SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

CRITERION - 1

CURRICULAR ASPECTS

1.3 Curriculum Enrichment

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S**, Head of the Department and my guide **Prof. Anuradha S** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

ABHISHEK M

DECLARATION OF GUIDE

The Project work entitled **COLLEGE MANAGEMENT SYSTEM** is based on work carried out by **ABHISHEK M** during the course of study under the supervision of **Prof. Anuradha S** . I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

Prof. Anuradha S

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **ABHISHEK M** bearing Reg. No **U03KU21S0003** has satisfactorily completed the project entitled **COLLEGE MANAGEMENT SYSTEM** under the guidance and supervision of **ANURADHA S** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Prof. Anuradha S

Head of the Department
DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Nagasandra Post, Bangalore - 560 073.

Examiners

1.....

EXAMINERS
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Date 6/7/24
No.....

Bangalore University

Project Report On

COLLEGE MANGEMENT SYSTEM

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

ABHISHEK M
U03KU21S0003

Under the guidance of

Prof. Anuradha S

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Bangalore University

Project Report On

WEB DEVELOPEMENT

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-23

Submitted by

Abhishek K

U03KU21S0043

Under the guidance of

Swamy M R

Asst. Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Abhishek K** bearing Reg. No **U03KU21S0043** has satisfactorily completed the project entitled **Web development (Sneakers shopping website)** under the guidance and supervision of **Swamy M R** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

6/7/24

Project Guide
Asst professor: Swamy M R

6/7

Head of the Department
DEPT OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Examiners

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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
Date 6/7/24
No.....
Soundarya Nagar, Sidedahalli, Bangalore

DECLARATION OF GUIDE

The Project work entitled **Web development (Sneakers shopping website)** is based on work carried out by **ABHISHEK K** during the course of study under the supervision of **Asst. Professor Swamy M R.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

6/7/24

ASST. PROF. Swamy M R

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay kumar A S**, Head of the Department and my guide **Asst. Professor Swamy M R** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU
ABHISHEK K

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Bangalore University

Project Report On

WEB DEVELOPEMENT

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-23

Submitted by

Abhishek K

U03KU21S0043

Under the guidance of

Swamy M R

Asst. Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Abhishek K** bearing Reg. No **U03KU21S0043** has satisfactorily completed the project entitled **Web development (Sneakers shopping website)** under the guidance and supervision of **Swamy M R** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

6/7/24

Project Guide
Asst professor: Swamy M R

6/7

Head of the Department
DEPT OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Examiners

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EXAMINERS
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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
Date 6/7/24
No.....
Soundarya Nagar, Sidedahalli, Bangalore

DECLARATION OF GUIDE

The Project work entitled **Web development (Sneakers shopping website)** is based on work carried out by **ABHISHEK K** during the course of study under the supervision of **Asst. Professor Swamy M R.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

6/7/24

ASST. PROF. Swamy M R

ACKNOWLEDGEMENT

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I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay kumar A S**, Head of the Department and my guide **Asst. Professor Swamy M R** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU
ABHISHEK K

Chapter.	Details
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Bangalore University

Project Report On

Face Recognition Based Attendance System using Computer Vision

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

BALAJI A
U03KU21S0065

Under the guidance of

Asst. Professor Yatish S J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **BALAJI A** bearing Reg. No **U03KU21S0065** has satisfactorily completed the project entitled **FACE RECOGNITION BASED ATTENDANCE SYSTEM USING COMPUTER VISION** under the guidance and supervision of **SUPRIYA D** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Asst. Professor Supriya D

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Examiners

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No.....

DECLARATION OF GUIDE

The Project work entitled **Face Recognition Based Attendance System using Computer Vision** is based on work carried out by **BALAJI A** during the course of study under the supervision of **Asst. Professor Supriya D** . I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

ASST. PROFESSOR SUPRIYA D

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S**, Head of the Department and my guide **Asst. Professor Supriya D** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

BALAJI A

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Bangalore University

Project Report On

Face Recognition Based Attendance System using Computer Vision

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

CHANDAN M

U03KU21S0023

Under the guidance of

Asst. Professor Yatish S J

SOUNDARYA INSTITUTE OF MANAGEMENT& SCIENCE

Bangalore University

Project Report On

Face Recognition Based Attendance System using Computer Vision

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

CHANDAN M
U03KU21S0023

Under the guidance of

Asst. Professor Yatish S J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **CHANDAN M** bearing Reg. No **U03KU21S0023** has satisfactorily completed the project entitled **FACE RECOGNITION BASED ATTENDANCE SYSTEM USING COMPUTER VISION** under the guidance and supervision of **YATISH S J** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

6/7/24

Project Guide

Asst. Professor Yatish S J

Head of the Department

Head of the Department
DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Examiners

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EXAMINERS
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DECLARATION OF GUIDE

The Project work entitled **Face Recognition Based Attendance System using Computer Vision** is based on work carried out by **CHANDAN M** during the course of study under the supervision of **Asst. Professor Yatish S J.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

6/7/24

ASST. PROFESSOR YATISH S J

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S**, Head of the Department and my guide **Asst. Professor Yatish S J** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

CHANDAN M

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6	6.1 Conclusion 6.2 Future Enhancement 6.3 References

Bangalore University

Project Report On

CLASSHUB – EDUCATIONAL AND NOTES SHARING APPLICATION

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Chenna keshava

U03KU21S0027

Under the guidance of

Asst. Professor Yatish S J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Bangalore University

Project Report On

CLASSHUB – EDUCATIONAL AND NOTES SHARING APPLICATION

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Chenna keshava

U03KU21S0027

Under the guidance of

Asst. Professor Yatish S J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that Chenna Keshava Reg. No **U03KU21S0027** , has satisfactorily completed the project entitled CLASSHUB – EDUCATIONAL AND NOTES SHARING APPLICATION under the guidance and supervision of YATISH Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Head of the Department
DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.
Head of the Department

Date..... 6/7/24
No.....

Examiners

1.....

EXAMINERS
1.....2.....
2.....

DECLARATION OF GUIDE

The Project work entitled **CLASSHUB – EDUCATIONAL AND NOTES SHARING APPLICATION** is based on work carried out by **CHENNA KESHAVA** during the course of study under the supervision of **Asst. Professor Yatish SJ.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

for

ASST. PROF. Yatish SJ

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. VIJAY KUMAR**, Head of the Department and my guide **Asst. Professor Yatish SJ** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
CHENNA
KESHAVA

Bangalore University

Project Report On

FLIGHT DELAY USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-23

Submitted by

CHETHAN M S
U03KU21S0021

Under the guidance of

Asst. Professor Yatish S J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that chethan.m.s bearing Reg. No **u03ku21s0021** has satisfactorily completed the project entitled FLIGHT DELAY USING MACHINE LEARNING under the guidance and supervision of Asst. Professor Yatish S J , Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide 6/7/24

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Siddahalli,
Nagasandra Post, Bangalore - 560 073.

Head of the Department

Examiners

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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
Date.....
No.....

Bangalore University
Project Report On

SWIFT RIDES USING DJANGO FRAMEWORK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Chethan KR – U03KU21S0066

Under the guidance of

Asst. Professor Supriya D

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Bangalore University

Project Report On

SWIFT RIDES USING DJANGO FRAMEWORK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by
Chethan KR – U03KU21S0066

Under the guidance of
Asst. Professor Supriya D

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Chethan KR** bearing Reg. No **U03KU21S0066** has satisfactorily completed the project entitled **SWIFT RIDES USING DJANGO FRAMEWORK** under the guidance and supervision of **Supriya D** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Asst. Prof. Supriya D

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Examiners

Date 06-07-2024
No

EXAMINERS
1.
2.
2.

DECLARATION OF GUIDE

e Project work entitled **SWIFT RIDES USING DJANGO FRAMEWORK** is based work carried out by **Chethan KR** during the course of study under the supervision of st. **Professor Supriya D.** I assert the statements made and conclusions drawn are the come of Project work and hereby approve for thesubmission for the partial fulfillment the award of Bachelor of Computer Applications under Bangalore University for the r 2023-24.

Asst. Prof. SUPRIYA D

ACKNOWLEDGEMENT

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I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar AS**, Head of the Department and my guide **Asst. Supriya D** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying us throughout the completion of the project.

THANK YOU.

Chethan KR

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Bangalore University
Project Report On

VOTING WEB APPLICATION USING DJANGO AND CLOUD

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

CHIDANAND RAO E

U03KU21S0052

Under the guidance of

Asst. Professor Manoj kumar N

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Bangalore University

Project Report On

VOTING WEB APPLICATION USING DJANGO AND CLOUD

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

CHIDANAND RAO E

U03KU21S0052

Under the guidance of

Asst. Professor Manoj kumar N

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **CHIDANAND RAO E** bearing Reg. No **U03KU21S0052** has satisfactorily completed the project entitled **VOTING APPLICATION USING DJANGO AND CLOUD** under the guidance and supervision of **Prof. Manoj kumar N** , Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Prof. Manoj kumar N

Head of the Department

DEPT. OF COMPUTER SCIENCE

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli

Nagasandra Post, Bangalore-560073.

Head of the Department

EXAMINERS

1..... Examiners

2.....

1.....

2.....

S. JUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Date.....

No.....

DECLARATION OF GUIDE

The Project work entitled **VOTING WEB APPLICATION USING DJANGO AND CLOUD** is based on work carried out by **CHIDANAND RAO E** during the course of study under the supervision of **Prof. Manoj kumar N.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

Asst. Prof. Manoj Kumar N

Bangalore University

Project Report On

EMPLOYEE LEAVE MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Daksh Dogra

U03KU21S0082

Under the guidance of

Professor. Santhosh RS

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Bangalore University

Project Report On

EMPLOYEE LEAVE MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Daksh Dogra

U03KU21S0082

Under the guidance of

Professor. Santhosh RS

SOUNDARYA
INSTITUTE OF
MANAGEMENT &
SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Daksh Dogra** bearing Reg. No **U03KU21S0082** has satisfactorily completed the project entitled **Employee Leave Management System** under the guidance and supervision of **Prof. SANTHOSH RS** , Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Head of the Department

EXAMINERS
Examiners
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Date 6/7/24
No

DECLARATION OF GUIDE

The Project work entitled **EMPLOYEE LEAVE MANAGEMENT SYSTEM** is based on work carried out by **DAKSH DOGRA** during the course of study under the supervision of **Prof. SANTHOSH R S** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

PROF. SANTHOSH R S

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to Head of department **Prof.Vijay Kumar**, my guide **Prof. Santhosh RS** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU

DAKSH DOGRA

Chapter.	Details
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6	6.1 Conclusion 6.2 Future Enhancement 6.3 References

BANGALORE UNIVERSITY

A PROJECT REPORT

ON

"AGRICULTURE SURVEY"

Submitted in practical fulfillment for the award of the degree of

BACHELOR OF COMPUTER APPLICATION

Submitted by

DANISH CHANGAPPA A

U03KU21S0096

UNDER THE GUIDANCE OF

Prof. SANTHOSH R S

DEPARTMENT OF COMPUTER APPLICATIONS

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

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SOUNDARYA
INSTITUTE OF
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SCIENCE

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DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that **DANISH CHANGAPPA A** bearing Register No. **U03KU21S0096** has successfully completed the project entitled **"AGRICULTURE SURVEY"** under the guidance and supervision of **Prof. SANTHOSH R S** Department Of Computer Science at Soundarya Institute Of Management And Science in the fulfillment of requirements of VI semester, Bachelor of Computer Application of Bangalore University, Bangalore during the academic year 2023-34.

5/3/24

Signature of the Guide

1). .....

Head of the Department
DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management & Science
Soundarya Nagar Si...
Nagasandra Post, B...

Head of the Department

Signature of the Examiners: -

1). .....

2). .....

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
Date.....
No.....
Soundarya Nagar, Sidedahalli, Bangalore-73

DECLARATION OF GUIDE

The project entitled **AGRICULTURE SURVEY** is based on the work carried out by **DANISH CHANGAPPA A** during the course of study under the supervision of **Prof. SANTHOSH R S**. I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor Of Computer Applications under Bangalore University for the academic year 2023-24.

Prof. SANTHOSH R S

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B. A** Principal, Soundarya Institute Of Management And Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A. S,** Head of the Department and my guide and **Prof. Santhosh R S** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advice that helped me a lot for the successful completion of my project work.

Thankyou,

DANISH CHANGAPPA A

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1. INTRODUCTION

- 1.1 PROJECT OVERVIEW
- 1.2 MODULE DESCRIPTION

1. INTRODUCTION

This submission An online platform called Agriculture Survey was created for the survey's primary user, an areca trader. Purchasing areca from nearby farmers and selling areca nuts to customers make up their daily operations, which include both large- and small-scale businesses. They also provide farmers with basic farming supplies and equipment. By eliminating the expense of maintaining daily records, customer, buyer, crop, and product details, the programme streamlines these processes. Three distinct logins are available for the application: one for traders, one for dealers, and one for farmers who also purchase farming equipment. The application generates the purchase receipt and sales bill and keeps the selling price readily available to the purchasers. The programme serves as both an online storefront for farmers to order goods and a platform for online commerce.

1.1 PROJECT OVERVIEW

Proposed system has three mains functional

- **Administrator/Traders:** The admin is in charge of the system's general functionality. All the data that falls under his purview is accessible to him. The administrator is in charge of managing the data regarding the cost of arecanut, tools, and equipment. The administrator oversees the activities of the farmers and dealers.
- **Dealers:** Dealer acts as an intermediary between Admin. Dealers have login Credentials. Dealers can check the Purchase report from the Admin.
- **Farmer/Customer:**Farmers are the end users of the system. They can access the system to buy as well as check for the daily update in the price of the Crops.

1.2 MODULE DESCRIPTION:

- **Admin/Traders:**Admin is the authorized person who controls the overall website. Admin can perform the following activities:
- **Login:** Admin will enter the website using username and password.
- **Add Crops:** The Admin adds the different types of crops.
- **Update Crops rate:** The Admin can update the daily Crops rates.
- **Add purchased Crops:** Admin Can adds the Crops purchased by the farmers.
- **Purchase report:** The Admin will have the reports of the purchased Crops.
- **Add product:** The Admin will add the products to the websites.
- **Ordered product:** Admin can view users ordered products.
- **Add Dealers Details:** Admin can add dealers details.

- **Sales Report:** Admin can view the Crops sale report and product sales report.
- **Sales Invoice:** Admin can view the created sales invoice from Dealers.
- **Manage Credit:** The Admin can maintain and manage the credits.
- **User details:** The vendor can view the details of the users.
- **Create Invoice:** Admin can create and view an invoice of the products and Crops.
- **User feedback:** The Admin can view the feedback given by the user.
- **Logout:** Admin can log out of the websites.
- **Dealers**: Dealers are users in a particular branch. They have a separate account. They can perform following activities:
- **Login:** The vendor can login using his/her username and password.
- Purchased Report: The Dealers will have the reports of the purchased Crops.
- View Traders Details: Dealers can view respected traders details.
- Check Credit Note: Dealers can check credit notes from the admin.
- **Profile:** Dealers can view their profile.
- **Logout:** Dealers can logout of the websites.
- **Users/Farmers:** Users are the farmers. They also have a separate account. They can perform the following activities:
- **Registration:** Users need to register themselves to the application with required details before login to the Website.
- **Products:** The user can view the available products.
- **My Ordered products:** Users can send requests and order available products.
- **View Crops Details:** The user can view the updated Crops Details and rates.
- **Crops Sales Report:** The user can sell crops from or to the Traders/Admin.
- **Feedback:** The user can send the feedback to the Admin.
- **Logout**: Users can log out of the websites.

2. SYSTEM SPECIFICATION

- 2.1 HARDWARE SPECIFICATIONS
- 2.2 SOFTWARE SPECIFICATIONS

21. Hardware Requirements:

- **Processor:** 11th Gen Intel(R) Core(TM) i5-1135G7 @ 2.40GHz, 2419 MHz, 4 Core(s), 8 Logical Processor(s)
- **Processor Speed:** Minimum 3.70GHz
- **RAM:** 8GB
- **Hard Disk:** 256 GB or above

2.2 Software Requirements:

- **Operating System:** Windows11
- **Text Editor:** Notepad++, sublime text or vs code
- **Server:** Xampp server
- **Browser:** Chrome, Mozilla Firefox or any other

2.2.1 Language Tools:

- **User Interface Design:** Html5, CSS, JS. Bootstrap
- **Server-side Scripting:** PHP
- **Backend:** MySQL

3. SYSTEM DESIGN

- 3.1 DATA FLOW DIAGRAM
- 3.2 DFD FOR ADMIN
- 3.3 DFD FOR DEALER
- 3.4 DFD FOR USER
- 3.5 ER DIAGRAM

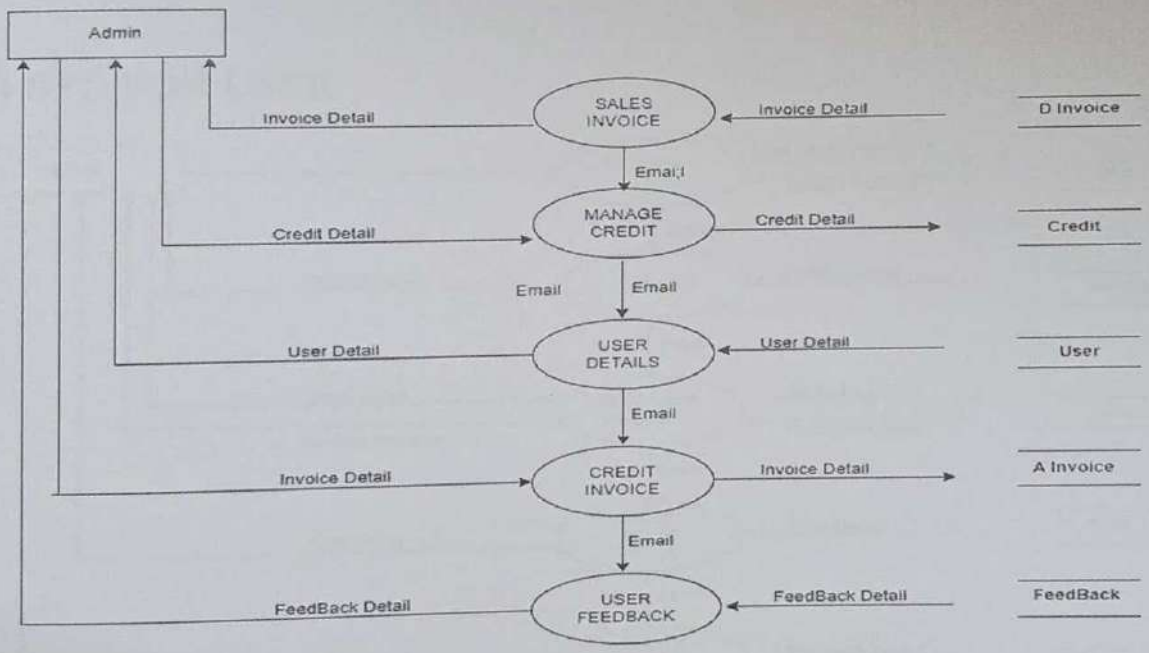
3.1 DATA FLOW DIAGRAM

Data Flow Diagram is a graphical representation of a system or a portion of the system. It consists of dataflows, process, sources and sink and stores all the description through the use of easily understandable symbols.

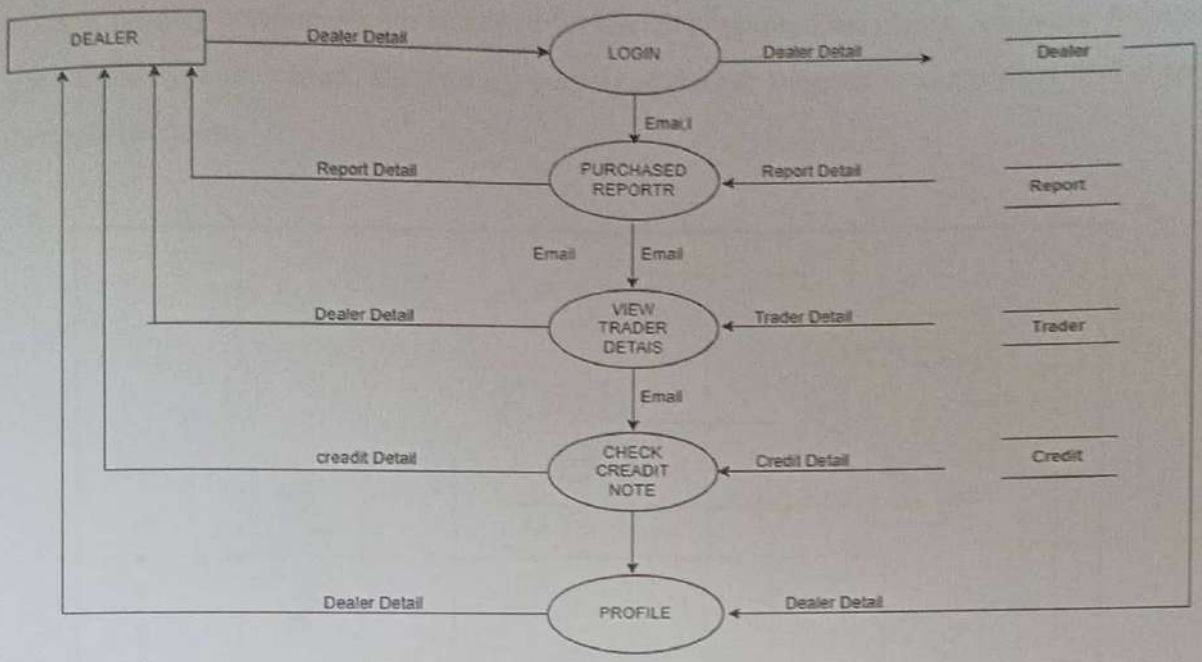
DFD is one of the most important modeling tools. It is used to model the system, components that interact with the system, and uses the data and information flows in the system. DFD shows the information moves through the and how it is modified by a series of transformations. It is a graphical technique that depicts information moves from input or output.

DFD is also known as bubble charts or Data Flow Graphs. DFD may be used to represent the system at any level of abstraction. DFD's may partition into a level that represents increasing information flows and functional details

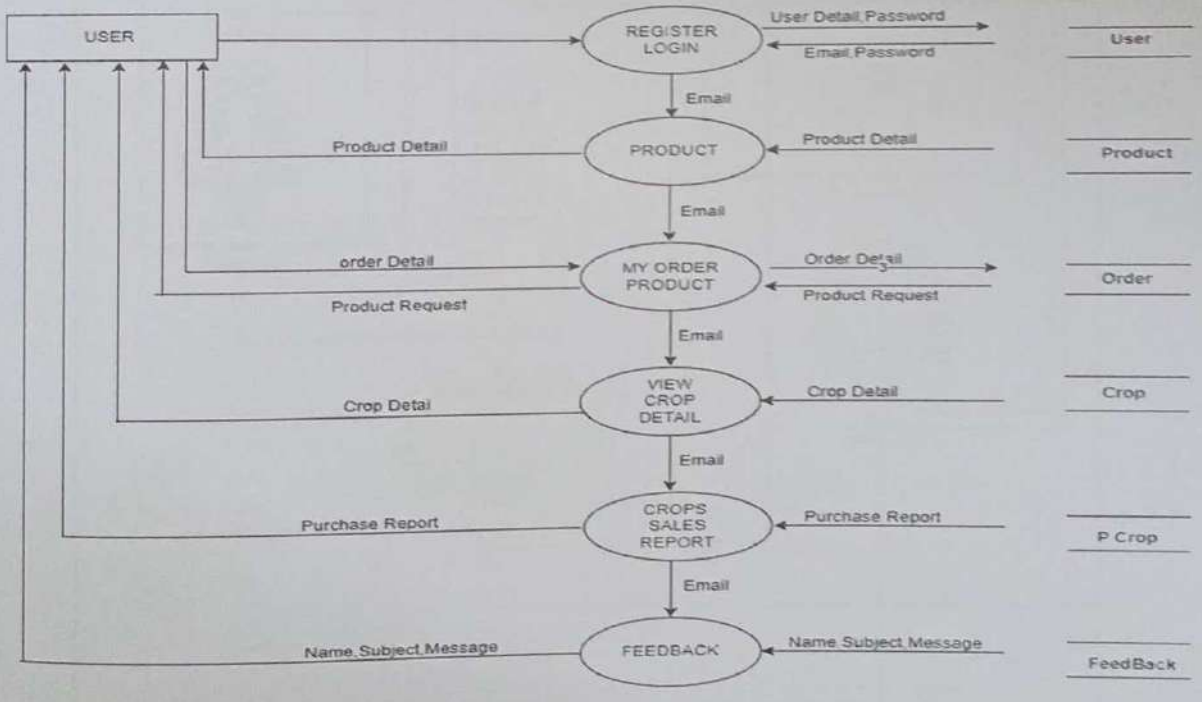
3.2 DFD FOR ADMIN



3.3 DFD FOR DEALER

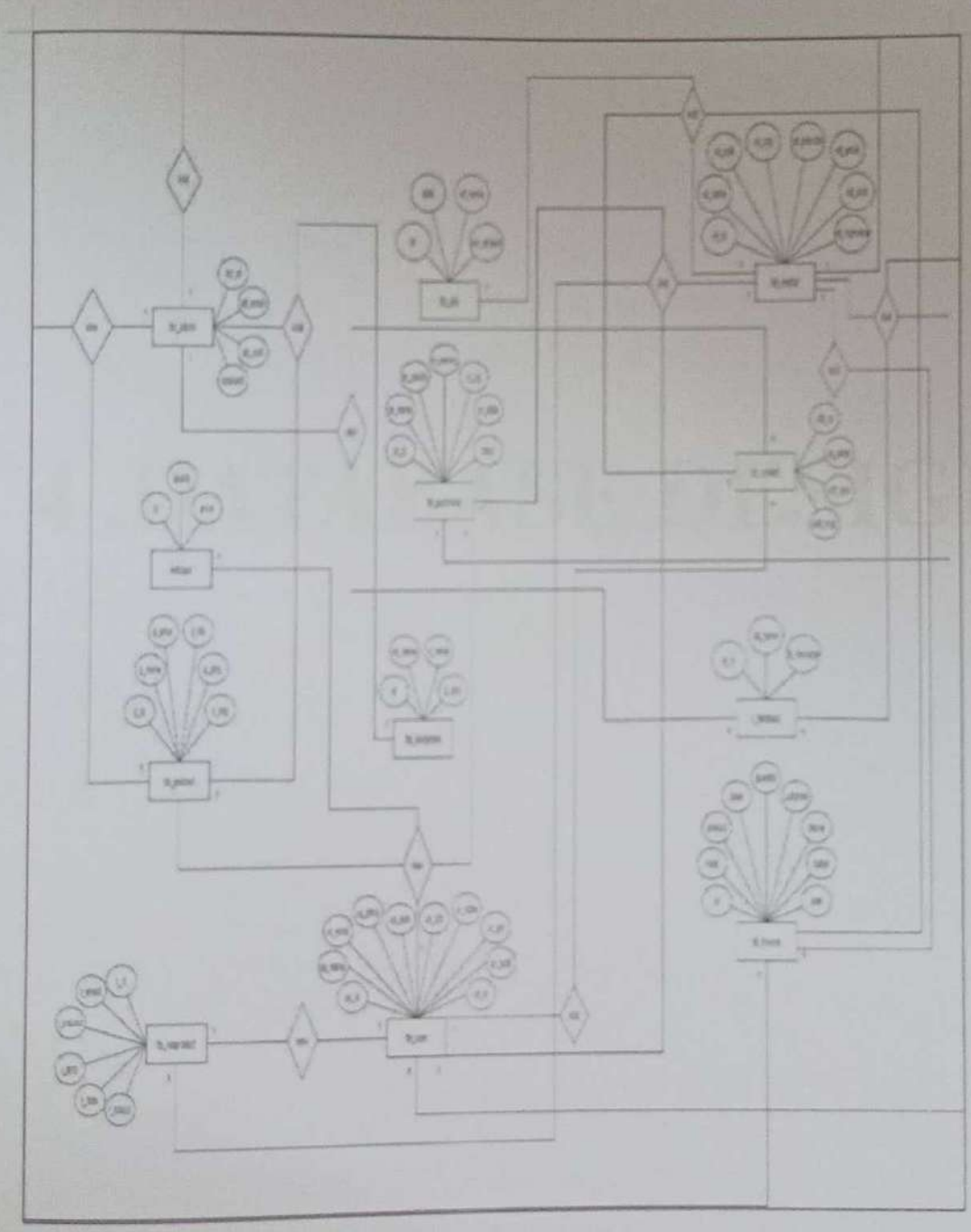


3.4 DFD FOR USER



3.5 ER DIAGRAM

A set of primary components are identified for the ER Diagram: Data object, Attributes, Relationships and various type indicators. The primary purpose of the ER Diagram is to represent data objects and their relationships.



4 .DATABASE DESIGN

4.1 INTRODUCTION:

Database: A database is a structured collection of related data, regardless of size or complexity. Its primary function is to facilitate the storage and retrieval of data efficiently. The main goal of a database is to furnish users with the information they require, tailored to the specific needs of the system or application utilizing it.

Database Design: Database design precedes the actual construction of a database and aims to fulfill the requirements of end-users within the targeted information system. It involves defining the necessary data and data structures that will constitute the database. MySQL is commonly employed as the physical implementation platform for databases designed in this manner.

4.2 PURPOSE AND SCOPE:

Purpose: The aim is to collect extensive data to inform agricultural policy-making, development initiatives, and research endeavors.

Scope: Evaluate diverse elements such as crop production, livestock farming, land use, input usage, technological adoption, market access, challenges, socioeconomic factors, environmental impact, and propose policy recommendations.

4.3 DATABASE STRUCTURE:

4.3.1 Structure of Table:AddCrop

Fieldname	Datatype	Size	Constraints	Description
Cid	Int	20	Primary key	cid
Crop Name	Varchar	50	Not Null	Crop Name
Croprate	Varchar	50	Not Null	Croprate

4.3.2 Structure of Table: AddDealer

Fieldname	Datatype	Size	Constraints	Description
Did	Int	10	Primary key	Did
Dealer_name	varchar	40	Not Null	dealer_name
Shop_name	varchar	40	Not Null	shop_name
Shop_address	varchar	40	Not Null	shop_address
Cty	varchar	40	Not Null	City
Pincode	int	10	Not Null	Pincode
Email	varchar	40	Not Null	Email

Phone_no	varchar	40	Not Null	phone_no
Dealer_psd	varchar	40	Not Null	dealer_psd

4.3.3 Structure of Table:Adminlogin

Fieldname	Datatype	Size	Constraints	Description
Id	int	10	Primary key	Id
Email	varchar	50	Not Null	Email
Password	varchar	50	Not Null	Password
Total Amt	varchar	30	Not Null	Total Amt

4.3.4 Structure of Table:Invoice

Fieldname	Datatype	Size	Constraints	Description
Id	Int	11	Primary key	Id
invno	varchar	11	Not Null	Invno
product	varchar	50	Not Null	Product
price	varchar	40	Not Null	Price
quantity	varchar	25	Not Null	Quantity
customer	varchar	40	Not Null	customer
phone	Varchar	50	Not Null	phone
status	Varchar	10	Not Null	status
date	Date	6	Not Null	date

4.3.5 Structure of Table:MCredit

Fieldname	Datatype	Size	Constraints	Description
id	Int	10	Primary key	id
dealers_name	Varchar	50	Not Null	dealers_name
date	Date	6	Not Null	date
credit_amount	Varchar	50	Not Null	credit_amount

4.3.6 Structure of Table:Product

Fieldname	Datatype	Size	Constraints	Description
pr_id	Int	10	Primary key	pr_id
product_name	Varchar	40	Not Null	product_name
product_price	Varchar	40	Not Null	product_price
description	Varchar	400	Not Null	description
product_qty	Varchar	40	Not Null	product_qty
product_image	Varchar	100	Not Null	product_image

4.3.7 Structure of Table: PurchasedCrop

Fieldname	Datatype	Size	Constraints	Description
pu_id	Int	10	Primary key	pu_id
crop_name	Varchar	40	Not Null	crop_name
crop_rate	Varchar	40	Not Null	crop_rate

customer_name	Varchar	40	Not Null	customer_name
customer_phone	Varchar	40	Not Null	customer_phone
total_crop	Varchar	40	Not Null	total_crop

4.3.8 Structure of Table:Register

Fieldname	Datatype	Size	Constraints	Description
Id	Int	10	Primary key	id
username	Varchar	30	Not Null	username
email	Varchar	30	Not Null	email
password	Varchar	30	Not Null	password
phone no	Varchar	30	Not Null	phone no
address	Varchar	30	Not Null	address

4.3.9 Structure of Table: RequestProduct

Fieldname	Datatype	Size	Constraints	Description
Rid	Int	10	Primary key	rid
r_email	Varchar	50	Not Null	r_email
r_productid	Varchar	50	Not Null	r_productid
r_qnty	Varchar	50	Not Null	r_qnty
r_date	Varchar	50	Not Null	r_date
r_status	Varchar	50	Not Null	r_status

4.3.10 Structure of Table: SoldCrop

Fieldname	Datatype	Size	Constraints	Description
id	Int	10	Primary key	id
date	Varchar	25	Not Null	date
crop_detail	Varchar	25	Not Null	crop_detail
dealers_name	Varchar	25	Not Null	dealers_name
sold_crop	Varchar	25	Not Null	sold_crop

4.3.11 Structure of Table: UserFeedback

Fieldname	Datatype	Size	Constraints	Description
Id	Int	10	Primary key	id
name	Varchar	40	Not Null	name
email	Varchar	40	Not Null	email
subject	Varchar	50	Not Null	subject
message	Varchar	50	Not Null	message

5. CODING

Login page:

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="utf-8">
    <title>Food Mate-Admin</title>
    <meta content="width=device-width, initial-scale=1.0" name="viewport">
    <meta content="" name="keywords">
    <meta content="" name="description">

    <!-- Favicon -->
    <link href="img/favicon.ico" rel="icon">
    <link                                                    rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FI
L L,GRAD@48,400,0,0" />
    <link                                                    rel="stylesheet"
href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,
FIL L,GRAD@20..48,100..700,0..1,-50..200" />
    <!-- Google Web Fonts -->
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
href="https://fonts.googleapis.com/css2?family=Heebo:wght@400;500;600;700&display
=sw ap" rel="stylesheet">

    <!-- Icon Font Stylesheet -->
    <link          href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.10.0/css/all.min.css"
rel="stylesheet">
    <link          href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.4.1/font/bootstrap-icons.css"
rel="stylesheet">

    <!-- Libraries Stylesheet -->
    <link href="lib/owlcarousel/assets/owl.carousel.min.css" rel="stylesheet">
    <link href="lib/tempusdominus/css/tempusdominus-bootstrap-4.min.css" rel="stylesheet"
/>


    <!-- Customized Bootstrap Stylesheet -->
    <link href="css/bootstrap.min.css" rel="stylesheet">

    <!-- Template Stylesheet -->
    <link href="css/style.css" rel="stylesheet">
</head>
```

```
<body>

    <div style="background-image:url('controller/upload/kitchen image.jpg')">
      <!-- Spinner Start -->
      <div id="spinner" class="show bg-white position-fixed translate-middle w-100 vh-100 top-50 start-50 d-flex align-items-center justify-content-center">
        <div class="spinner-border text-primary" style="width: 3rem; height: 3rem;" role="status">
          <span class="sr-only">Loading...</span>
        </div>
      </div>
      <!-- Spinner End -->


      <!-- Sign In Start -->
      <div class="container-fluid">
        <div class="row h-100 align-items-center justify-content-center" style="min-height: 100vh;">
<div class="col-12 col-sm-8 col-md-6 col-lg-5 col-xl-4">
<div class="bg-light rounded p-4 p-sm-5 my-4 mx-3">
<div class="text-center mb-3">
<a href="index.html" class="">
<h3 class="text-primary ">
                        <span class="material-symbols-outlined me-2">kitchen_menu</span>Food Mate
                      </h3>
</a>
</div>
                <div>
                  <h3 class="text-center">Sign In</h3>
                </div>
                <form action="controller/signin.php" method="POST">
                <div class="form-floating mb-3">
                  <input type="text" class="form-control" id="floatingInput" placeholder="Name" name="name" required/>
                  <label for="floatingInput">Name</label>
              </div>
                <div class="form-floating mb-4">
                  <input type="password" class="form-control" id="floatingPassword" placeholder="Password" name="password" required/>
                  <label for="floatingPassword">Password</label>
                </div>
                <div class="d-flex align-items-center justify-content-between mb-4">

                  <a href="">Forgot Password</a>
                </div>
                <button type="submit" class="btn btn-primary py-3 w-100 mb-4" name="signin">Sign In</button>
                <p class="text-center mb-0">Don't have an Account? <a href="signup.php">Sign Up</a></p>
```

ManageCredit

```
<?php
session_start();
if(isset($_SESSION['cropadmin']))
{
$admin=$_SESSION['cropadmin'];
?>
<!DOCTYPE html>
<html lang="en">
<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Crop-Admin</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/mdi/css/materialdesignicons.min.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/typicons/typicons.css">
<link rel="stylesheet" href="vendors/simple-line-icons/css/simple-line-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />
</head>
<body>
<div class="container-scroller">
```

```
<!-- partial:partials/_navbar.html -->
<nav class="navbar default-layout col-lg-12 col-12 p-0 fixed-top d-flex align-items-top flex-row" style="background-color:#F1F1F1;">
<div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-start" style="background-color:#F1F1F1;">
<div class="me-3">
<button class="navbar-toggle navbar-toggler align-self-center" type="button" data-bs-toggle="minimize">
<span class="icon-menu"></span>
</button>
</div>
<div>
<a class="navbar-brand brand-logo" href="index.html">
<img src="images/logo.png" style="height:125px;width:auto" alt="logo" />
</a>
<a class="navbar-brand brand-logo-mini" href="index.html">
<img src="images/logo.png" alt="logo" />
</a>
</div>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
<!-- partial:partials/_settings-panel.html -->
<div class="theme-setting-wrapper">
<div id="settings-trigger"><i class="ti-settings"></i></div>
<div id="theme-settings" class="settings-panel">
<i class="settings-close to-close"></i>
<p class="settings-heading">SIDEBAR SKINS</p>
<div class="sidebar-bg-options selected" id="sidebar-light-theme"><div class="img-ss rounded-circle bg-light border me-3"></div>Light</div>
<div class="sidebar-bg-options" id="sidebar-dark-theme"><div class="img-ss rounded-circle bg-dark border me-3"></div>Dark</div>
<p class="settings-heading mt-2">HEADER SKINS</p>
<div class="color-tiles mx-0 px-4">
```

```
<div class="tiles success"></div>
<div class="tiles warning"></div>
<div class="tiles danger"></div>
<div class="tiles info"></div>
<div class="tiles dark"></div>
<div class="tiles default"></div>
</div>
</div>
</div>
<div id="right-sidebar" class="settings-panel">
<i class="settings-close to-close"></i>
<ul class="nav nav-tabs border-top" id="setting-panel" role="tablist">
<li class="nav-item">
<a class="nav-link active" id="todo-tab" data-bs-toggle="tab" href="#todo-section" role="tab" aria-controls="todo-section" aria-expanded="true">TO DO LIST</a>
</li>
<li class="nav-item">
<a class="nav-link" id="chats-tab" data-bs-toggle="tab" href="#chats-section" role="tab" aria-controls="chats-section">CHATS</a>
</li>
</ul>
```

```
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/mdi/css/materialdesignicons.min.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/typicons/typicons.css">
<link rel="stylesheet" href="vendors/simple-line-icons/css/simple-line-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />


</head>
<body>
<div class="container-scroller">
<!-- partial:partials/_navbar.html -->
<nav class="navbar default-layout col-lg-12 col-12 p-0 fixed-top d-flex align-items-top flex-row" style="background-color:#F1F1F1;">
<div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-start" style="background-color:#F1F1F1;">
<div class="me-3">
<button class="navbar-toggle navbar-toggler align-self-center" type="button" data-bs-toggle="minimize">
<span class="icon-menu"></span>
</button>
</div>
<div>
<a class="navbar-brand brand-logo" href="index.html">
<img src="images/logo.png" style="height:125px;width:auto" alt="logo" />
</a>
```

```
<a class="navbar-brand brand-logo-mini" href="index.html">
<img src="images/logo.png" alt="logo" />
</a>
</div>
</div>

<nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
<!-- partial:partials/_settings-panel.html -->
<div class="theme-setting-wrapper">
<div id="settings-trigger"><i class="ti-settings"></i></div>
<div id="theme-settings" class="settings-panel">
<i class="settings-close ti-close"></i>
<p class="settings-heading">SIDEBAR SKINS</p>
<div class="sidebar-bg-options selected" id="sidebar-light-theme"><div class="img-ss rounded-circle bg-light border me-3"></div>Light</div>
<div class="sidebar-bg-options" id="sidebar-dark-theme"><div class="img-ss rounded-circle bg-dark border me-3"></div>Dark</div>
<p class="settings-heading mt-2">HEADER SKINS</p>
<div class="color-tiles mx-0 px-4">
<div class="tiles success"></div>
<div class="tiles warning"></div>
<div class="tiles danger"></div>
<div class="tiles info"></div>
<div class="tiles dark"></div>
<div class="tiles default"></div>
</div>
</div>
</div>
<div id="right-sidebar" class="settings-panel">
<i class="settings-close ti-close"></i>
<ul class="nav nav-tabs border-top" id="setting-panel" role="tablist">
<li class="nav-item">
```

```
<a class="nav-link active" id="todo-tab" data-bs-toggle="tab" href="#todo-section" role="tab" aria-controls="todo-section" aria-expanded="true">TO DO LIST</a>
</li>
<li class="nav-item">
<a class="nav-link" id="chats-tab" data-bs-toggle="tab" href="#chats-section" role="tab" aria-controls="chats-section">CHATS</a>
</li>
</ul>
<div class="tab-content" id="setting-content">
<div class="tab-pane fade show active scroll-wrapper" id="todo-section" role="tabpanel" aria-labelledby="todo-section">
<div class="add-items d-flex px-3 mb-0">
<form class="form w-100">
<div class="form-group d-flex">
<input type="text" class="form-control todo-list-input" placeholder="Add To-do">
<button type="submit" class="add btn btn-primary todo-list-add-btn" id="add-task">Add</button>
</div>
</form>
</div>
<div class="list-wrapper px-3">
<ul class="d-flex flex-column-reverse todo-list">
<li>
<div class="form-check">
<label class="form-check-label">
<input class="checkbox" type="checkbox">
Team review meeting at 3.00 PM
</label>
</div>
<i class="remove ti-close"></i>
</li>
<li>
<div class="form-check">
<label class="form-check-label">
<input class="checkbox" type="checkbox">
```

```
Prepare for presentation
</label>
</div>
<i class="remove ti-close"></i>
</li>
<li>
<div class="form-check">
<label class="form-check-label">
<input class="checkbox" type="checkbox">
Resolve all the low priority tickets due today
</label>
</div>
<i class="remove ti-close"></i>
</li>
<li class="completed">
<div class="form-check">
<label class="form-check-label">
<input class="checkbox" type="checkbox" checked>
Schedule meeting for next week
</label>
</div>
<i class="remove ti-close"></i>
</li>
<li class="completed">
<div class="form-check">
<label class="form-check-label">
<input class="checkbox" type="checkbox" checked>
Project review
</label>
</div>
<i class="remove ti-close"></i>
</li>
</ul>
```

```
</div>
<h4 class="px-3 text-muted mt-5 fw-light mb-0">Events</h4>
<div class="events pt-4 px-3">
<div class="wrapper d-flex mb-2">
<i class="ti-control-record text-primary me-2"></i>
<span>Feb 11 2018</span>
</div>
<p class="mb-0 font-weight-thin text-gray">Creating component page build a js</p>
<p class="text-gray mb-0">The total number of sessions</p>
</div>
<tr>

<td><?php echo $sl; ?></td>
<td><?php echo $invno; ?></td>
<td><?php echo $date; ?></td>
<td><?php echo $customer; ?></td>
<td><?php echo $price; ?></td>
<td><a href="invoice.php?invno=<?php echo $invno; ?>"><button>Invoice</button></a></td>
</tr>
<?php
}
}
?>
</tbody>
</table>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- content-wrapper ends -->
<!-- partial:../../partials/_footer.html -->
```

```
<footer class="footer">
<div class="d-sm-flex justify-content-center justify-content-sm-between">
<span class="text-muted text-center text-sm-left d-block d-sm-inline-block">Premium <a href="https://www.bootstrapdash.com/" target="_blank">Bootstrap admin template</a> from BootstrapDash.</span>
<span class="float-none float-sm-right d-block mt-1 mt-sm-0 text-center">Copyright © 2021. All rights reserved.</span>
</div>
</footer>
<!-- partial -->
</div>
<!-- main-panel ends -->
</div>
<!-- page-body-wrapper ends -->
</div>
<!-- container-scroller -->
<!-- plugins:js -->
<script src="../../vendors/js/vendor.bundle.base.js"></script>
<!-- endinject -->
<!-- Plugin js for this page -->
<script src="../../vendors/typeahead.js/typeahead.bundle.min.js"></script>
<script src="../../vendors/select2/select2.min.js"></script>
<script src="../../vendors/bootstrap-datepicker/bootstrap-datepicker.min.js"></script>
<!-- End plugin js for this page -->
<!-- inject:js -->
<script src="../../js/off-canvas.js"></script>
<script src="../../js/hoverable-collapse.js"></script>
<script src="../../js/template.js"></script>
<script src="../../js/settings.js"></script>
<script src="../../js/todolist.js"></script>
<!-- endinject -->
<!-- Custom js for this page-->
<script src="../../js/file-upload.js"></script>
<script src="../../js/typeahead.js"></script>
```

```
<script src="../../js/select2.js"></script>
<!-- End custom js for this page-->
</body>
</html>
<?php
}
else{
echo"<script> location.href='index.php';</script>";
}
?>
```

UserDetails.php

```
<?php
session_start();
if(isset($_SESSION['cropadmin']))
{
$admin=$_SESSION['cropadmin'];
?>
<!DOCTYPE html>
<html lang="en">

<head>
<!-- Required meta tags -->
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<title>Crop-Admin</title>
<!-- plugins:css -->
<link rel="stylesheet" href="vendors/feather/feather.css">
<link rel="stylesheet" href="vendors/mdi/css/materialdesignicons.min.css">
<link rel="stylesheet" href="vendors/ti-icons/css/themify-icons.css">
<link rel="stylesheet" href="vendors/typicons/typicons.css">
```

```
<link rel="stylesheet" href="vendors/simple-line-icons/css/simple-line-icons.css">
<link rel="stylesheet" href="vendors/css/vendor.bundle.base.css">
<!-- endinject -->
<!-- Plugin css for this page -->
<link rel="stylesheet" href="vendors/datatables.net-bs4/dataTables.bootstrap4.css">
<link rel="stylesheet" href="js/select.dataTables.min.css">
<!-- End plugin css for this page -->
<!-- inject:css -->
<link rel="stylesheet" href="css/vertical-layout-light/style.css">
<!-- endinject -->
<link rel="shortcut icon" href="images/favicon.png" />


</head>
<body>
<div class="container-scroller">
<!-- partial:partials/_navbar.html -->
<nav class="navbar default-layout col-lg-12 col-12 p-0 fixed-top d-flex align-items-top flex-row" style="background-color:#F1F1F1;">
<div class="text-center navbar-brand-wrapper d-flex align-items-center justify-content-start" style="background-color:#F1F1F1;">
<div class="me-3">
<button class="navbar-toggler navbar-toggler align-self-center" type="button" data-bs-toggle="minimize">
<span class="icon-menu"></span>
</button>
</div>
<div>
<a class="navbar-brand brand-logo" href="index.html">
<img src="images/logo.png" style="height:125px;width:auto" alt="logo" />
</a>
<a class="navbar-brand brand-logo-mini" href="index.html">
<img src="images/logo.png" alt="logo" />
```

```
</a>
</div>
</div>
</nav>
<!-- partial -->
<div class="container-fluid page-body-wrapper">
<!-- partial:partials/_settings-panel.html -->
<div class="theme-setting-wrapper">
<div id="settings-trigger"><i class="ti-settings"></i></div>
<div id="theme-settings" class="settings-panel">
<i class="settings-close ti-close"></i>
<p class="settings-heading">SIDEBAR SKINS</p>
<div class="sidebar-bg-options selected" id="sidebar-light-theme"><div class="img-ss rounded-circle bg-light border me-3"></div>Light</div>
<div class="sidebar-bg-options" id="sidebar-dark-theme"><div class="img-ss rounded-circle bg-dark border me-3"></div>Dark</div>
<p class="settings-heading mt-2">HEADER SKINS</p>
<div class="color-tiles mx-0 px-4">
<div class="tiles success"></div>
<div class="tiles warning"></div>
<div class="tiles danger"></div>
<div class="tiles info"></div>
<div class="tiles dark"></div>
<div class="tiles default"></div>
</div>
</div>
</div>
```

6. TESTING

6.1 INTRODUCTION:

Software testing is the process of analyzing a software item to discern the disparities between existing and desired conditions, as well as to evaluate its features. It serves as a means to assess the quality of computer software by operating a system or application under controlled conditions and assessing the outcomes. These controlled conditions encompass both normal and abnormal scenarios. Testing deliberately aims to provoke errors to ascertain if the system responds appropriately.

Two primary types of software testing exist:

Black box testing: This approach doesn't consider the internal system design. Tests are conducted based on requirements and functionality.

White box testing: This method relies on an understanding of the internal logic of an application's code. Tests are designed to cover code statements, branches, paths, and conditions. White box testing is applicable at the unit, integration, and system levels of the software testing process.

6.2 TESTING OBJECTIVES

Identifying defects introduced by programmers during software development.

Building confidence in and providing insights into the level of quality.

Proactively preventing defects from occurring.

Ensuring that the end result aligns with both business and user requirements.

Verifying compliance with the Business Requirement Specification (BRS) and System Requirement Specification (SRS).

6.3 TESTING STEPS

6.3.1 Unit Testing

Unit testing concentrates on the smallest unit of software design, commonly referred to as module testing. Each module is tested individually, ensuring that it functions correctly and produces the expected output. This testing is conducted during the programming stage itself, allowing developers to verify the satisfactory performance of each module.

6.3.2 Integration Testing

Data loss across interfaces and adverse effects between modules are potential issues in software development. Integration testing addresses these concerns by systematically constructing the program structure and conducting tests to identify interface-related errors. The goal is to integrate unit-tested modules to build the program structure. This process ensures that all modules are combined and tested as a cohesive whole, minimizing risks associated with integration complexities.

6.3.3 Validation

At the conclusion of integration testing, the software is fully assembled into a package. Any interfacing errors have been identified and rectified, and a final series of software tests commences in validation testing. Validation testing can be defined in various ways, but in essence, it succeeds when the software functions in a manner expected by the customer. Following the completion of validation testing, one of three possible conditions arises:

The function or performance characteristics conform to specifications and are accepted.

A deviation from specifications is discovered, leading to the creation of a deficiency list.

The proposed system under consideration has undergone validation testing and has been found to function satisfactorily.

6.3.4 Output Testing

Following validation testing, the subsequent step involves output testing of the proposed system. This is crucial as a system must produce the required output in a specific format to be useful. Upon examination, the output format on the screen is found to be correct, aligning with the design specifications established during system design according to user needs. Similarly, for hard copies, the output meets the specified requirements set by the user. Consequently, output testing does not necessitate any corrections for the system.

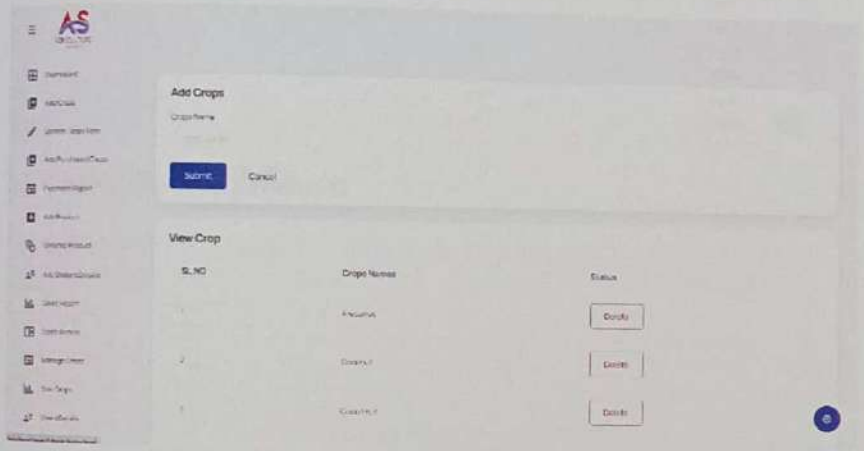
6.3.5 User acceptance testing

User acceptance is paramount for the success of any system. To ensure user acceptance, the system is rigorously tested by maintaining constant communication with prospective users during development, making necessary changes as needed.

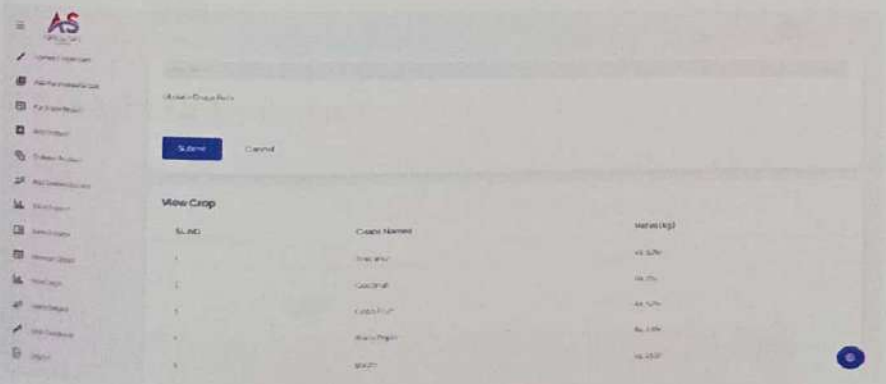
7. USER INTERFACE

7.1.1 ADMIN-LOGIN PAGE:

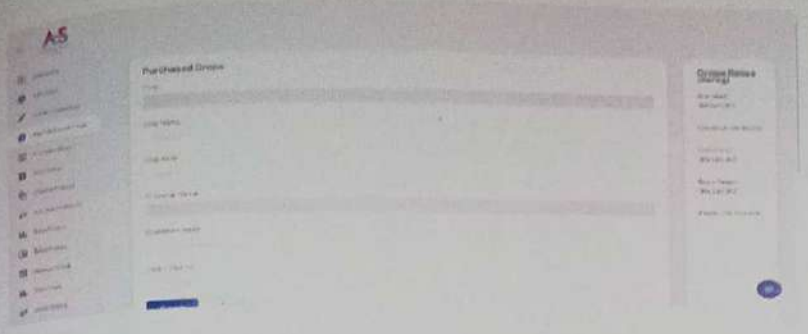
7.1.2 ADMIN-AddCrops:



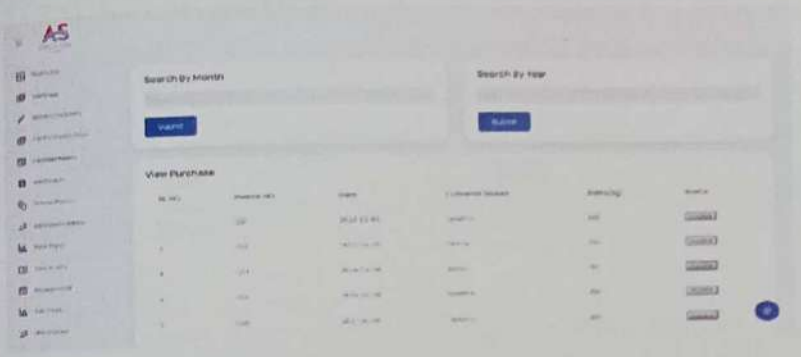
7.1.3 ADMIN-UpdateCropRate:



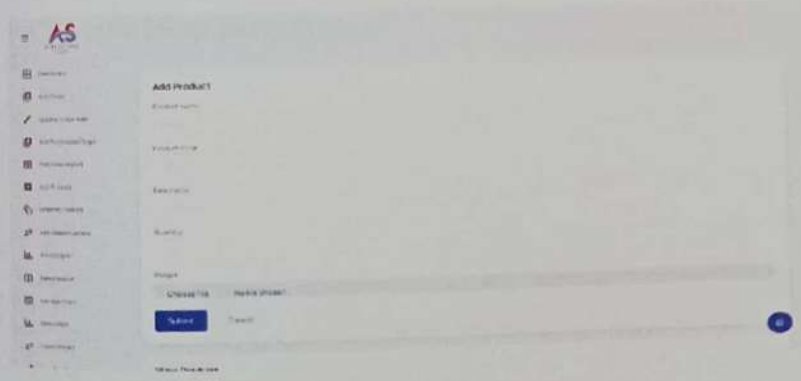
7.1.4 ADMIN-AddPurchasedCrop:



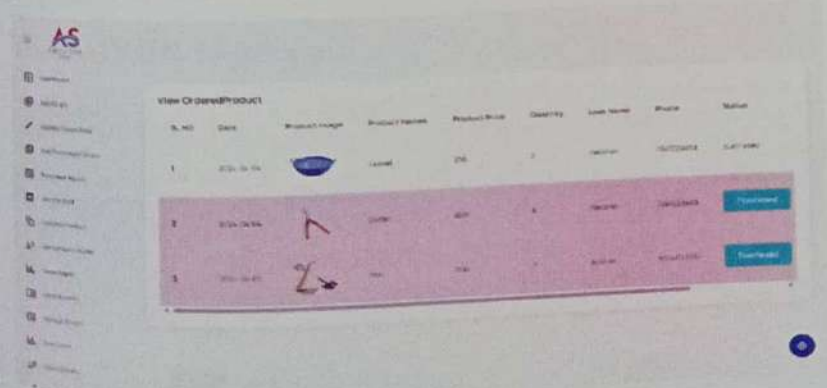
7.1.5 ADMIN-PurchaseReport:



7.1.6 ADMIN-AddProduct:

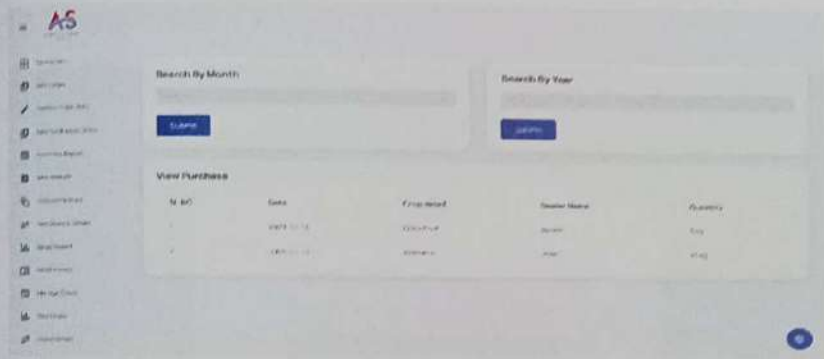


7.1.7 ADMIN-Order Product:



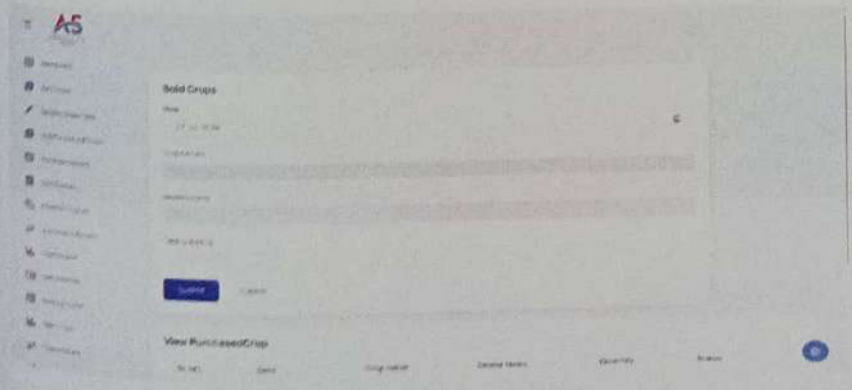
7.1.8 ADMIN-AdDealersDetails:

7.1.9 ADMIN-SalesReport:

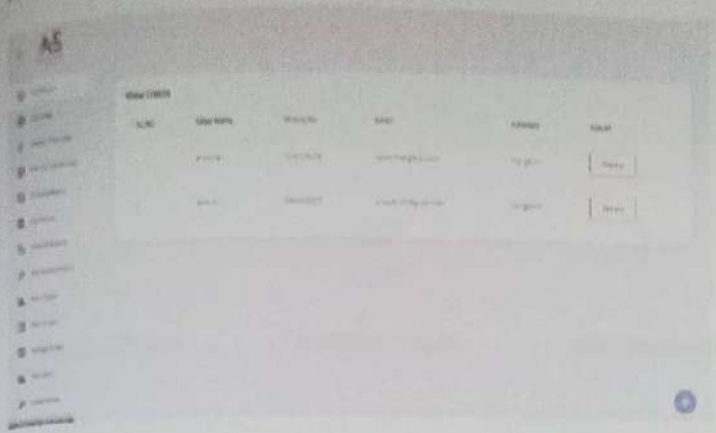


7.1.10 ADMIN-ManageOrder:

7.1.11 ADMIN-SalesCrop:



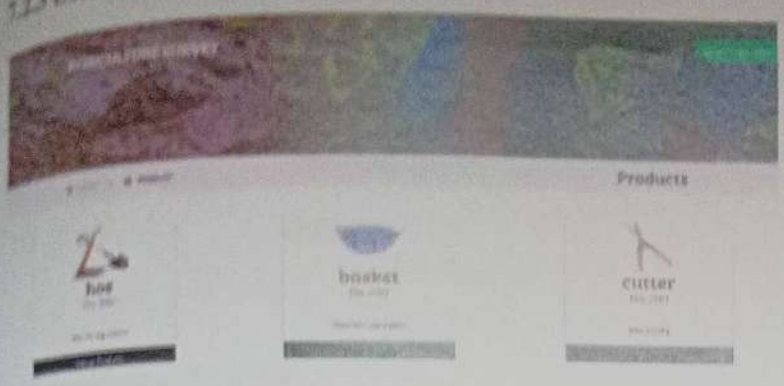
7.1.12 ADMIN-UsersDetails:



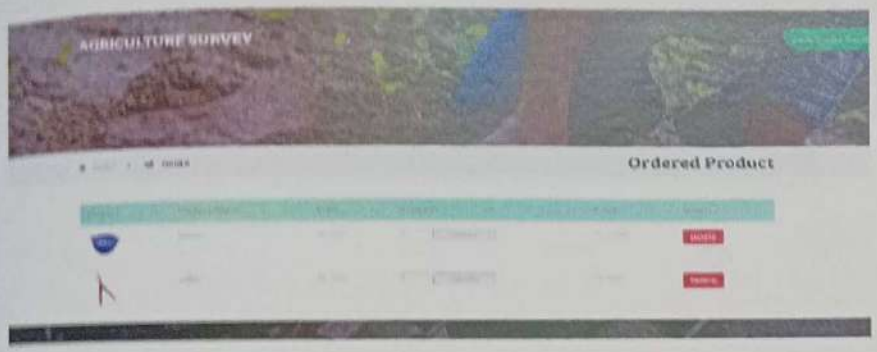
7.2.1 USER-LOGIN PAGE:

7.2.2 User-Landing Page:

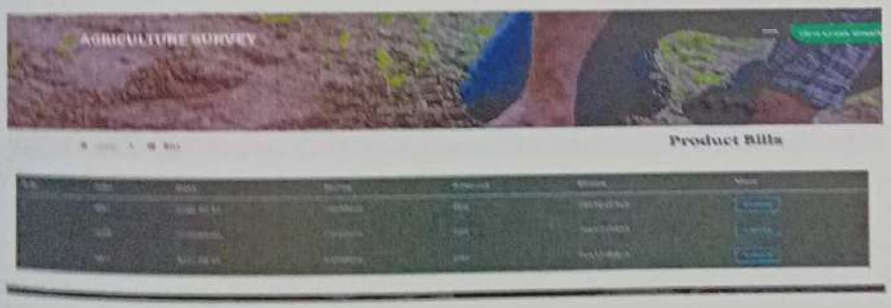
7.2.3 User-Product:



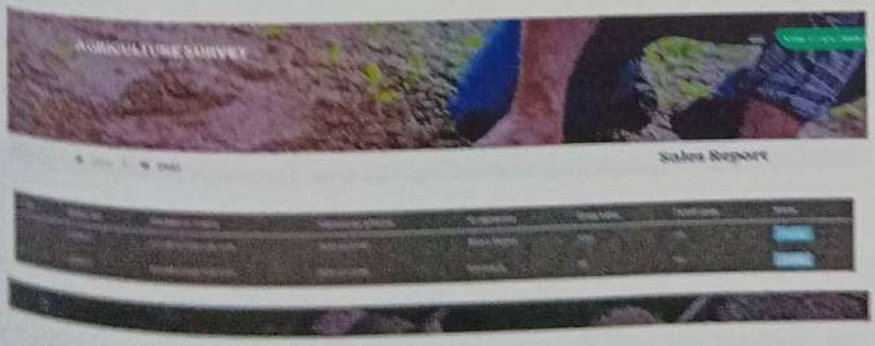
7.2.4 User-Order Product:



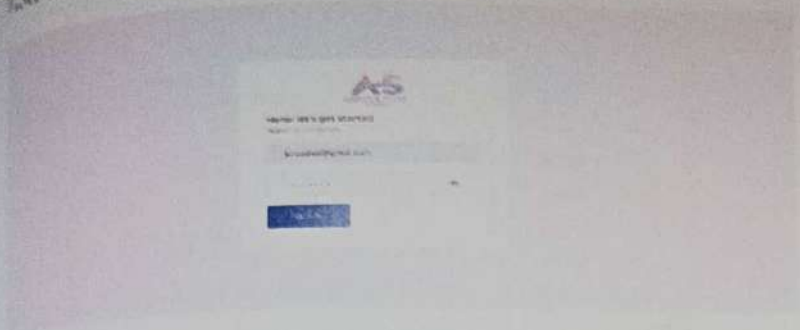
7.2.5 User-ProductBill:



7.2.6 User-SalesReport:



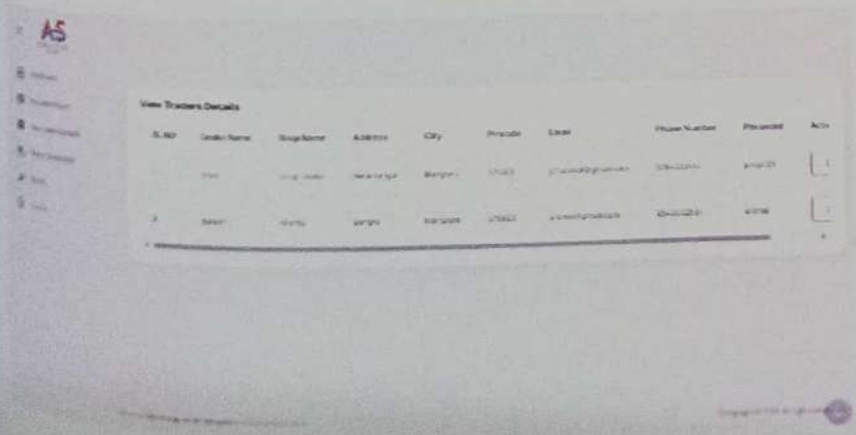
7.3.1 DEALER-SIGN IN PAGE:



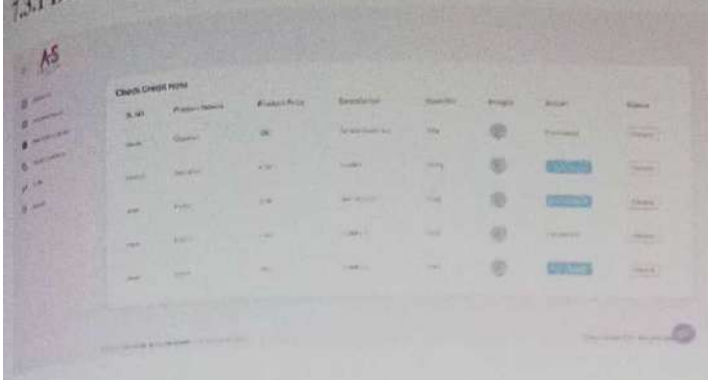
7.3.1 Dealer-Dashboarder:

7.3.1 Dealer-PurchaseReport:

7.3.1 Dealer-ViewPurchasedDetails:



7.3.1 Dealer-CheckCreditNote:



7.3.1 Dealer-Profile:

8. USER MANUAL

8.1 INTRODUCTION

This application **Agriculture Survey** is an online platform designed for the Agricultural Survey who is primarily an areca trader. Their day to day operation involves buying areca from local farmers and selling areca nuts to buyers which comprises both large and small scale industries. They also sell Basic farming equipment and essentials to the farmers.

The application simplifies these processes avoiding the overheads of maintaining the day to day records, customer details, buyer details, Crops Details and the product details. The application has three separate logins which are assigned to the Traders, Dealers and the farmers who are also the buyers of the farming equipment.

The application helps keep the selling price easily available to the buyers, generate the bill for the sales and receipt for the purchase. The application also acts as an e-commerce website where the farmers can place the order for the products online.

8.2 HARDWARE REQUIREMENTS:

- Processor:11th Gen Intel(R) Core(TM) i5-1135G7 @ 2.40GHz, 2419 MHz, 4 Core(s), 8 Logical Processor(s)
- Processor Speed: Minimum 3.70GHz
- RAM:8GB
- Hard Disk: 256 GB or above

8.3 SOFTWARE REQUIREMENTS:

- Operating System: Windows11.
- Text Editor: Notepad++, sublime text or vs code.
- Server: Xampp server.
- Browser: Chrome, Mozilla Firefox or any other.

9. CONCLUSION

9.1 Conclusion

The Agriculture Survey application not only tackles current challenges in the arecanut trading industry but also lays the groundwork for future enhancements and expansions. One potential avenue for future development involves integrating advanced analytics tools to offer insights into market trends, empowering traders to make informed decisions. Moreover, the incorporation of blockchain technology could bolster transparency and traceability in the supply chain, ensuring product quality. Additionally, expanding the platform to encompass other crops like pepper, coconut, and cashew could enhance its utility and attract a broader agricultural community. Lastly, forging partnerships with financial institutions to provide financing options for farmers could encourage greater engagement with the platform, driving sustainable growth and development in the agricultural sector.

9.2 Future scope

Integration of Advanced Analytics: Incorporating advanced analytics tools to analyze market trends and provide insights, empowering traders to make informed decisions.
Implementation of Blockchain Technology: Utilizing blockchain technology to enhance transparency and traceability in the agricultural supply chain, ensuring the quality and authenticity of products.
Expansion to Include Other Crops: Broadening the platform's scope to encompass additional crops beyond arecanut, such as pepper, coconut, and cashew, to cater to a wider agricultural community.
Partnership with Financial Institutions: Forming partnerships with financial institutions to offer financing options for farmers, fostering greater participation and engagement with the platform while promoting sustainable growth in the agricultural sector.

10. BIBLIOGRAPHY

10.1 Book References:

The following books and references were consulted during the development phase of the project:

"Learning PHP, MySQL, JavaScript, CSS & HTML5: A Step-by-Step Guide to Creating Dynamic Websites" by Robin Nixon

"An Integrated Approach to Software Engineering, Third Edition" by Pankaj Jalote.

10.2 web references:

廣安科技 Areca Technology | RAID Storage / Adapter / JBOD

https://areca.in/

Arecanut Cultivation (Betel Nut) Information | Agri Farming

Arecanut: Economically attractive - The Hindu BusinessLine

Arecanut Production - A Beginners Guide | Asia Farming

General (EN) (youtube.com)

Bangalore University

Project Report On

BIKE RENTAL APPLICATION USING DJANGO FRAMEWORK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Darshan R
U03KU21S00[illegible]1

Under the guidance of

Asst. Professor Manoj Kumar N

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Darshan R** bearing Reg. No **U03KU21S0051** has satisfactorily completed the project entitled BIKE RENTAL APPLICATION USING DJANGO under the guidance and Supervision of Asst. Professor Manoj Kumar N , Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year **2022-23**

Project Guide

Asst Prof. Manoj Kumar N

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Date.....6/7/24
No.....

Examiners

1.....

EXAMINERS
1.....2.....
2.....

DECLARATION OF GUIDE

The Project work entitled **BIKE RENTAL APPLICATION USING DJANGO FRAMEWORK** is based on work carried out by **DARSHAN R** during the course of study under the supervision of **Asst. Professor Manoj Kumar N.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2022-23.

ASST. PROF. Manoj Kumar N

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof.Vijay Kumar AS**, Head of the Department and my guide **Asst. Professor Manoj Kumar N** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
DARSHAN R

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2	2.1 Existing System 2.2 Limitations of Existing System 2.3 Proposed System 2.4 Advantages of Proposed System 2.5 Problem Formulation 2.6 System Analysis 2.7 Methodology
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Bangalore University

Project Report On

SCREAM DETECTION TEST USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Dhanush S

U03KU21S0030

Under the guidance of

Prof. Samskruthi BL

SOUNDARYA INSTITUTE OF MANAGEMENT& SCIENCE

Bangalore University

Project Report On

SCREAM DETECTION TEST USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA EDUCATIONAL TRUST

DEPARTMENT OF COMPUTER SCIENCE

Certificate

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Examiners

EXAMINERS
1.....
2.....

DECLARATION OF GUIDE

The Project work entitled **SCREAM DETECTION TEST USING MACHINE LEARNING** is based on work carried out by **DHANUSH S** during the course of study under the supervision of **Prof. Samskruthi BL.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

Prof. Samskruthi BL

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture agrand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S,** Head of the Department and my guide **Prof. Samskruthi BL** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

DHANUSH S

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Bangalore University

Project Report

WEB DEVELOPMENT ON SAMSKRUTHIKA MANE

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor Of Computer Applications during the Academic year 2023-24

Submitted by

DHARMARAJ: U03KU21SOO67

Under the guidance of

Asst. Professor Supriya D

SOUNDARYA
INSTITUTE OF
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Project Report

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Submitted in partial fulfillment of the requirement for the award of degree in Bachelor Of Computer Applications during the Academic year 2023-24

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ACKNOWLEDGEMENT

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THANK YOU.
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4	4.1 Structured chart 4.2 UML Diagram 4.3 Data Flow diagram 4.4 Data base design
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Bangalore University

Project Report On

SANJIVANI-A HOSPITAL MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

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SANJIVANI-A HOSPITAL MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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DECLARATION OF GUIDE

The Project work entitled **SANJIVANI**- A Hospital Management System is based on work carried out by **H S SAGAR VASISHTA** during the course of study under the supervision of **Asst. Prof. Nagasuma C V.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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THANK YOU

BANGALORE UNIVERSITY

A PROJECT REPORT

ON

"KnoDat - BLOGGING WEBSITE"

Submitted in practical fulfillment for the award of the degree of

BACHELOR OF COMPUTER APPLICATION

Submitted by

HARI KRISHNAN S

U03KU21S0041

UNDER THE GUIDANCE OF

Prof. ARJUN SWAMI

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This is to certify that **HARI KRISHNAN S** bearing Register No. **U03KU21S0041** has successfully completed the project entitled **"KnoDat - BLOGGING WEBSITE"** under the guidance and supervision of **Prof. ARJUN SWAMI**, Department Of Computer Science at Soundarya Institute Of Management And Science in the fulfillment of requirements of VI semester, Bachelor of Computer Application of Bangalore University, Bangalore during the academic year 2023-34.

Date 6/7/24

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DECLARATION OF GUIDE

The project entitled **KnoDat - Blogging website** is based on the work carried out by **HARI KRISHNAN S** during the course of study under the supervision of **Prof. ARJUN SWAMI**. I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor Of Computer Applications under Bangalore University for the academic year 2023-24.

Prof. ARJUN SWAMI

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Thankyou,

HARI KRISHNAN S

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1. INTRODUCTION

- 1.1 PROJECT OVERVIEW
- 1.2 MODULE DESCRIPTION

1.1 PROJECT OVERVIEW

KnoDat is a simple, user-friendly blogging website developed using Python and the Django framework, designed to provide a comprehensive platform for bloggers and readers alike. The primary objective of KnoDat is to offer a seamless and engaging experience for content creation, management, and consumption.

The website includes several key features to enhance user experience. First, it offers secure user registration and login using Django's built-in authentication system, with optional social media authentication for convenient access. Customizable user profiles allow bloggers to showcase their bio, photo, and links to social media handles.

Interaction between users is facilitated through a commenting system, where readers can engage with posts, and like and share buttons promote further interaction. A notification system alerts users of new comments, likes, and follows, keeping them engaged with the platform. KnoDat is designed to be fully responsive, ensuring optimal viewing on various devices, including desktops, tablets, and smartphones.

From an administrative perspective, KnoDat includes a comprehensive admin dashboard for managing users, posts, comments, and site settings. Analytics and reporting tools provide insights into site performance and user engagement, helping administrators make informed decisions.

Technically, KnoDat leverages Python and Django for the backend, utilizing Django ORM for database operations and Django REST framework for API development when building a mobile app or third-party integration. The frontend is built with HTML, CSS, and JavaScript, using Bootstrap framework for responsive design.

1.2 MODULE DESCRIPTION

1. User Authentication:

- This module handles user registration, login, logout, and authentication.
- It also manages user roles and permissions, allowing different levels of access to content and features.

2. Content Management System (CMS):

- A CMS module allows users to create, edit, publish, and manage content such as blog posts, articles, pages, and multimedia content.

3. Article/Post Management Module:

- This module enables users to create, edit, delete, and organize blog posts or articles.
- It may include features such as categorization, tagging, scheduling posts for publication, and managing drafts.

4. Responsive Design Module:

- Ensures that the website layout and content adapt seamlessly to different screen sizes and devices, providing a consistent user experience across desktops, tablets, and smartphones.

5. Read All Posts:

- Renders HTML templates to display all blog posts. Flask (or Django) handles the backend logic for fetching and serving posts to the frontend.

6. CRUD Operations for Posts:

- The primary purpose of this module is to facilitate interactions with blog posts, allowing users to perform CRUD (Create,Read,Update,Delete) operations seamlessly.

2. SYSTEM STUDY

- 2.1 EXISTING SYSTEM
- 2.2 PROPOSED SYSTEM

2.1 EXISTING SYSTEM

The existing system refers to the current state or setup of a project, application, or system that is already in place and operational. It represents the status quo or the system as it exists before any changes or improvements are made. The existing system may have limitations, inefficiencies, or areas for improvement that have prompted the need for change.

Existing System: **Craigslist**

Disadvantages:

1. Not User Friendly:

- User-friendly issues can significantly impact the user experience and ultimately deter visitors from engaging with the content.

2. Lacks a Profile Management:

- Not allow users to create and update their profiles with personal information, profile pictures, and other details.

3. Lacks a proper CRUD Operation:

- Not enable users to create, read, update, and delete their blog posts.

4. Lack of good design:

- The lack of good design can significantly impact its usability, aesthetics, and overall effectiveness in engaging visitors.

5. Lacks a feedback option:

- Not implemented a feedback form where users can submit their thoughts, suggestions, or issues regarding the blog website.

6. Lack of Responsive Design:

- Not made the website responsive and accessible across various devices and screen sizes.

7. Security Issues:

- Users can sign up and login without passwords.

2.2 PROPOSED SYSTEM

The proposed system of a project refers to the planned features, functionalities, and improvements that are intended to be implemented to address existing limitations or to enhance the capabilities of the current system. Proposed system makes the project more efficient and user friendly. The proposed system is platform independent and it can be implemented in any operating system and it is free to use.

User Registration and Authentication:

- Implemented a user registration system where users can sign up for an account using email or social media accounts.
- Allow users to log in securely and manage their accounts.

2. User Profile Management:

- Allowed users to create and update their profiles with personal information, profile pictures, and other details.
- Users can view their own profiles and profiles of other users.

3. CRUD Operations for Posts:

- Enabled users to create, read, update, and delete their blog posts.
- Each post should have a title, content, publication date, and possibly tags or categories for organization.

4. Read All Posts:

- Developed a page where users can view all blog posts, sorted by date or popularity.

5. Responsive Design:

- The website is responsive and accessible across various devices and screen sizes.
- Utilized responsive design principles and frameworks like Bootstrap to optimize the user experience.

6. Performance Optimization:

- Optimized the website's performance by minimizing load times, optimizing images.

3. SYSTEM SPECIFICATION

- 3.1 SOFTWARE SPECIFICATIONS
- 3.2 HARDWARE SPECIFICATIONS

3. SYSTEM SPECIFICATION

- 3.1 SOFTWARE SPECIFICATIONS
- 3.2 HARDWARE SPECIFICATIONS

3.1 SOFTWARE SPECIFICATIONS

1. Operating System:

- Windows Server for hosting the KnoDat Website.

2. Database Management System (DBMS):

- SQLite for storing and managing user information, etc.

3. Programming Languages and Frameworks:

- Backend: Python with Django framework
- Frontend: HTML, CSS, bootstrap

4. Development Tools:

- Integrated Development Environment (IDE) which is Visual Studio Code.
- Package Installer: 'pip'

3.2 HARDWARE SPECIFICATIONS

1. Processor:

- Intel core i3(6th Generation)

2. Storage:

- 1TB HDD(Hard Disk Drive)
- 256GB M.2 SSD(Solid State Drive) for faster performance

3. RAM:

- 8GB DDR4 RAM(Random Access Memory)

4. SYSTEM DESIGN

- 4.1 INPUT DESIGN
- 4.2 OUTPUT DESIGN
- 4.3 DATABASE DESIGN

4.1 INPUT DESIGN

1. User Sign-Up Form:

Input Fields: Email address, password.

Should provide clear error messages for invalid inputs and success messages upon successful registration.

2. User Login Form:

Input Fields: Email address, password.

Should provide clear error messages for invalid inputs and success messages upon successful registration.

3. Profile Creation:

Input Fields: Name, description, profile picture.

Should provide clear error messages for invalid inputs and success messages upon successful registration.

4. CRUD Operations for Posts:

Input Fields: Title, content, image.

Require a title, content and image for each post.

Provide confirmation messages upon successful creation, updating, or deletion of posts. Display error messages for any issues encountered during these operations.

5. Feedback Form:

Input Fields: feedback message.

Allow submission of feedback messages without requiring personal information.

Notify users if there are issues with submitting the feedback form.

6. Popular Writers:

Showcase popular writers prominently on a dedicated section of the website.

Design a visually appealing layout that highlights each writer's profile picture, name, and perhaps a brief bio.

7. Responsive Design:

Make the website responsive and accessible across various devices and screen sizes. Optimize the layout for readability and ease of use on smaller screens.

4.2 OUTPUT DESIGN

Creating the output design for the BlogBloom website involves considering various elements such as layout, typography, color scheme, imagery, and user interface components. The output design of this website aims to create a visually appealing, user-friendly, and accessible platform that effectively communicates its value proposition and encourages user engagement and interaction.

1. User Registration and Authentication:

Providing a user sign up and login page for user convenience.

2. Feedback Form:

Providing submission of feedback messages without requiring personal information.

3. Feedback Confirmation:

Providing feedback confirmation messages to users upon successful submission of feedback.

4. Popular Writers:

Providing popular writers prominently on a dedicated section of the website.

5. Responsive Design:

The website is responsive and accessible across various devices and screen sizes.

6. Error Messages:

Displaying clear and informative error messages for users in case of invalid inputs or system errors.

4.3 DATABASE DESIGN

The database design of a project involves creating a structure that efficiently stores and organizes data related to the project's requirements and functionalities. It typically consists of defining tables, relationships between tables, and constraints to ensure data integrity. For this project, we'll design a database schema to store information related to users, blog posts, feedback, and other relevant entities.

1. User Data:

Storing user information such as usernames, email addresses, and encrypted passwords for authentication purposes.

2. Profile Data:

Storing user profile information such as names, description and profile pictures.

3. Post Data:

Storing users post information such as title, content and title image.

4. Feedback Data:

Creating a table to store user feedback, including feedback content, and timestamps.

5. Relationships:

Establishing relationships between different tables, such as a one-to-many relationship between users and feedback, to maintain data integrity.

By carefully designing inputs, outputs, and the database structure, BlogBloom can provide users with a seamless and intuitive experience while efficiently managing and presenting data.

5. SYSTEM TESTING

- **5.1 TEST PLAN**

5.1 TEST PLAN

The system testing phase aims to ensure that BlogBloom functions as intended, meeting all specified requirements. The test plan includes various tests to validate different aspects of the system's functionality. System testing is a crucial phase in the software development lifecycle, where the integrated system is evaluated to verify that it meets specified requirements. The phase assesses the system's compliance with the outlined requirements, identifying any discrepancies between expected and actual behavior. The goal is to ensure the system is bug-free, reliable, user-friendly, and ready for deployment.

Types of System Testing:

System testing encompasses various types of testing to cover all facts of the software, ensuring its functionality, performance, security, and usability meet the highest standards. Below, we explore the key types of system testing relevant to the BlogBloom Blog platform.

1. User Authentication Testing:

- User authentication testing ensures that the system accurately verifies user identity.
- It includes testing login, registration, and password reset processes.
- Test cases cover valid and invalid credentials, account lockouts, and password security.

2. CRUD operation Testing:

- Test CRUD operations using both positive and negative test cases to cover various scenarios and edge cases.
- Test CRUD operations using different user roles and permissions to verify proper access control and authorization.
- Check for appropriate error messages and validation constraints.

3. Profile Page Testing:

- Testing that the page displays user information accurately, allows users to update their profiles, and handles various scenarios effectively.
- Ensure that the information is consistent with the data stored in the database.

- Ensure that changes made to the profile are reflected accurately on the profile page and in the database.
- Test that only authenticated users can access their own profile pages.
- Test the performance of the profile page, especially when loading user information or uploading profile pictures.

4. Feedback Testing:

- Feedback testing ensures that the system correctly collects and processes user feedback.
- It involves validating the feedback submission process and the system's response to user feedback.
- Test cases check for feedback submission accuracy and system responsiveness.

5. Security Testing:

- Security testing ensures that the system is protected against unauthorized access, data breaches, and other security threats.
- It involves identifying vulnerabilities in the system and ensuring that appropriate security measures are in place to mitigate these risks.

6. Performance Testing:

- Performance testing evaluates the system's speed, responsiveness, and stability under various load conditions.
- It involves testing the system's ability to handle a specific number of users or transactions and identifying any performance bottlenecks.

7. Compatibility Testing:

- Compatibility testing ensures that the system functions correctly across different devices, browsers, and operating systems.
- It involves testing the system's compatibility with various hardware and software configurations to ensure a consistent user experience.

8. Usability Testing:

- Usability testing evaluates the system's ease of use and user-friendliness.
- It involves testing the system's interface, navigation, and overall user experience to ensure that it meets the needs of its target users.

9. Integration Testing:

- Integration testing ensures that individual components of the system work together correctly as a whole.
- It involves testing the interactions between different modules, services, or systems to ensure that they integrate seamlessly and function as expected.

10. Regression Testing:

- Regression testing ensures that new code changes do not adversely affect existing functionality.
- It involves retesting previously tested features to ensure they still work correctly after code changes.
- The goal is to catch any unexpected side effects or bugs introduced by the new code.
- Regression testing is essential for maintaining the quality and stability of software systems, especially in agile development environments where code changes frequently.
- It helps ensure that the software continues to meet user requirements and performs as expected across different scenarios.
- Automated testing tools are often used to efficiently perform regression testing.

6. IMPLEMENTATION

- **6.1 TECHNOLOGIES USED**

6.1 TECHNOLOGIES USED

1. BACKEND TECHNOLOGIES

PYTHON

- Python is a high-level, interpreted programming language known for its simplicity and readability. It emphasizes code readability with its use of significant whitespace and is versatile, being used for web development, data analysis, artificial intelligence, scientific computing, and more.
- Python is used to write server-side logic, interact with databases, handle HTTP requests and responses, and integrate various third-party services.
- Python is an interpreted language, meaning that it is executed line-by-line, which can simplify the debugging process. This feature allows developers to test and iterate on their code rapidly, making Python well-suited for prototyping and development in dynamic environments. The interpreted nature of Python, combined with its interactive shell, facilitates exploratory programming, where developers can test snippets of code and see immediate results.

DJANGO FRAMEWORK

- Django is a high-level Python web framework that promotes rapid development and clean, pragmatic design. It includes built-in features for everything a developer needs to build a robust web application.
- Django is used to handle the backend logic of the website, including URL routing, form handling, database operations, and ensuring security best practices. It follows the Model-View-Controller (MVC) architectural pattern, which helps in organizing code effectively.
- Django's template engine allows for the separation of HTML presentation from business logic, enabling developers to create dynamic web pages with reusable components
- This separation enhances code maintainability and allows designers and developers to work more effectively together.

DJANGO REST FRAMEWORK

- Django REST Framework is a powerful toolkit for building Web APIs in Django. It provides various functionalities like serialization, authentication, and permissions.
- DRF is used to create RESTful APIs that can be consumed by frontend applications, mobile apps, or other services. It allows for easy serialization of complex data types and handles authentication and permission checks.

CELERY

- Celery is an asynchronous task queue/job queue based on distributed message passing. It is focused on real-time operation but supports scheduling as well.
- Celery is used for handling background tasks that can be processed asynchronously, such as sending emails, processing data, or interacting with third-party APIs without blocking the main application workflow.

2. FRONTEND TECHNOLOGIES

HTML5

- HTML5 is the latest version of the Hypertext Markup Language, the standard for structuring content on the web. It introduces new elements and attributes to provide better semantics and accessibility.
- HTML5 is used to create the structure of web pages. It defines elements like headers, footers, sections, articles, and multimedia elements, enabling the creation of well-structured and accessible web content.

CSS3

- CSS3 is the latest evolution of the Cascading Style Sheets language, used to style and layout web pages. It includes new features like rounded corners, shadows, gradients, transitions, and animations.

- CSS3 is used to style the content defined by HTML, controlling the layout, colors, fonts, and overall appearance of the website. It enables responsive design, ensuring the website looks good on all devices.

JAVASCRIPT

- JavaScript is a high-level, interpreted programming language that enables interactive web pages. It is one of the core technologies of the World Wide Web, alongside HTML and CSS.
- JavaScript is used to add interactivity to web pages, such as form validation, dynamic content updates, and handling user events. It can also interact with backend APIs to fetch and display data asynchronously.

BOOTSTRAP

- Bootstrap is a popular front-end framework for developing responsive and mobile-first websites. It includes pre-designed components and a grid system for layout.
- Bootstrap is used to speed up front-end development by providing ready-made UI components like buttons, forms, navigation bars, and modals. Its responsive grid system helps in designing layouts that work well on various screen sizes.

3. DATABASE TECHNOLOGIES

SQLite

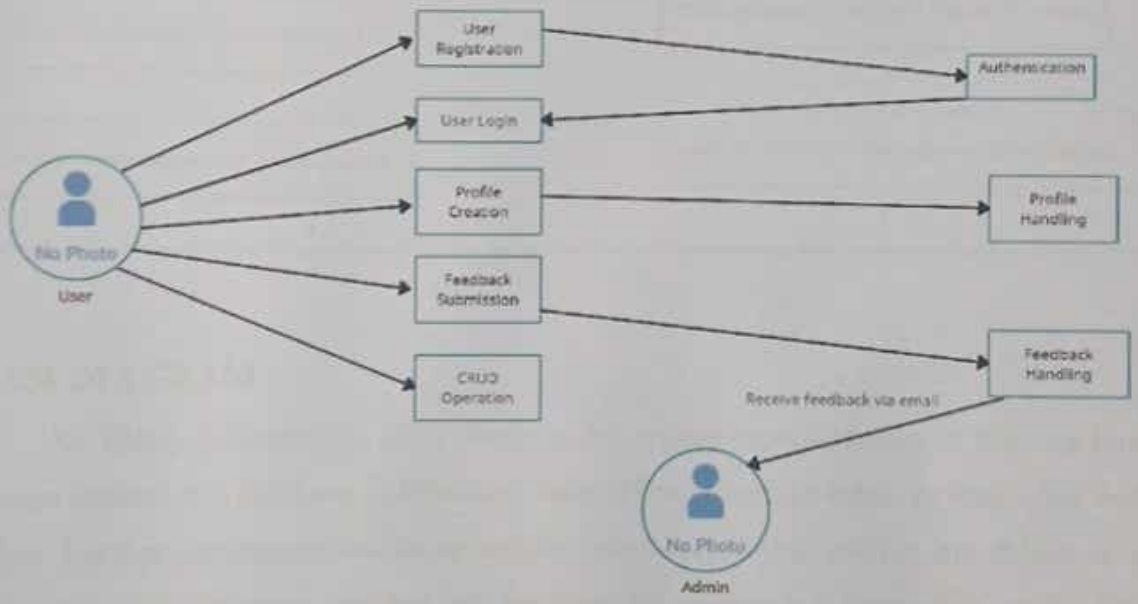
- SQLite is a self-contained, high-reliability, embedded, full-featured, public-domain, SQL database engine. It is serverless and stores the entire database in a single file.
- SQLite is often used during development and testing due to its simplicity and ease of setup. It is suitable for smaller projects or applications with low to moderate database needs.

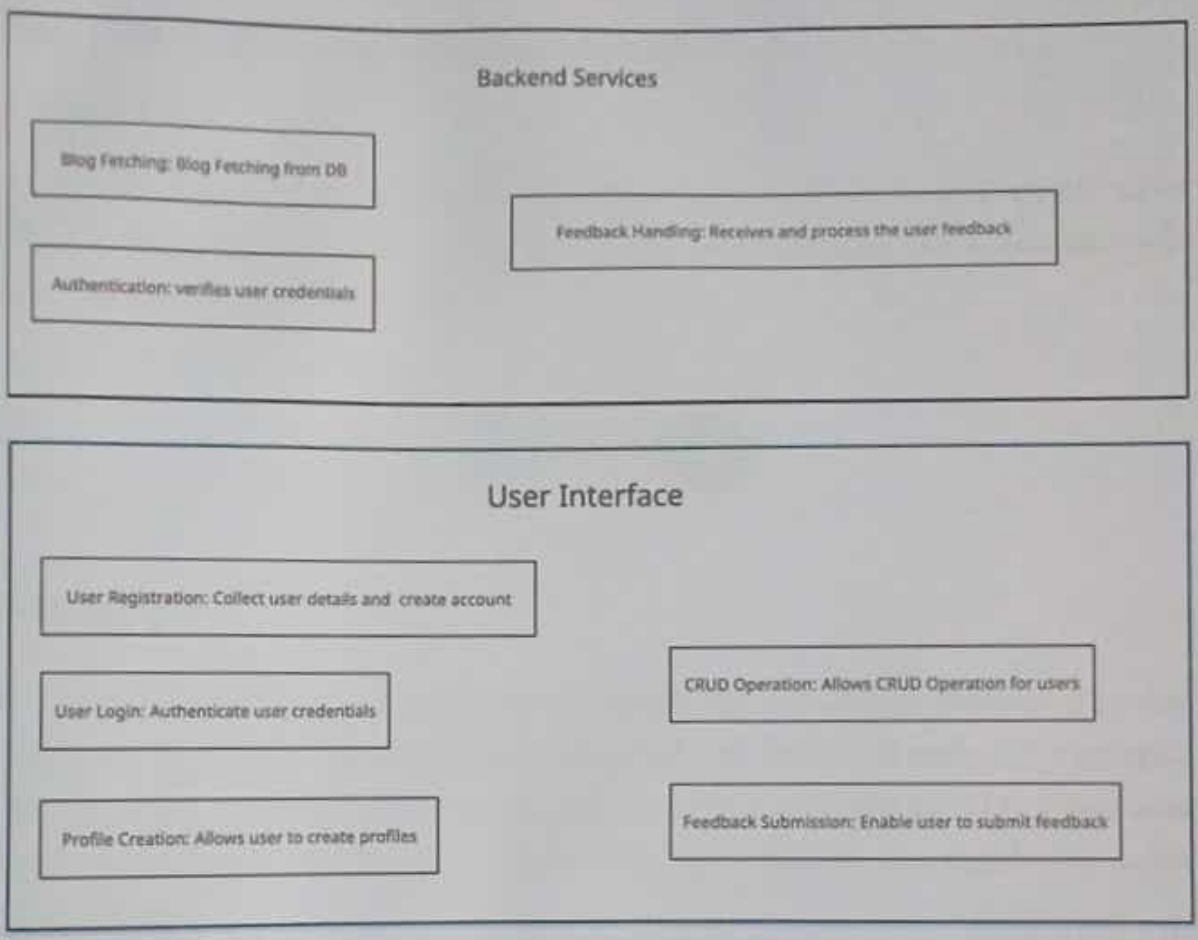
7.APPENDICES

- 7.1 DATA FLOW DIAGRAM
- 7.2 ER DIAGRAM
- 7.3 TABLE STRUCTURE

7.1 DATA FLOW DIAGRAM

A data flow diagram (DFD) is a graphical representation of the flow of data within a system. It illustrates how data moves from one process to another, how it is stored, and how it is transformed. DFDs typically consist of processes, data stores, data flows, and external entities. Processes represent activities or transformations that occur within the system, data stores depict where data is held, data flows show the movement of data between processes and stores, and external entities represent sources or destinations of data outside the system. DFDs provide a clear and visual way to understand the data flow and interactions within a system, making them useful for system analysis, design, and communication among stakeholders.





7.2 ER DIAGRAM

An Entity-Relationship (ER) diagram is a visual representation of the relationships between entities in a database. It illustrates how different entities relate to each other within a system. Entities are represented as rectangles, attributes within entities are shown as ovals, and relationships between entities are depicted by connecting lines. The cardinality and participation constraints of relationships are often indicated using symbols such as crow's feet and diamonds. ER diagrams help to design and understand the structure of a database by showcasing the entities, their attributes, and the relationships between them.

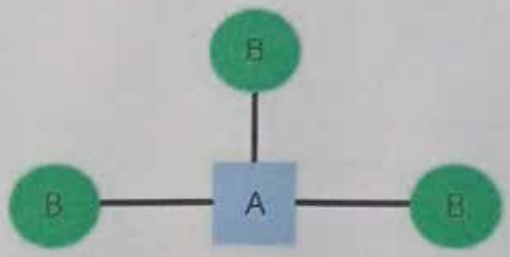
There are three types of relationships between entities:

1. One-to-One:

One instance of an entity (A) is associated with one other instance of another entity (B). For example, in a database of employees, each employee name (A) is associated with only one social security number (B)

2. One-to-Many:

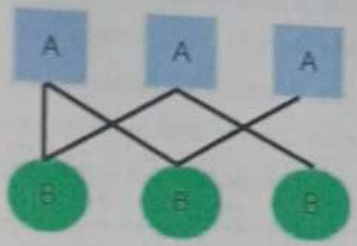
One instance of an entity (A) is associated with zero, one or many instances of another entity (B), but for one instance of entity B there is only one instance of entity A. For example, for a company with all employees working in one building, the building name (A) is associated with many different employees (B), but those employees all share the same singular association with entity A.

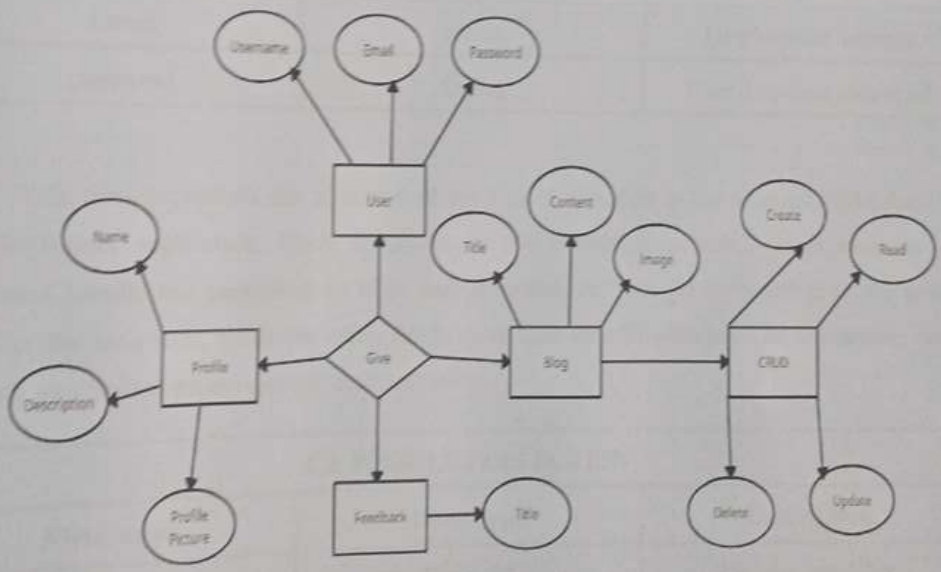


3. Many-to-Many:

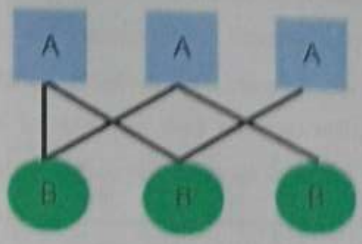
One instance of an entity (A) is associated with one, zero or many instances of another entity (B), and one instance of entity B is associated with one, zero or many instances of entity A. For example, for a company in which all of its employees work on multiple projects, each instance of an employee (A) is associated with many instances of a

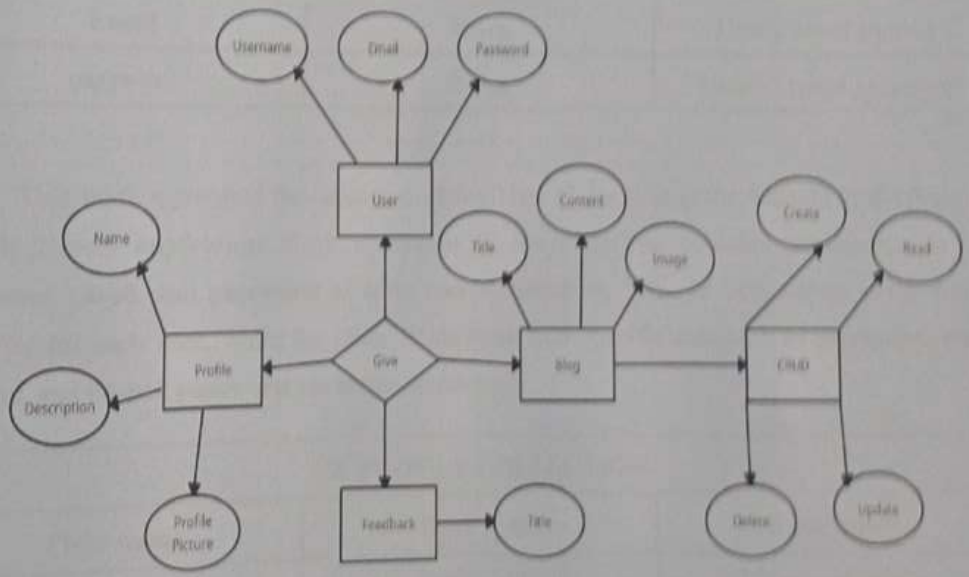
project (B), and at the same time, each instance of a project (B) has multiple employees (A) associated with it.



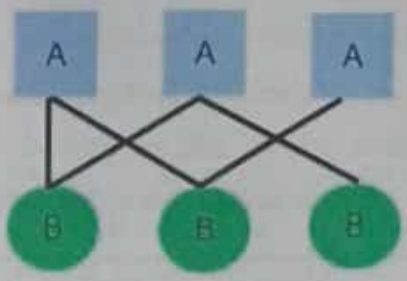


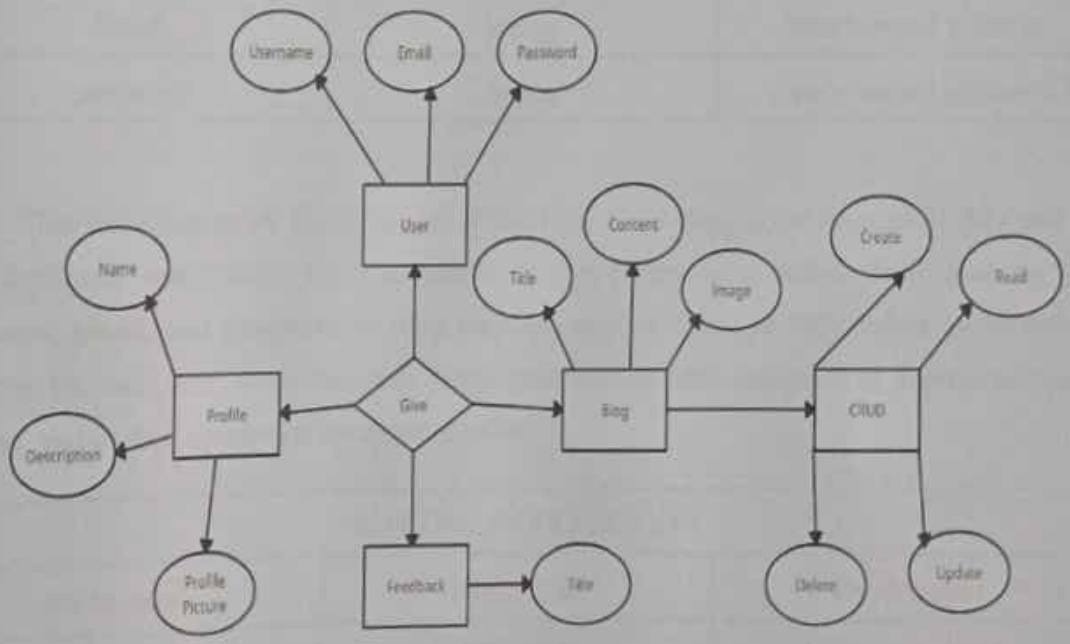
project (B), and at the same time, each instance of a project (B) has multiple employees (A) associated with it.





project (B), and at the same time, each instance of a project (B) has multiple employees (A) associated with it.





7.3 TABLE DESIGN

Table design in a project involves structuring the database tables to efficiently store and organize data in accordance with the project's requirements. It includes defining the tables, their columns, data types, constraints, and relationships. Primary and foreign keys are defined to establish relationships between tables, ensuring data integrity and facilitating data retrieval and manipulation. Table design aims to optimize data storage, retrieval, and performance while maintaining consistency and accuracy within the project's database.

C1. USER COLLECTION		
Field name	**Data Type**	**Description**
_id	ObjectId	Unique identifier
username	String	User's username
Email	String	User's email address
password	String	User's hashed password

This table represents the structure of the User Collection in the MongoDB database for the BlogBloom application. Each document in the collection contains fields such as **_id**, **username**, **email**, and **password** to store user information. The **_id** field serves as the unique identifier for each user, while the other fields store user-specific data such as **username**, **email address**, and hashed **password** for authentication.

C2. PROFILE COLLECTION		
Field name	**Data Type**	**Description**
_id	ObjectId	Unique identifier
name	String	User's username
Description	String	Description User

This table represents the structure of the Profile Collection in the MongoDB database for the BlogBloom application. Each document in the collection contains fields such as **_id**, **name**, and **description** to store user information.

C3. BLOG COLLECTION		
Field name	**Data Type**	**Description**
_id	ObjectId	Unique identifier
Title	String	Blog name
Content	String	Content of the Blog
created_at	Date	Timestamp of when the Blog is created

This table represents the structure of the Blog Collection in the MongoDB database for the BlogBloom application. Each document in the collection contains fields such as **_id**, **title**, **content** and **created_at** to store user information.

8. PROGRAM SNAPS

- **8.1 USER INTERFACE SCREENSHOTS**

8.1 USER INTERFACE SCREENSHOTS

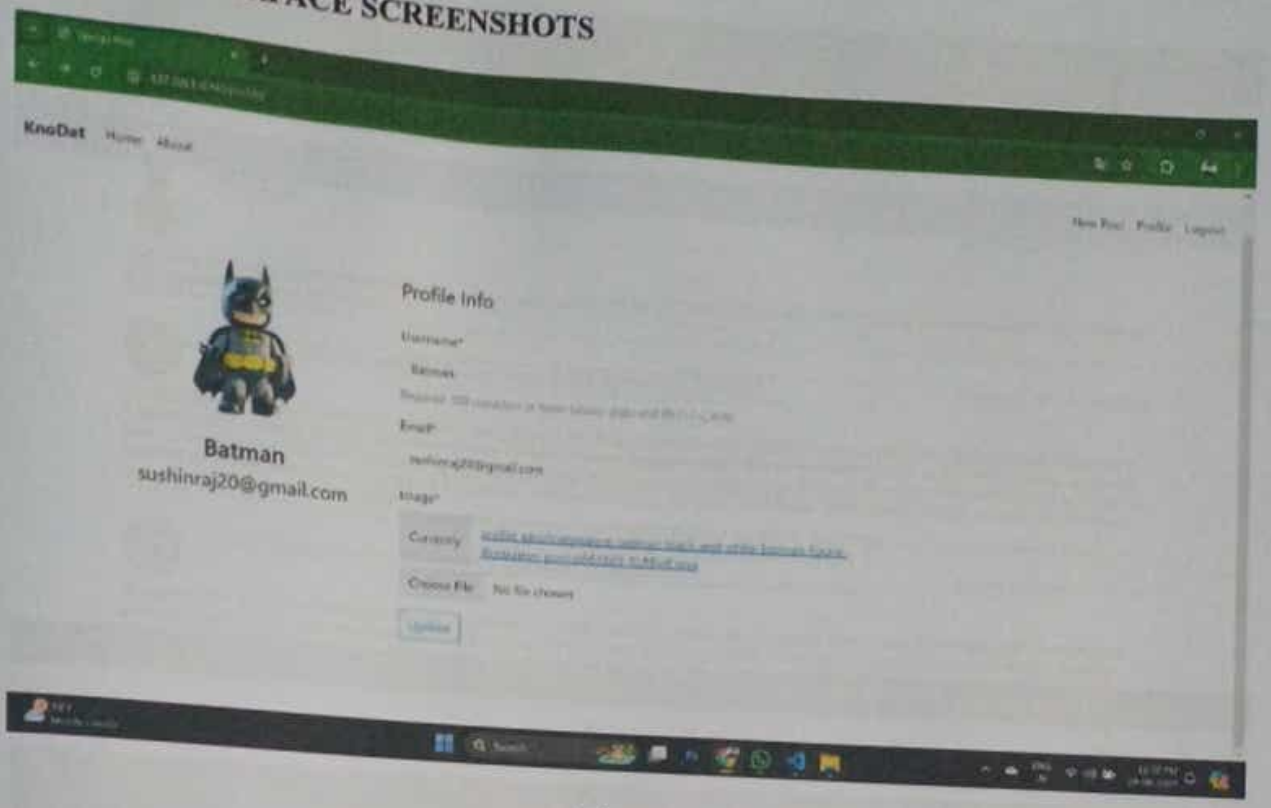


Fig no. 1

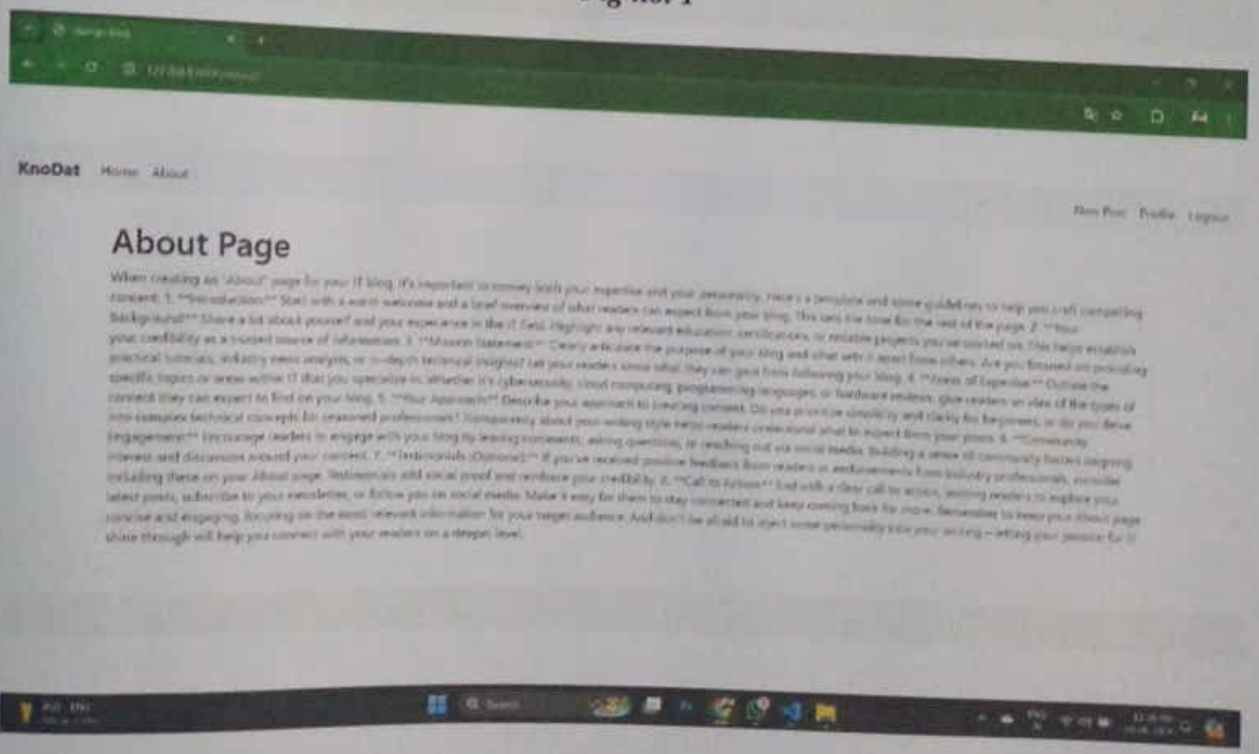


Fig no. 2

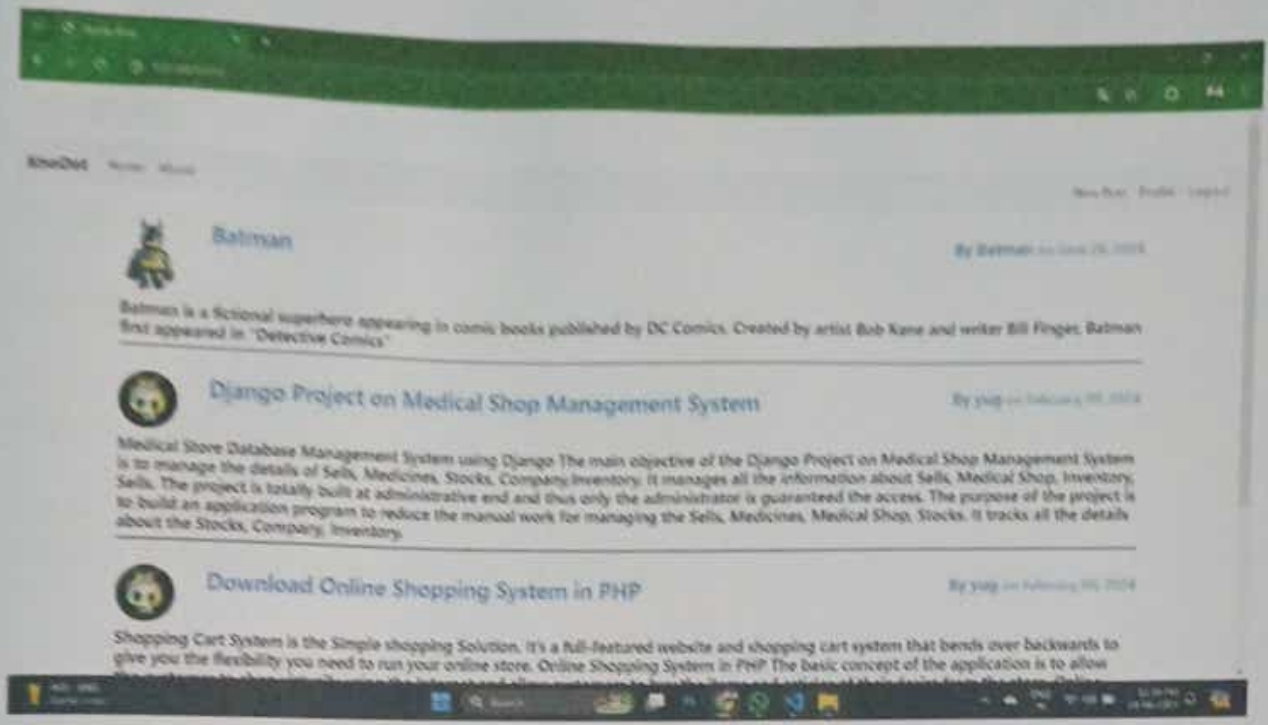


Fig no. 3

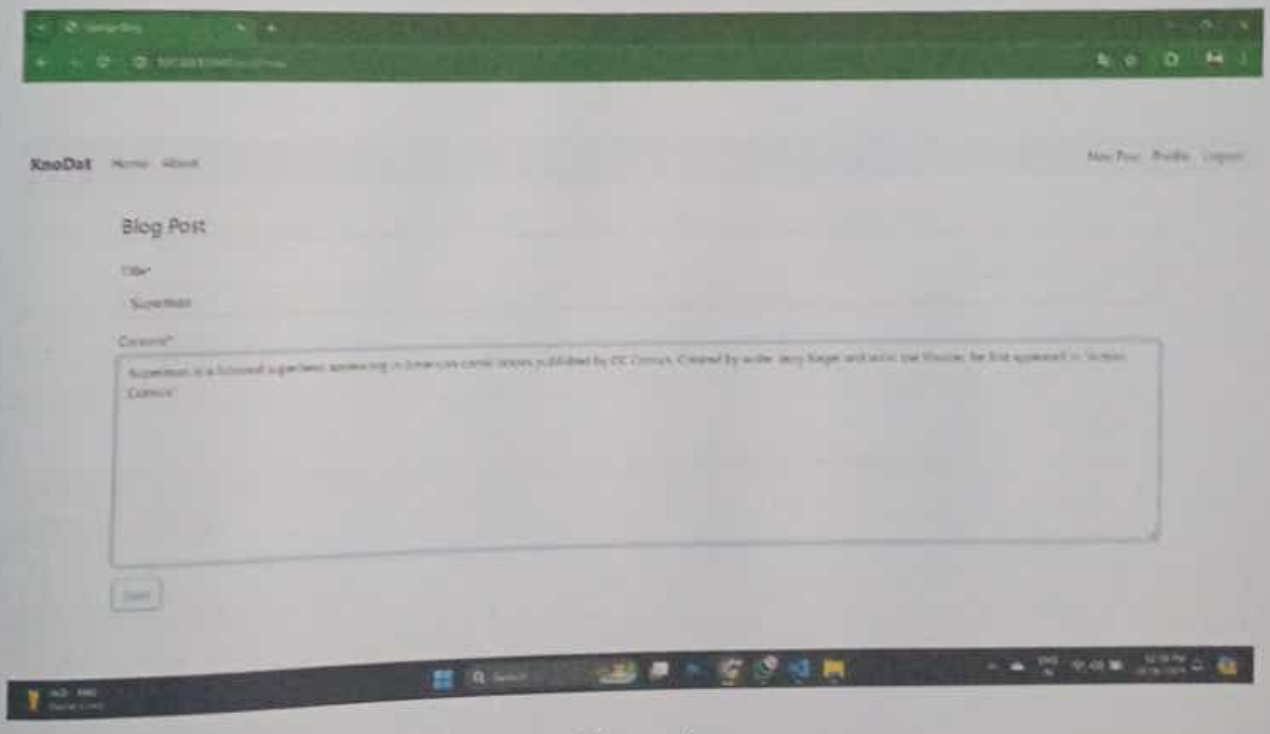


Fig no. 4

8.2 SAMPLE CODING

settings.py

```
"""
Django settings for django_project project.

Generated by 'django-admin startproject' using Django 4.1.

For more information on this file, see
https://docs.djangoproject.com/en/4.1/topics/settings/

For the full list of settings and their values, see
https://docs.djangoproject.com/en/4.1/ref/settings/
"""

from pathlib import Path
import os

# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent


# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/4.1/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY =
'django-insecure-v%@#)^()f04%m7w!)k!047c0mi)jou#d=_*o_e5h1p3=m+@yv('

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True

ALLOWED_HOSTS = []


# Application definition

INSTALLED_APPS = [
  'users.apps.UsersConfig',
  'blog.apps.BlogConfig',
```

```
    'crispy_forms',
    "crispy_bootstrap5",
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'blog'
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'django_project.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    },
]

WSGI_APPLICATION = 'django_project.wsgi.application'
```

```
# Database
# https://docs.djangoproject.com/en/4.1/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': BASE_DIR / 'db.sqlite3',
    }
}


# Password validation
# https://docs.djangoproject.com/en/4.1/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]


# Internationalization
# https://docs.djangoproject.com/en/4.1/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'Asia/Kolkata'

USE_I18N = True
```

```
USE_TZ = True


# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/4.1/howto/static-files/

STATIC_URL = 'static/'

MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
MEDIA_URL = 'media/'

# Default primary key field type
# https://docs.djangoproject.com/en/4.1/ref/settings/#default-auto-field

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'

CRISPY_ALLOWED_TEMPLATE_PACKS = "bootstrap5"
CRISPY_TEMPLATE_PACK = "bootstrap5"

LOGIN_REDIRECT_URL = 'blog-home'
LOGIN_URL = 'login'

EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'
EMAIL_HOST = 'smtp.gmail.com'
EMAIL_PORT = 587
EMAIL_USE_TLS = True
EMAIL_HOST_USER = os.environ.get('EMAIL_USER')
EMAIL_HOST_PASSWORD = os.environ.get('EMAIL_PASS')
```

urls.py

```
"""django_project URL Configuration

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/4.1/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
```

```
USE_TZ = True


# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/4.1/howto/static-files/

STATIC_URL = 'static/'

MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
MEDIA_URL = 'media/'

# Default primary key field type
# https://docs.djangoproject.com/en/4.1/ref/settings/#default-auto-field

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'

CRISPY_ALLOWED_TEMPLATE_PACKS = "bootstrap5"
CRISPY_TEMPLATE_PACK = "bootstrap5"

LOGIN_REDIRECT_URL = 'blog-home'
LOGIN_URL = 'login'

EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'
EMAIL_HOST = 'smtp.gmail.com'
EMAIL_PORT = 587
EMAIL_USE_TLS = True
EMAIL_HOST_USER = os.environ.get('EMAIL_USER')
EMAIL_HOST_PASSWORD = os.environ.get('EMAIL_PASS')
```

urls.py

```
"""django_project URL Configuration

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/4.1/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
```

```
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.contrib.auth import views as auth_views
from django.urls import path, include
from users import views as user_views
#only for MEDIA_ROOT & MEDIA_URL...for placing in static folder...
from django.conf import settings
from django.conf.urls.static import static

urlpatterns = [
    path('admin/', admin.site.urls),
    path('register/', user_views.register, name = 'register'),
    path('profile/', user_views.profile, name = 'profile'),
    path('login/', auth_views.LoginView.as_view(template_name='users/login.html'), name =
'login'),
    path('logout/', auth_views.LogoutView.as_view(template_name='users/logout.html'), name =
'logout'),
    path('password-reset',
auth_views.PasswordResetView.as_view(template_name='users/password_reset.html'), name =
'password_reset'),
    path('password-reset-done',
auth_views.PasswordResetDoneView.as_view(template_name='users/password_reset_done.html'
), name = 'password_reset_done'),
    path('password-reset-confirm/<uidb64>/<token>/',
auth_views.PasswordResetConfirmView.as_view(template_name='users/password_reset_confir
m.html'), name = 'password_reset_confirm'),
    path('password-reset-complete',
auth_views.PasswordResetCompleteView.as_view(template_name='users/password_reset_compl
ete.html'), name = 'password_reset_complete'),
    path('', include('blog.urls'))
]

if settings.DEBUG:
    urlpatterns += static(settings.MEDIA_URL, document_root = settings.MEDIA_ROOT)
```

views.py

```
from django.shortcuts import render, redirect
from django.contrib import messages
from django.contrib.auth.decorators import login_required
from .forms import UserRegisterForm, UserUpdateForm, ProfileUpdateForm

# Create your views here.
def register(request):
    if request.method=='POST':
        form = UserRegisterForm(request.POST)
        if form.is_valid():
            form.save()
            username = form.cleaned_data.get('username')
            messages.success(request, f'Account created for {username}')
            return redirect('login')
    else:
        form = UserRegisterForm()
    return render(request, 'users/register.html', {'form':form})


@login_required
def profile(request):
    if request.method=='POST':
        u_form = UserUpdateForm(request.POST, instance=request.user)
        p_form = ProfileUpdateForm(request.POST, request.FILES ,instance=request.user.profile)
        if u_form.is_valid() and p_form.is_valid():
            u_form.save()
            p_form.save()
            messages.success(request, f'Your account has been updated!')
            return redirect('profile')
    else:
```

```
    u_form = UserUpdateForm(instance=request.user)
    p_form = ProfileUpdateForm(instance=request.user.profile)
  context = {
    'u_form':u_form,
    'p_form':p_form
  }
  return render(request, 'users/profile.html', context)
```

models.py

```
from django.db import models
from django.contrib.auth.models import User
from PIL import Image

# Create your models here.
class Profile(models.Model):
  user = models.OneToOneField(User,on_delete=models.CASCADE)
  image = models.ImageField(default='pic4.jpg', upload_to='profile_pics')

  def __str__(self):
    return f'{self.user.username} Profile'

  def save(self, *args, **kwargs):
    super().save(*args, **kwargs)

    img = Image.open(self.image.path)
    if img.height > 300 or img.width>300:
      output_size = (300,300)
      img.thumbnail(output_size)
      img.save(self.image.path)
```

forms.py

```
from django import forms
from django.contrib.auth.models import User
from django.contrib.auth.forms import UserCreationForm
from .models import Profile

class UserRegisterForm(UserCreationForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email', 'password1', 'password2']


class UserUpdateForm(forms.ModelForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email']

class ProfileUpdateForm(forms.ModelForm):
    class Meta:
        model = Profile
        fields = ['image']
```

manage.py

```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys
```

forms.py

```
from django import forms
from django.contrib.auth.models import User
from django.contrib.auth.forms import UserCreationForm
from .models import Profile

class UserRegisterForm(UserCreationForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email', 'password1', 'password2']


class UserUpdateForm(forms.ModelForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email']

class ProfileUpdateForm(forms.ModelForm):
    class Meta:
        model = Profile
        fields = ['image']
```

manage.py

```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys
```

```
def main():
    """Run administrative tasks."""
    os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'django_project.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(
            "Couldn't import Django. Are you sure it's installed and "
            "available on your PYTHONPATH environment variable? Did you "
            "forget to activate a virtual environment?"
        ) from exc
    execute_from_command_line(sys.argv)


if __name__ == '__main__':
    main()
```

Templates

Login.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
  {% csrf_token %}
  <fieldset class="form-group">
    <div class="form-group">
      <legend class="border-bottom mb-4">Log In</legend>
      {{ form|crispy }}
    </div>
  </fieldset>
  <div class="form-group">
```

```
        <button type="submit" class="btn btn-outline-info mb-2">Login</button>

    <small class="text-muted mx-3">
      Forgot password? <a href="{% url 'password_reset' %}" class="ml-2">Reset Password</a>
    </small>
</div>
</form>
<div class="border-top pt-3">
    <small class="text-muted">
      Need an account? <a href="{% url 'register' %}" class="ml-2">Sign Up Now</a>
    </small>
</div>
{% endblock content %}
```

Logout.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="text-center my-5">
    <h2>You have been logged out.</h2>
    <h6>
      <a href="{% url 'login' %}" class="ml-2">Login again</a>
    </h6>
</div>
{% endblock content %}
```

password_reset_complete.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="alert alert-info">
```

```
    <button type="submit" class="btn btn-outline-info mb-2">Login</button>

  <small class="text-muted mx-3">
    Forgot password? <a href="{% url 'password_reset' %}" class="ml-2">Reset Password</a>
  </small>
</div>
</form>
<div class="border-top pt-3">
  <small class="text-muted">
    Need an account? <a href="{% url 'register' %}" class="ml-2">Sign Up Now</a>
  </small>
</div>
{% endblock content %}
```

Logout.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="text-center my-5">
  <h2>You have been logged out.</h2>
  <h6>
    <a href="{% url 'login' %}" class="ml-2">Login again</a>
  </h6>
</div>
{% endblock content %}
```

password_reset_complete.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="alert alert-info">
```

```
    <h6 class="text-center">
      Password has been changed successfully.
    </h6>
  </div>
  <div class="text-center my-5">
    <h5>
      If you want to login, Please <a class="text-decoration-none" href="{% url 'login'
%}">Login Here</a>
    </h5>
  </div>
  {% endblock content %}
```

password_reset_confirm.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
  {% csrf_token %}
  <fieldset class="form-group">
    <div class="form-group">
      <legend class="border-bottom mb-4">Reset Password</legend>
      {{ form|crispy }}
    </div>
  </fieldset>
  <div class="form-group">
    <button type="submit" class="btn btn-outline-info mb-2">Reset Password</button>
  </div>
</form>
{% endblock content %}
```

password_reset_done.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
  {% csrf_token %}
  <fieldset class="form-group">
    <div class="form-group">
      <legend class="border-bottom mb-4">Reset Password</legend>
      {{ form|crispy }}
    </div>
  </fieldset>
  <div class="form-group">
    <button type="submit" class="btn btn-outline-info mb-2">Request Password
Reset</button>
  </div>
</form>
{% endblock content %}
```

profile.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<div class="container rounded bg-white mt-5 mb-5">
  <div class="row">
    <div class="col-md-3 border-right">
      <div class="d-flex flex-column align-items-center text-center p-3 py-5">
        <img class="rounded-circle mt-7 mb-3" width="150px" src="{{ user.profile.image.url
}}">
        <span class="fs-3 fw-semibold">{{ user.username }}</span>
        <span class="fs-4">{{ user.email }}</span>
```

```
        </div>
      </div>
      <div class="col-md-6 border-right">
        <div class="p-3 py-5">
          <form method="POST" enctype="multipart/form-data">
            {% csrf_token %}
            <fieldset class="form-group">
              <div class="form-group">
                <legend class="border-bottom mb-4">Profile Info</legend>
                {{ u_form|crispy }}
                {{ p_form|crispy }}
              </div>
            </fieldset>
            <div class="form-group">
              <button type="submit" class="btn btn-outline-info mb-2">Update</button>
            </div>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>

</div>
{% endblock content %}
```

register.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
```

```
    {% csrf_token %}
    <fieldset class="form-group">
      <div class="form-group">
        <legend class="border-bottom mb-4">Join Today</legend>
        {{ form|crispy }}
      </div>
    </fieldset>
    <div class="form-group">
      <button type="submit" class="btn btn-outline-info mb-2">Sign Up</button>
    </div>

</form>
<div class="border-top pt-3">
    <small class="text-muted">
      Already have an account? <a href="{% url 'login' %}" class="ml-2">Sign In</a>
    </small>
</div>
{% endblock content %}
```

9. CONCLUSION

- 9.1 PROJECT SUMMARY
- 9.2 FUTURE ENHANCEMENTS

9.1 PROJECT SUMMARY

BlogBloom is a comprehensive online platform designed to assist bloggers and content creators in publishing, managing, and promoting their content. It offers a user-friendly interface with customizable templates and intuitive editing tools to suit various styles and preferences. The platform integrates features for social media sharing, search engine optimization, and audience engagement, enabling bloggers to reach a wider audience and enhance their online presence. BlogBloom simplifies the blogging process, making it accessible and enjoyable for users of all skill levels.

9.2 FUTURE ENHANCEMENTS

Future enhancements of a project could include various improvements and expansions aimed at enhancing functionality, user experience, and overall performance. This might involve adding new features such as advanced analytics tools, interactive elements. Additionally, improvements to security measures, user interface design, and accessibility features could be implemented to enhance usability and protect user data.

Some of the planned enhancements include:

1. Improved User Interface:

Enhancing the project's user interface to make it more intuitive, visually appealing, and user-friendly can significantly enhance the user experience.

2. Mobile App Development:

Developing a mobile application version of the project can expand its accessibility and reach, catering to users who prefer accessing content on mobile devices.

3. Community Features:

Implementing community features such as forums, commenting systems, or user-generated content sections can foster engagement among users and create a sense of belonging within the platform.

4. Localization and Internationalization:

Adding support for multiple languages and localization features can make the project more accessible to users from diverse cultural and linguistic backgrounds, expanding its global reach.

5. Social Sharing:

Allowing users to share their blogs through their social media accounts to see all others and motivate them to use this site.

6. Notification Alert:

Implement additional features such as comments, likes, user notifications, and advanced search filters.Continual updates and enhancements are essential for keeping the project relevant, competitive, and aligned with evolving user needs and technological advancements. These future enhancements will make BlogBloom an even more indispensable resource for Blogs, enabling them to reach their goals more effectively and enjoyably. We are dedicated to continuously improving BlogBloom to meet the evolving needs of our users and provide them with an exceptional Blogging experience.

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- 10.1 REFERENCES
- 10.2 ONLINE RESOURCES

10.1 REFERENCES

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10.2 ONLINE RESOURCES

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Bangalore University

Project Report On

CLASSHUB – EDUCATIONAL AND NOTES SHARING APPLICATION

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Harish Kumawat

U03KU21S0024

Under the guidance of

Asst. Professor Yatish S J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

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Certificate

This is to certify that HARISH KUMAWAT Reg. No **U03KU21S0024** , has satisfactorily completed the project entitled CLASSHUB – EDUCATIONAL AND NOTES SHARING APPLICATION under the guidance and supervision of YATISH Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide 6/7/24

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Examiners

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EXAMINERS
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DECLARATION OF GUIDE

The Project work entitled **CLASSHUB – EDUCATIONAL AND NOTES SHARING APPLICATION** is based on work carried out by **HARISH KUMAWAT** during the course of study under the supervision of **Asst. Professor Yatish SJ.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

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I would like to mention my sincere gratitude to **Prof. VIJAY KUMAR**, Head of the Department and my guide **Asst. Professor Yatish SJ** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

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Project Report On

ATTENDANCE MODULE

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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THANK YOU.
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Bangalore University

Project Report On

BUILDING CUSTOMER SEGMENTATION USING MACHINELEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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THANK YOU.
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Project Report On

SWIFT RIDES USING DJANGO FRAMEWORK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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Bangalore University

Project Report On

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THANK YOU.

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Chapter-1 Introduction

- Introduction
- Statement of the problem
- Objective of the study
- Scope of the study
- Feasibility study
  * Technical Feasibility
  * Operational Feasibility
  * Financial Feasibility

1.1 Introduction

Full Stack Development refers to the practice of working on both the front end (client side) and the back end (server side) of a web application. A Full Stack Developer is proficient in all layers of web development, from the user interface to the database, server, and everything in between. This versatility allows them to build and manage an entire web application from start to finish.

Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design. Created by experienced developers, it takes care of much of the hassle of web development, so developers can focus on writing their applications without needing to reinvent the wheel.

1.2 Statement of the problem:

The car rental industry has seen a significant shift towards online platforms, making it easier for customers to book vehicles from the comfort of their homes. Despite this progress, many existing platforms lack user-friendly interfaces, efficient booking processes, and robust management systems for fleet operators. There is a need for a comprehensive web application that addresses these gaps and provides a seamless experience for both customers and car rental businesses.

1.3 Objective of the Study

To develop a Swift Rides that allows users to easily search for, book, and manage car rentals while providing rental companies with tools to manage their fleet, track reservations, and handle customer interactions efficiently.

1.4 Scope of the study

The economic feasibility of the Swift Rides project evaluates whether the benefits outweigh the costs. This involves estimating development costs (including salaries, tools, and infrastructure), ongoing operational expenses (such as hosting and maintenance), and potential revenue from user bookings and possibly subscription models for rental companies. The project is economically feasible if the expected revenue and cost savings (e.g., streamlined operations for rental companies) exceed the total costs. A positive return on investment (ROI) and break-even analysis would indicate financial viability, making the project a sound economic decision.

1.5 Feasibility Study

The feasibility of the project is analyzed in this phase and business proposal is put forth with a very general plan for the project and some cost estimates. During system analysis the feasibility study of the proposed system is to be carried out. This is to ensure that the proposed system is not a burden to the company. For feasibility analysis, some understanding of the major requirements for the system is essential.

Three key considerations involved in the feasibility analysis are

- TECHNICAL FEASIBILITY
- OPERATIONAL FEASIBILITY
- FINANCIAL FEASIBILITY

Technical Feasibility

The technical feasibility of Swift Rides is highly promising, given the availability of robust web development frameworks, secure payment gateways, and scalable cloud infrastructure. Using Django for backend development ensures a reliable and efficient server-side architecture, while front-end technologies like HTML, CSS, JavaScript and Tailwind CSS provide a responsive and intuitive user experience. Automated testing tools and CI/CD pipelines enhance development efficiency and code quality. Moreover, modern data security practices and compliance with regulations ensure the protection of user data, making the technical implementation of Swift Rides both viable and sustainable.

Operational Feasibility

The operational feasibility of Swift Rides is strong, as it leverages existing technologies and industry practices to streamline car rental operations. The platform can be managed by a team with expertise in web development, customer service, and fleet management. Automated systems for booking, payment processing, and vehicle tracking reduce manual intervention, enhancing , efficiency and accuracy. Integration with third-party services for payments and insurance simplifies operations, while real-time data and analytics support informed decision-making. Additionally, user-friendly interfaces and mobile compatibility ensure accessibility and convenience for customers, making the day-to-day operations of Swift Rides manageable and scalable.

Financial Feasibility

The financial feasibility of Swift Rides appears promising, with potential for high returns on investment through various revenue streams such as rental fees, service charges, and premium add-ons. Initial costs include development, marketing, and integration with third-party services, which can be managed through a phased approach to minimize upfront expenses. The scalability of the platform allows for gradual expansion based on market demand, reducing financial risk. Additionally, leveraging cloud services reduces infrastructure costs, while automated systems cut down on operational expenses. A strong business model focusing on customer satisfaction and retention can drive steady income, making the financial outlook for Swift Rides favorable.

Chapter -2

System Study

2.1 Problem Statement
2.2 Existing System
2.3 Limitations of Existing System
2.4 Proposed System
2.5 Advantages of Proposed System
2.6 Methodology

2.1 Problem Statement:

Swift Rides is a car rental web application that aims to provide users with a seamless and efficient platform to rent vehicles online. The application allows users to browse a catalog of available cars, filter their search based on various criteria such as car type, price, rental period, and location, and view detailed information about each vehicle, including photos, specifications, and rental terms. Users can create accounts, manage their profiles, and track their rental history. The application supports secure online payments, provides booking confirmations, and sends notifications about the status of rentals.

Additionally, Swift Rides offers an administrative interface for managing vehicle listings, pricing, availability, and reservations. The administrative tools include functionalities for managing user accounts, handling customer inquiries and support tickets, and generating reports on rental activities and revenue. The platform integrates with third-party services such as payment gateways, insurance providers, and GPS tracking for enhanced functionality.

To enhance user experience, Swift Rides includes features such as personalized recommendations based on user preferences and rental history, loyalty programs offering discounts or rewards for frequent rentals, and options for adding extras like child seats or GPS navigation systems to the rental.

The primary challenge is to develop a user-friendly interface that ensures a smooth booking process, integrates secure payment gateways, and maintains an up-to-date inventory of available vehicles while ensuring data security and privacy for users. The system is designed to be scalable to handle peak usage times, with robust backup and recovery processes in place, and compliance with relevant legal and regulatory requirements related to car rentals and data protection.

2.2 Existing System

There are several existing systems similar to Swift Rides in the car rental industry. Here are a few notable examples:

1. **Turo**: Turo is a peer-to-peer car sharing platform that allows individuals to rent out their personal vehicles to others. It operates similarly to a rental service but with a focus on community sharing.
2. **Enterprise Rent-A-Car**: Enterprise is a traditional car rental company that offers a wide range of vehicles for short-term rentals. It has a strong presence in various locations and provides both online and offline booking services.
3. **Hertz**: Hertz is another well-known car rental company that operates globally. It offers a variety of rental options, including standard cars, SUVs, and luxury vehicles, with an emphasis on customer service and loyalty programs.
4. **Zipcar**: Zipcar is a membership-based car sharing service that provides access to vehicles on a short-term basis. It's popular in urban areas and on college campuses, offering flexibility and convenience for users who don't own a car.
5. **Avis Budget Group**: Avis and Budget are two brands under the Avis Budget Group that provide car rental services worldwide. They cater to both leisure and business travelers with a range of vehicle options and rental plans.

These systems vary in their business models, target audiences, and service offerings but share the common goal of providing convenient and reliable car rental solutions to consumers. Each platform may have unique features such as loyalty programs, mobile app integrations, and specialized rental categories to differentiate themselves in the market.

2.3 Limitations of Existing System

While car rental systems like Turo, Enterprise, Hertz, Zipcar, and Avis Budget Group offer convenient solutions for renting vehicles, they also come with certain limitations:

1. **Availability and Location**: Availability of vehicles can be limited, especially during peak seasons or in certain locations. This may lead to challenges in finding the desired vehicle type or availability at preferred pickup locations.
2. **Booking Flexibility**: Some systems may have strict booking policies, including minimum rental periods or advance booking requirements, which can restrict flexibility for last-minute rentals or short-term needs.
3. **Cost and Fees**: Rental costs can vary significantly based on factors such as vehicle type, rental duration, location, and additional fees (e.g., insurance, fuel charges, mileage limits). These costs may not always be transparent upfront, leading to unexpected expenses.
4. **Insurance and Liability**: Insurance coverage policies may vary, and renters may need to navigate complex terms and conditions regarding liability, damages, and coverage limitations. This can lead to confusion and uncertainty about financial responsibilities in case of accidents or damages.
5. **Customer Support**: Depending on the system, customer support quality and responsiveness may vary. Issues such as vehicle maintenance, billing discrepancies, or booking modifications may not always be resolved promptly or satisfactorily.
6. **User Experience and Interface**: Some systems may have outdated or cumbersome user interfaces, making it challenging for users to navigate and complete bookings efficiently. Mobile app usability and functionality may also vary, affecting overall user experience.
7. **Vehicle Condition and Maintenance**: Ensuring the reliability and cleanliness of rental vehicles can be a concern. Systems that do not prioritize regular maintenance or vehicle inspection processes may lead to dissatisfaction among renters.
8. **Environmental Impact**: Traditional car rental systems often involve large fleets of vehicles, contributing to environmental concerns related to fuel consumption, emissions,

and overall sustainability practices.

9. **Regulatory Compliance**: Compliance with local regulations, licensing requirements, and consumer protection laws can vary across regions where these systems operate. This may affect service availability, pricing structures, and operational practices.
10. **Competition and Market Dynamics**: Intense competition in the car rental industry can lead to pricing pressures and promotional tactics that may not always benefit consumers. Limited differentiation in service offerings may also restrict choices for renters.

Addressing these limitations requires ongoing improvements in technology, customer service standards, transparency in pricing and policies, and commitment to sustainability and regulatory compliance within the car rental industry.

2.4 Proposed System

- **User-friendly Interface**: Develop a responsive web application with an intuitive interface for easy navigation and seamless user experience.
- **Comprehensive Vehicle Catalog**: Create a detailed catalog featuring various vehicle types, complete with high-quality images, specifications, and rental terms displayed clearly.
- **Advanced Search and Filtering**: Implement robust search and filtering functionalities to allow users to easily find vehicles based on criteria such as type, price range, location, and availability.
- **User Account Management**: Enable users to create accounts, manage profiles, store preferences, and track rental history securely.
- **Secure Payment Gateway Integration**: Integrate reliable and secure payment gateways to facilitate seamless online transactions, including support for multiple payment methods and currencies.
- **Real-time Availability Updates**: Implement real-time updates to ensure accurate availability status of vehicles, reducing instances of overbooking and enhancing user satisfaction.
- **Booking Management**: Provide a streamlined booking process with options for flexible rental durations, instant booking confirmations, and automated notifications.
- **Administrative Dashboard**: Develop a comprehensive dashboard for administrators to manage vehicle listings, pricing, availability, customer inquiries, and support tickets efficiently.
- **Customer Support Features**: Implement features for handling customer inquiries, feedback, and support requests promptly, ensuring high-quality customer service.
- **Customizable Booking Options**: Offer customizable booking options, including add-ons such as insurance coverage, GPS navigation systems, and child seats, to meet diverse customer needs.
- **Performance Analytics and Reporting**: Incorporate analytics tools to generate insights into rental activities, revenue trends, user behaviors, and operational performance.

- **Mobile Compatibility**: Ensure compatibility with mobile devices, offering a responsive design and mobile app integration for convenient on-the-go bookings and management.
- **Integration with External Services**: Integrate with third-party services such as insurance providers, roadside assistance, and GPS tracking systems to enhance service offerings.
- **Scalability and Reliability**: Design the system to be scalable to handle peak loads and reliable to minimize downtime, supported by robust backup and recovery mechanisms.
- **Data Security and Privacy**: Implement stringent data security measures to protect user information, comply with data protection regulations, and ensure secure handling of sensitive data.
- **Continuous Improvement and Updates**: Commit to ongoing system improvements, feature enhancements, and updates based on user feedback, industry trends, and technological advancements.

2.5 Advantages of proposed System

- Enhanced user experience
- Comprehensive vehicle information
- Secure and convenient payments
- Real-time availability updates
- Efficient operations management
- Responsive customer support
- Customizable booking options
- Mobile compatibility
- Integration with third-party services
- Scalability and reliability
- Data security and privacy
- Localization and internationalization support
- Continuous improvement through updates

2.6 Methodologies

The methodology for developing Swift Rides adopts an agile approach, starting with gathering requirements and designing user interfaces and system architecture. Development progresses iteratively using technologies like HTML/CSS/JavaScript for front-end and Django/Node.js for back-end. Git manages version control, enabling collaborative development. Continuous integration and deployment

(CI/CD) automates testing and deployment. Testing includes unit and integration tests, with user acceptance testing (UAT) for final validation. Deployment to production involves setting up monitoring and logging. Post-deployment, agile practices drive ongoing maintenance and updates based on user feedback and market needs, ensuring Swift Rides evolves efficiently and meets user expectations.

Chapter -3

System Requirement

3.1 Hardware & Software requirement

3.2 Front End

3.3 Back End.

3.4 Database

3.1Hardware Software Requirements

HARDWARE REQUIREMENTS:

- Processor : Intel Core i3-3110M
- Storage : Minimum of 10 GB.
- RAM : Minimum of 4 GB

SOFTWARE REQUIREMENTS:

- Operating system : Windows 11/10.
- Coding Language : Python
- Web Framework : Django
- Software/IDE : Visual Studio Code

Front End:

- HTML
- CSS
- Java Script
- Tailwind CSS

Back End:

- Python
- Django

Database:

- SQLite

Chapter -4

System Design

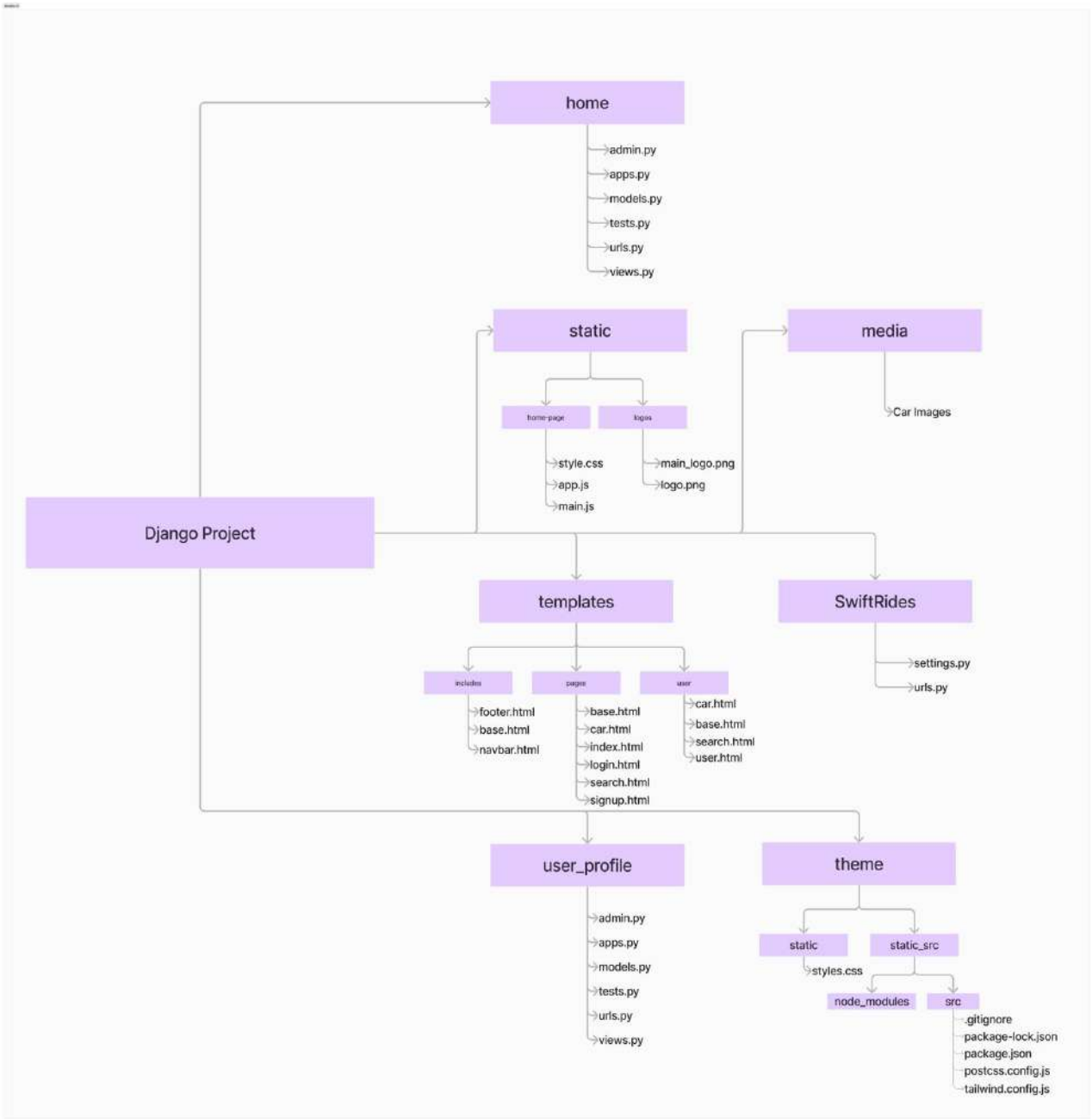
4.1 Structured chart.

4.2 ER Diagram.

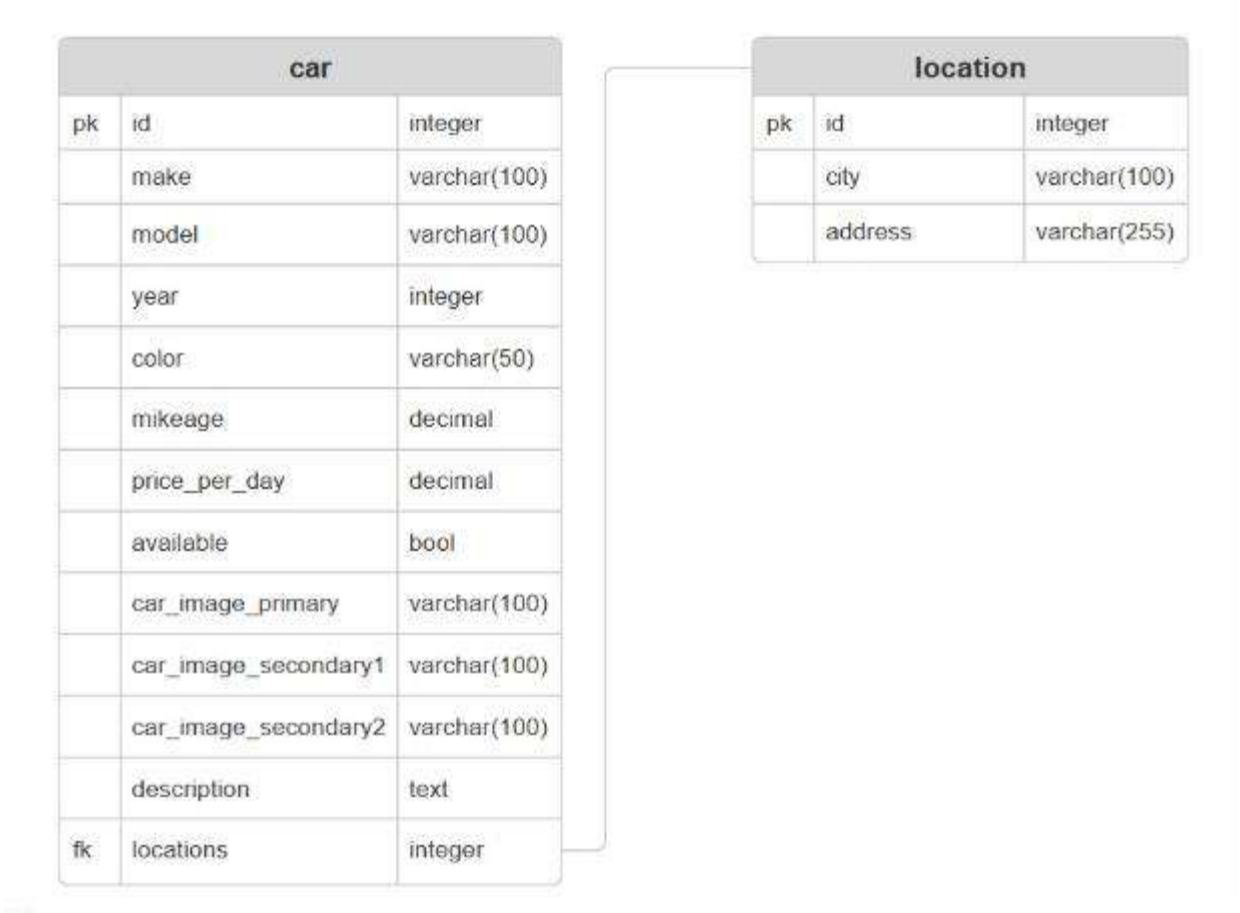
4.3 Data Flow diagram.

4.4 Data base design.

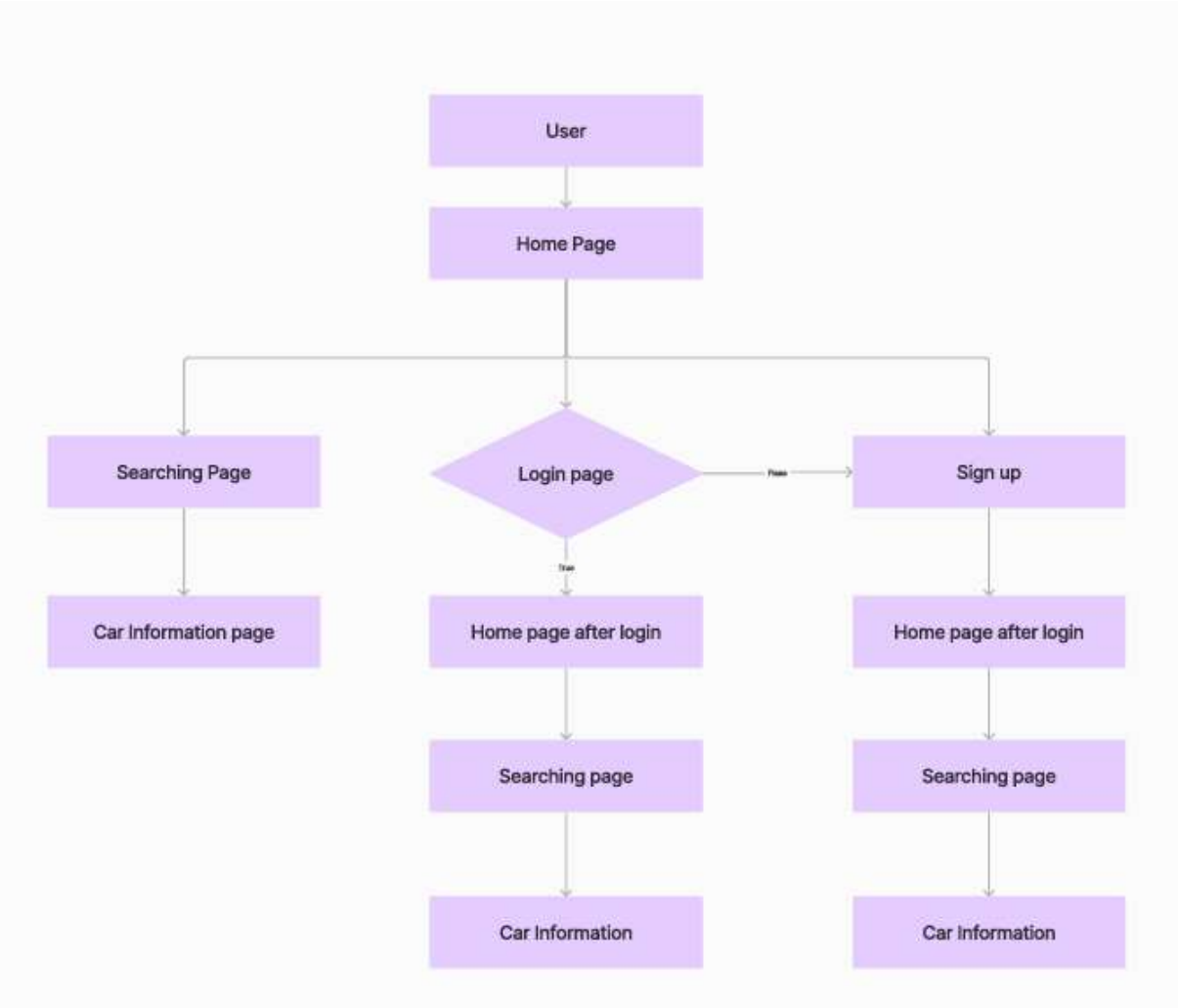
4.1 Structured chart



4.2 ER DIAGRAM:



4.3 Data Flow Diagram



4.4 Database design

db.sqlite3 ▶ home_location

Reset Filters | Records: 13

	id	city	address
	Search column...	Search column...	Search column...
1	1	Bangalore	market
2	2	Mumbai	Mumbai
3	3	Delhi	Delhi
4	4	Chennai	Chennai
5	5	Hyderabad	Hyderabad
6	6	Pune	Maharashtra
7	7	Jaipur	Jaipur
8	8	Lucknow	Lucknow
9	9	Nagpur	Nagpur
10	10	Kota	Kota
11	11	Mysuru	Mysuru
12	12	Tumkuru	Tumkuru
13	13	Sira	Sira(madakasira)

db.sqlite3 ▶ home_car

Reset Filters | Records: 7

	id	make	model	year	color	mileage	price_per_day	available
	Search colum	Search column.	Search column.	Search colur	Search column...	Search column...	Search column...	Search column...
1	2	Ford	Bronco AMT	2021	magma grey	15	6999	1
2	3	Jeep	Compass	2021	black	18	7999	1
3	4	Maruti Suzuki	Ignis (NEXA)	2023	Black (dark edition)	22	2999	1
4	5	Nissan	Sentra	2016	stardust brown	18	3999	1
5	6	Tata Motors	Tiago	2024	funky Orange	24	1999	1
6	7	Toyota	Corolla	2020	White	22	1998	1
7	8	Volkswagen	Golf MK4	2019	Space blue	16	6999	1

Chapter -5

System Implementation

5.1 Coding

5.2 Output screen

5.3 Testing

5.1 Code

#Project folder urls.py

```
from django.contrib import admin
from django.urls import path, include
from home import views
from user_profile import views as user_views
from django.conf import settings
from django.conf.urls.static import static
urlpatterns = [
    path('admin/', admin.site.urls),
    path('__reload__/', include('django_browser_reload.urls')),

    path('', include('home.urls')),
    path('search/', views.searching, name='search'),

    path('user/', include('user_profile.urls')),
    path('UserLog/', user_views.UserLog, name='UserLog'),
    path('user_search/', user_views.user_searching, name='user_searching'),

    path('login/', user_views.Login, name='login'),
    path('signup/', user_views.Signup, name='signup'),
    path('logout/', user_views.Logout, name='logout'),

    path('car/<int:car_id>/', views.car_detail, name='car_details'),
    path('car/make/<str:make>/', views.car_detail_by_make,
        name='car_detail_by_make'),
] + static(settings.MEDIA_URL, document_root=settings.MEDIA_ROOT)
```

#Home urls.py

```
from django.urls import path
from home import views
urlpatterns = [
    path('', views.index, name='home'),
]
```

#Home views.py

```
from django.http import HttpResponseNotFound
from django.shortcuts import render, HttpResponse, get_object_or_404
from .models import Car, Location
# Create your views here.
def index(request):
    return render(request, 'pages/index.html')
def searching(request):
    query = request.GET.get('search')
    destination = request.GET.get('destination')
    start_date = request.GET.get('start_date')
    start_datetime = request.GET.get('start_datetime')
    end_date = request.GET.get('end_date')
    end_datetime = request.GET.get('end_datetime')
    results = Car.objects.all()
    if query:
        results = results.filter(locations__city__icontains=query)
    return render(request, 'pages/search.html', {'results': results, 'query': query, 'destination': destination})
    # return HttpResponse('this is search page')
def car_detail(request, car_id):
    car = get_object_or_404(Car, pk=car_id)
    return render(request, 'pages/car.html', {'car': car})
```

```
def car_detail_by_make(request, make):
    try:
        car = Car.objects.get(make=make)
        return render(request, 'pages/car.html', {'car': car})
    except Car.DoesNotExist:
        return HttpResponseNotFound("Car with make '{}' does not exist.".format(make))
```

#User views.py

```
from django.shortcuts import render, HttpResponse ,redirect
from django.contrib.auth.forms import UserCreationForm
from django.contrib.auth.models import User
from django.contrib.auth import login , logout , authenticate
from django.contrib import messages
from django.db import IntegrityError
from django.contrib.auth.decorators import login_required
from django.http import HttpResponseNotFound
from django.shortcuts import render, HttpResponse, get_object_or_404
from home.models import Car, Location
from django.core.validators import validate_email
from django.core.exceptions import ValidationError
import re
from django.views.decorators.cache import cache_control
# Create your views here.
def Login(request):
    if request.method == 'POST':
        username = request.POST.get('username')
        password = request.POST.get('password')
        user = authenticate(request, username=username, password=password)
        if user is not None:
            login(request, user)
```

```
            return redirect('UserLog')  # Redirect to some logged-in page
        else:
            messages.error(request, 'Invalid username or password.')  # Use error message
            return redirect('login')  # Redirect back to login page
    else:
        return render(request, 'pages/Login.html')  # Render the login page template

@cache_control(no_cache=False, must_revalidate=False, no_store=False)
@login_required(login_url='login')
def UserInfo(request):
    return render(request, 'user/UserInformation.html')

@cache_control(no_cache=False, must_revalidate=False, no_store=False)
@login_required(login_url='login')
def UserLog(request):
    return render(request, 'user/user.html')

def Signup(request):
    if request.method == 'GET':
        return render(request, 'pages/Signup.html', {"form": UserCreationForm()})
    else:
        username = request.POST['username']
        password1 = request.POST['password1']
        password2 = request.POST['password2']

        # Username validation
        if User.objects.filter(username=username).exists():
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Username
already taken'})
        if len(username) < 4:
```

```
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error':
'Username must be at least 4 characters long'})
        if not re.match(r'^[a-zA-Z0-9_]+$', username):
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Username can
only


contain letters, numbers, and underscores'})
        # Check password match
        if password1 != password2:
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Passwords do
not match'})
        # Password validation
        if len(password1) < 8:
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Password must
be at least 8 characters long'})
        if not re.search(r"[A-Z]", password1):
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Password must
contain at least one uppercase letter'})
        if not re.search(r"[a-z]", password1):
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Password must
contain at least one lowercase letter'})
        if not re.search(r"[0-9]", password1):
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Password must
contain at least one digit'})
        if not re.search(r"[\W_]", password1):
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'Password must
contain at least one special character'})
        try:
            user = User.objects.create_user(username, password=password1)
            user.save()
```

```
            login(request, user)
            return redirect('UserLog')
        except IntegrityError:
            return render(request, 'pages/Signup.html', {'form': UserCreationForm(), 'error': 'An error
occurred during signup. Please try again.'})

def Logout(request):
    logout(request)
    return redirect('login')

def user_searching(request):
    query = request.GET.get('search')
    destination = request.GET.get('destination')
    start_date = request.GET.get('start_date')
    start_datetime = request.GET.get('start_datetime')
    end_date = request.GET.get('end_date')
    end_datetime = request.GET.get('end_datetime')
    results = Car.objects.all()
    if query:
        results = results.filter(locations__city__icontains=query)

    return render(request, 'user\search.html', {'results': results, 'query': query, 'destination': destination})

    # return HttpResponse('this is search page')
```

#Home models.py

```
from django.db import models
from django.contrib.auth.models import User
import os
# Create your models here.
class Location(models.Model):
    city = models.CharField(max_length=100)
    address = models.CharField(max_length=255)
    # Other relevant location information

    def __str__(self):
        return self.city

def car_image_path(instance, filename):
    # Get the make, model, and ID of the car
    make = instance.make
    model = instance.model
    car_id = instance.id
    # Extract the image type from the field name
    # Assuming the filename format is '<type>_<original_filename>'
    image_type = filename.split('_')[0]
    # Generate the folder path for the specific car
    car_folder = f"{make}_{model}_car_{car_id}"
    # Generate the filename using make, model, car ID, image type, and the original filename
    if image_type == 'car_image_primary':
        image_order = '1'
    elif image_type == 'car_image_secondary1':
        image_order = '2'
    elif image_type == 'car_image_secondary2':
        image_order = '3'
```

```
  else:
        # Handle other image types if needed
        image_order = 'other'
    filename = f"{make}_{model}_{car_id}_{image_order}_{filename}"
    # Return the path where the file will be uploaded
    return os.path.join('cars', 'images', car_folder, filename)


class Car(models.Model):
    id = models.AutoField(primary_key=True)
    make = models.CharField(max_length=100)
    model = models.CharField(max_length=100)
    year = models.IntegerField()

color = models.CharField(max_length=50)
    mileage = models.DecimalField(max_digits=10, decimal_places=2)
    price_per_day = models.DecimalField(max_digits=10, decimal_places=2)
    description = models.TextField(blank=True)
    available = models.BooleanField(default=True)
    car_image_primary = models.ImageField(upload_to=car_image_path, default='')
    car_image_secondary1 = models.ImageField(
        upload_to=car_image_path, blank=True)
    car_image_secondary2 = models.ImageField(
        upload_to=car_image_path, blank=True)
    locations = models.ManyToManyField(Location, related_name='cars')

    def __str__(self):
        return f"{self.year} {self.make} {self.model}"
```

#Home admin.py

```
from django.contrib import admin
# Register your models here.
from . models import Location, Car, RentalTransaction
admin.site.register(Location)
admin.site.register(Car)
admin.site.register(RentalTransaction)
```

#navbar.html

```
{% extends 'includes/include_base.html' %}
{% load static tailwind_tags %}
{% load static %}
{% block links %}
{% tailwind_css %}

{% endblock %}
{% block content %}
<nav class=" sm:flex sm:justify-center sm:items-center ">
   <div class="top-nav w-full flex justify-between items-start  ">
      <div class="logo ">
         <a href="{% url 'home' %}"><img class="w-[4rem] my-2 sm:ml-[2rem] md:w-[5rem]  xl:w-
[4.5rem] "
            src="{% static 'logos\mainLogo.jpg' %}" alt=""></a></div>
      <div class="menu-i text-[2rem] relative top-[0.5rem] mr-4 sm:hidden ">
         <ion-icon name="menu" id="menu"></ion-icon>
      </div>
   </div>
   <div class="nav-btt   ">
      <div class="nav-list">
         <div class="hidden sm:block ">
```

```
                    <ul class="text-[1.11rem] bg-white  text-[#1c1b1b]  absolute left-0 top-
[4rem] h-[100vh] w-full z-50  ||
                      sm:relative sm:left-0 sm:top-0 sm:bg-transparent sm:text-[0.8rem] sm:h-
full sm:w-[30rem] sm:gap-[1rem] sm:flex sm:justify-between
                    sm:translate-x-0
                      md:relative md:left-0 md:w-[50rem] md:text-[1rem] md:justify-end
                      ">

            <hr class="my-4">
            <li class=" py-3 ml-4  hover:text-[#9960fc] "><a href="{% url 'home'
%}">Home</a></li>
            <li class=" py-3 ml-4  hover:text-[#9960fc] "><a href="{% url 'search'
%}">Search</a></li>
            <hr class="my-4 sm:hidden">
            <li class=" py-3 ml-4  hover:text-[#9960fc] ">Become a host</li>
            <!-- error in login and sign up, when i use url 'Login'  and  url 'Signup'  -->
            <li class=" py-3 ml-4  hover:text-[#9960fc] "><a href="{% url 'login' %}">Log
in</a></li>
            <li class=" py-3 ml-4  sm:mr-[3rem] sm:ml-0 hover:text-[#9960fc] "><a
href="{% url 'signup' %}">Sign
                  up</a></li>
            <hr class="my-4 sm:hidden">
            <li class=" py-3 ml-4  hover:text-[#9960fc] sm:hidden"><a
href="#footer">FAQ</a></li>
            <li class=" py-3 ml-4  hover:text-[#9960fc] sm:hidden"><a
href="#footer">Terms of
                  Services</a>
            </li>
          </ul>
        </div>
```

```
        </div>


    </div>
</nav>
<hr>

{% endblock %}
```

#base.html

```
{% load static tailwind_tags %}
{% load static %}
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>{% block title %} {% endblock %}</title>
    <!-- the linked in external css and script in static -->
    {% block links %}
    <link rel="stylesheet" href="{% static 'home-page/style/style.css' %}">
    <script src="{% static 'home-page\script_for_home\home.js' %}"></script>
    <script src="{% static 'home-page\script_for_home\app.js' %}"></script>
    <link rel="shortcut icon" href="{% static 'logos\swift rides.png' %}" >
    {% endblock %}
    <!-- the external links for font , icon ,  -->
    <script type="module"
src="https://unpkg.com/ionicons@7.1.0/dist/ionicons/ionicons.esm.js"></script>
    <script nomodule
src="https://unpkg.com/ionicons@7.1.0/dist/ionicons/ionicons.js"></script>
    <link rel="preconnect" href="https://fonts.googleapis.com">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
```

```
  <link
href="https://fonts.googleapis.com/css2?family=Playfair+Display:ital,wght@0,400..900;1,400..9
 00&display=swap"  rel="stylesheet">
    <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
    <link
href="https://fonts.googleapis.com/css2?family=Geologica:wght@100..900&display=swap"
rel="stylesheet">
    <script src="https://kit.fontawesome.com/5d4cb69663.js"
crossorigin="anonymous"></script>
    {% tailwind_css %}
 </head>
 <body
    class="max-w-[350px] m-auto | sm:bg-red-00 sm:max-w-[750px] | md:bg-blue-00 md:max-
w-[1010px] | lg:bg-green-00 lg:max-w[1270px] | xl:bg-purple-00 xl:max-w-[1530px] | 2xl:bg-
white overflow-x-hidden ">
    {% include 'includes/navbar.html' %}
    {% block main %}
    {% endblock %}
    {% include 'includes/footer.html' %}
 </body>
 </html>
```

#index.html

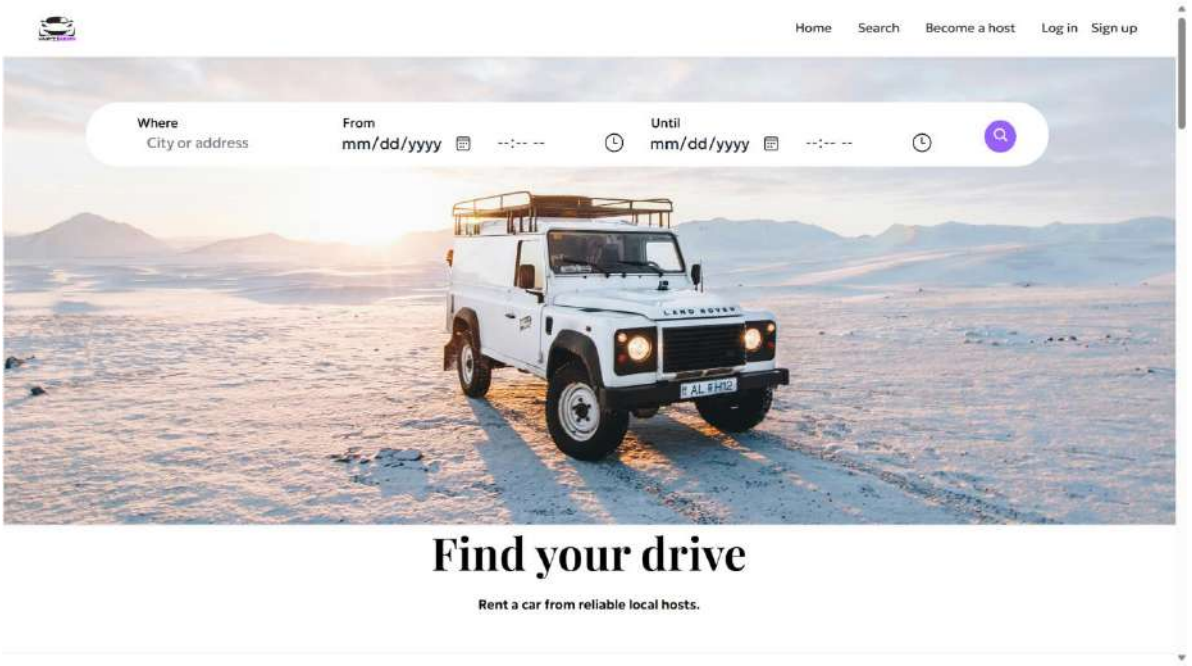
```
{% extends 'pages/basic.html' %}
{% load static tailwind_tags %}
{% block title %} SwiftRides {% endblock %}
{% block links %}
{% load static %}
<link rel="stylesheet" href="{% static 'home-page/style/style.css' %}">
<script src="{% static 'home-page\script_for_home\home.js' %}"></script>
<script src="{% static 'home-page\script_for_home\app.js' %}"></script>
<link rel="shortcut icon" href="{% static 'logos\mainlogo.jpg' %}" type="image/x-icon">
{% endblock %}
{% block main %}
<main class="select-none">
   <section id="hero">
      <div class="searching  ">
         <div class="form bg-white  absolute top-24 ml-4 rounded-lg w-[20rem] z-10 sm:top-[6rem] sm:max-[750px] sm:w-[90vw] sm:ml-[2rem] sm:rounded-full md:top-[7rem] lg:w-[75vw]   xl:w-[75rem]  xl:ml-[5rem] xl:translate-x-[1.5rem] xl:translate-y-[1rem]">
            <form action="/search" method="get" id="searchForm"
               class="relative m-2 sm:flex sm:text-center lg:w-[70vw] xl:w-[90vw] xl:left-[3rem] xl:top-[0.4rem]">
               <label for="address" class="absolute text-[0.9rem] sm:ml-2 md:text-[1rem]">Where</label>
               <input name="search" id="search" type="search" class="address w-full rounded-md border-0 pt-4  text-gray-900 focus:ring-2 focus:ring-inset focus:ring-transparent focus:border-none sm:w-[10rem] sm:h-[2rem] sm:mt-3 sm:ml-2 sm:mr-0 outline-none md:w-[10rem] md:text-[1.1rem] xl:w-[15rem] xl:h-[2.5rem] " placeholder="City,address or hotel"> <br>
            <label for="date_from"
                  class="absolute sm:translate-x-[11.4rem] text-[0.9rem] md:text-[1rem] lg:translate-x-[11.5rem] xl:translate-x-[16.5rem]">From</label>
```

```
<input type="date" name="start_date" id="date_from" class="h-8 w-[9rem] my-4 rounded-md  pt-4 text-gray-900  placeholder:text-gray-400 focus:ring-inset focus:ring-transparent focus:border-none border-none outline-none  p-[14px] translate-y-1 sm:w-[15rem] sm:h-[2rem] sm:mt-4   md:text-[1.2rem]  xl:w-[12rem] ">
            <input type="time" name="start_datetime" id="time_from" class="h-8 w-[9rem] my-4 rounded-md  p-[14px] translate-y-1 pt-4 text-gray-900  placeholder:text-gray-400 focus:ring-inset focus:ring-transparent focus:border-none border-none outline-none  sm:w-[15rem] sm:h-[2rem] sm:mt-4  md:text-[1.2rem] md:p-[1rem]  xl:w-[12rem]   ">
            <br>
            <label for="date_until"
               class="absolute sm:translate-x-[25.5rem] text-[0.9rem] md:text-[1rem] md:translate-x-[32rem] lg:translate-x-[30rem] xl:translate-x-[40.5rem]">Until</label>
            <input type="date" name="end_date" id="date_until" class="h-8 w-[9rem] my-4 rounded-md p-[14px] translate-y-1 pt-4 text-gray-900   focus:ring-inset focus:ring-transparent focus:border-none border-none outline-none sm:w-[15rem] sm:h-[2rem] sm:mt-4   md:text-[1.2rem]  xl:w-[12rem]">
<input type="time" name="end_datetime" id="time_until" class="h-8 w-[9rem] my-4 rounded-md p-[14px] translate-y-1 pt-4 text-gray-900  focus:ring-inset focus:ring-transparent focus:border-none border-none outline-none sm:w-[15rem] sm:h-[2rem] sm:mt-4  md:text-[1.2rem] md:p-[1rem]  xl:w-[12rem] ">
            <br>
            <hr>
            <div class="btt w-full text-center my-2  sm:w-14 sm:pl-4 ">
               <button type="submit" class="w-full h-10 text-6 text-white font-bold  bg-[#9960fc] hover:bg-transparent hover:border-solid hover:border-2 hover:border [#9960fc] hover:text-[#9960fc] sm:w-10 sm:rounded-full xl:mr-10 xl:translate-x-[2rem]  ">
                  <span class="block sm:hidden  ">Search for cars</span>
                  <span class="hidden sm:block sm:text-[1.3rem] sm:pt-1"><ion-icon name="search"
                        id="search"></ion-icon></span>
               </button>
            </div>
```

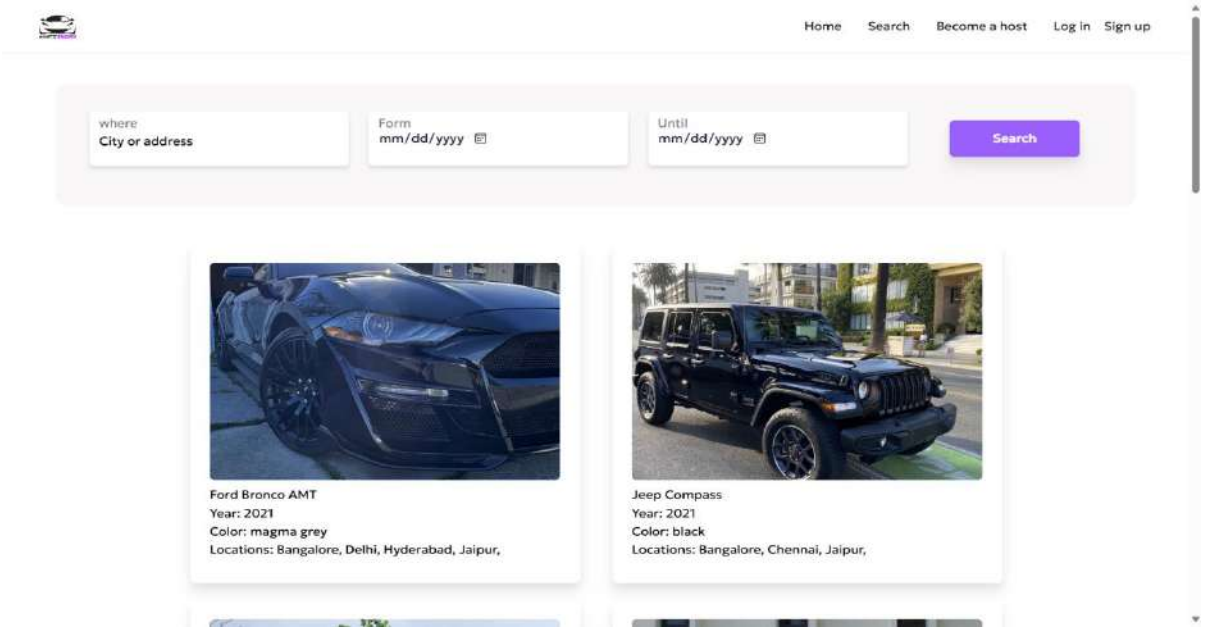
```
</form>
        </div>
        <div class="hero ">
            <div class="hero-img relative">
                <img class="object-cover h-[76vh] w-full rounded-lg shadow overflow-hidden sm:rounded-none sm:max-[760px] sm:w-[768px] sm:object-cover sm:h-[72vh] md:w-[1270px] md:h-[69vh] lg:max-w-[1500px] lg:h-[64vh] lg:relative lg:left-[-9rem] xl:relative xl:left-[0.1rem] xl:max-w-[1800px] xl:w-full xl:h-[70vh] " src="static/home-page/hero-sec/main-img.jpg" alt="">
            </div>
            <div class="hero-txt w-full text-center mt-[-1rem] ">
                <h1 class="text-[2.5rem] mt-4 sm:text-[3.5rem] font-[650] sm:mt-2 google_font">Find your drive</h1>
                <p class="text-[1rem]  font-semibold mt-5 sm:m-3 ">Rent a car from reliable local hosts.</p>
            </div>
        </div>
    </div>
  </section>
</body>
</html>
```

5.2 Output Screen

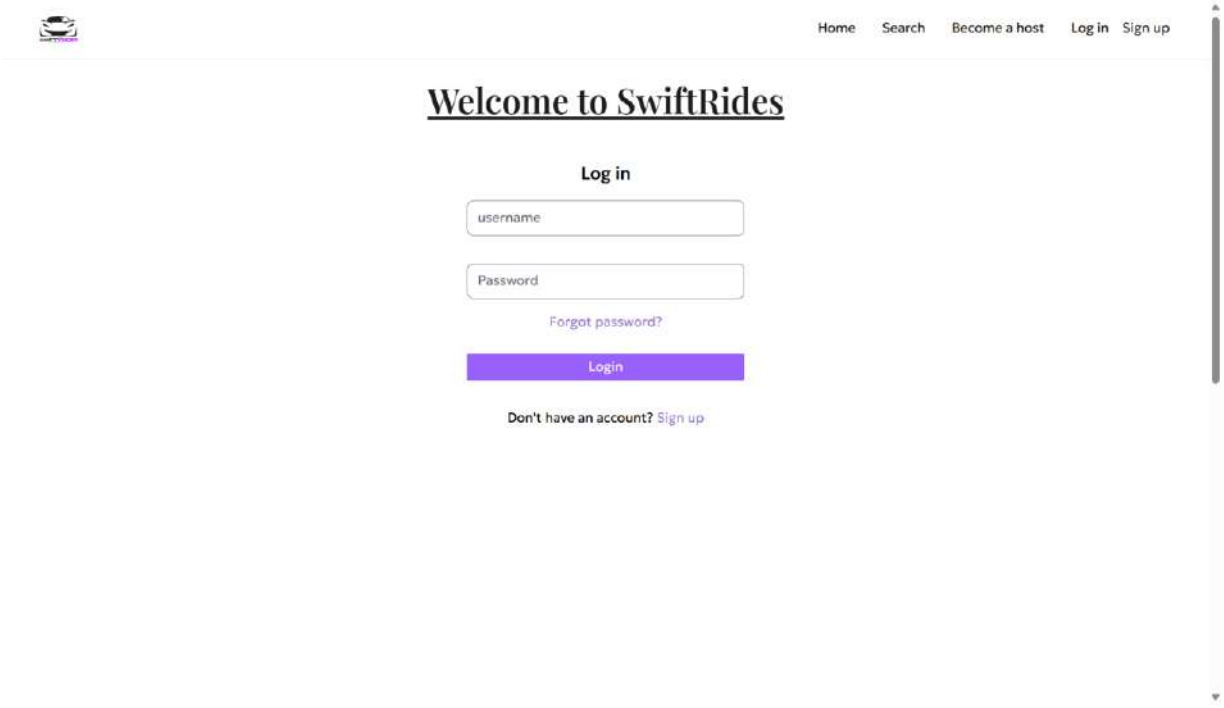
Home page:



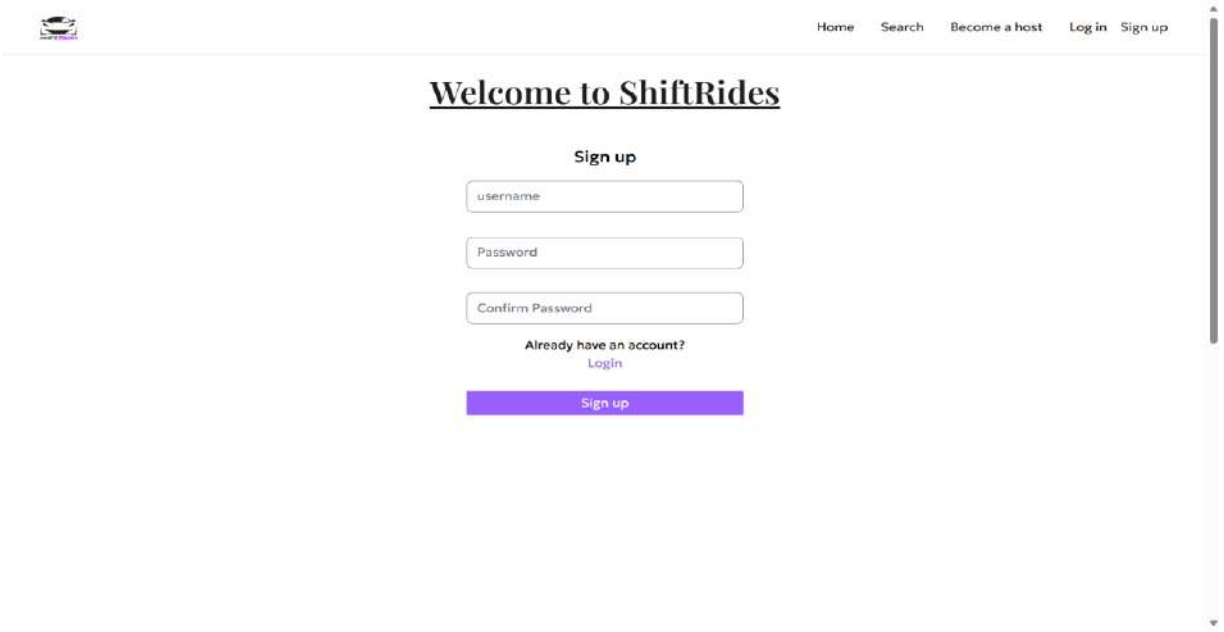
Search page:



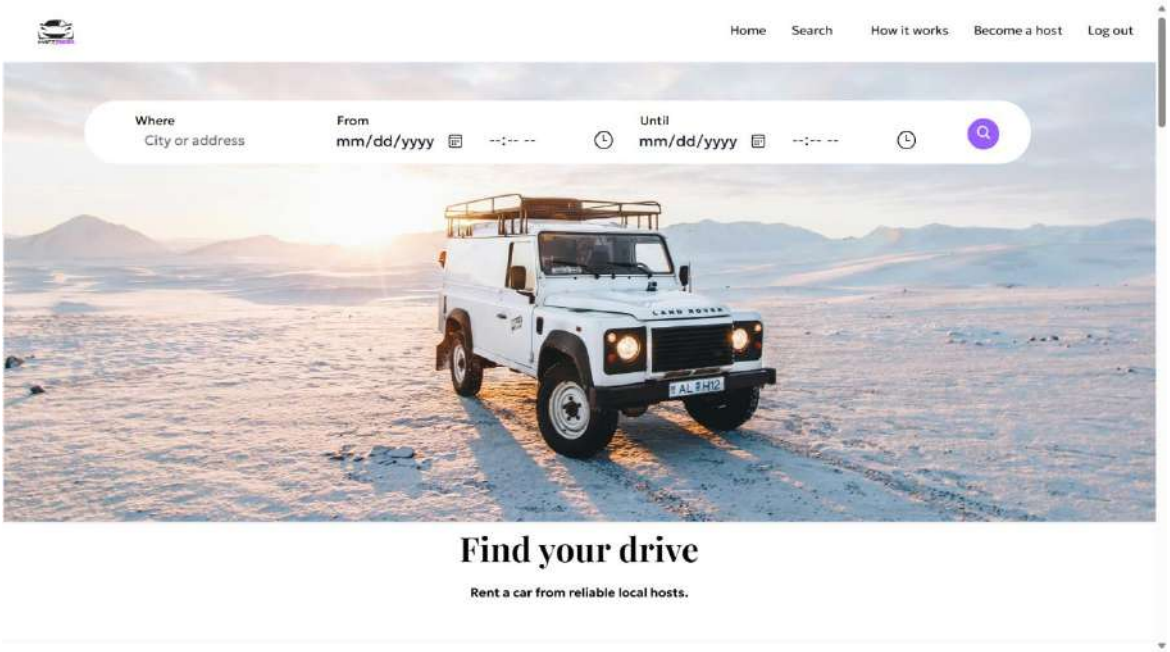
Login page:



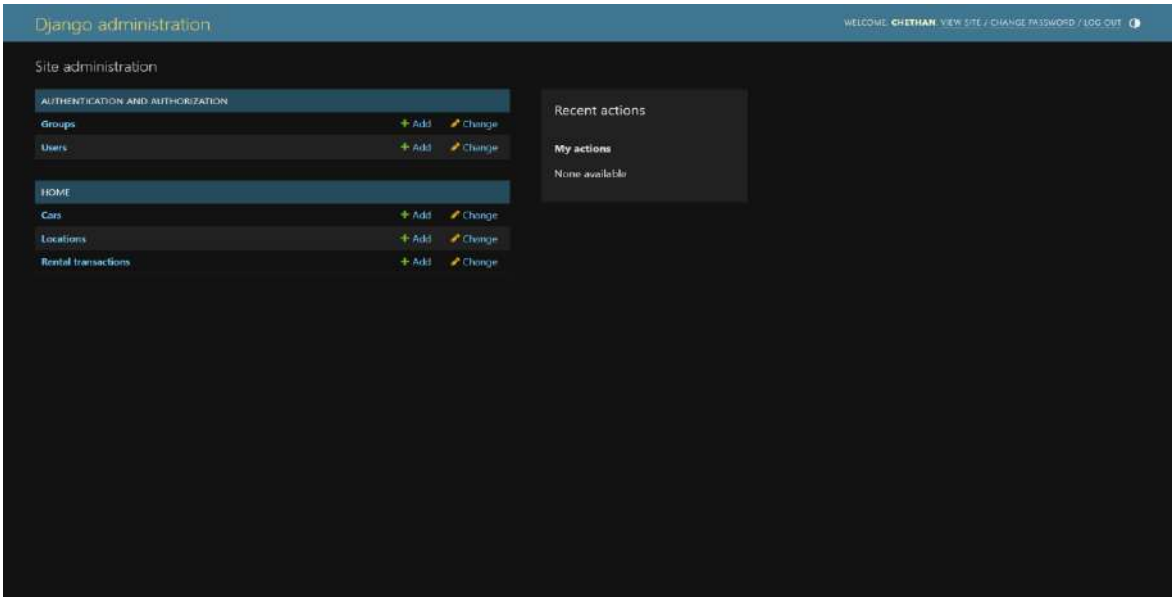
Sign up page:



After Login page:



Admin Panel Overview page:



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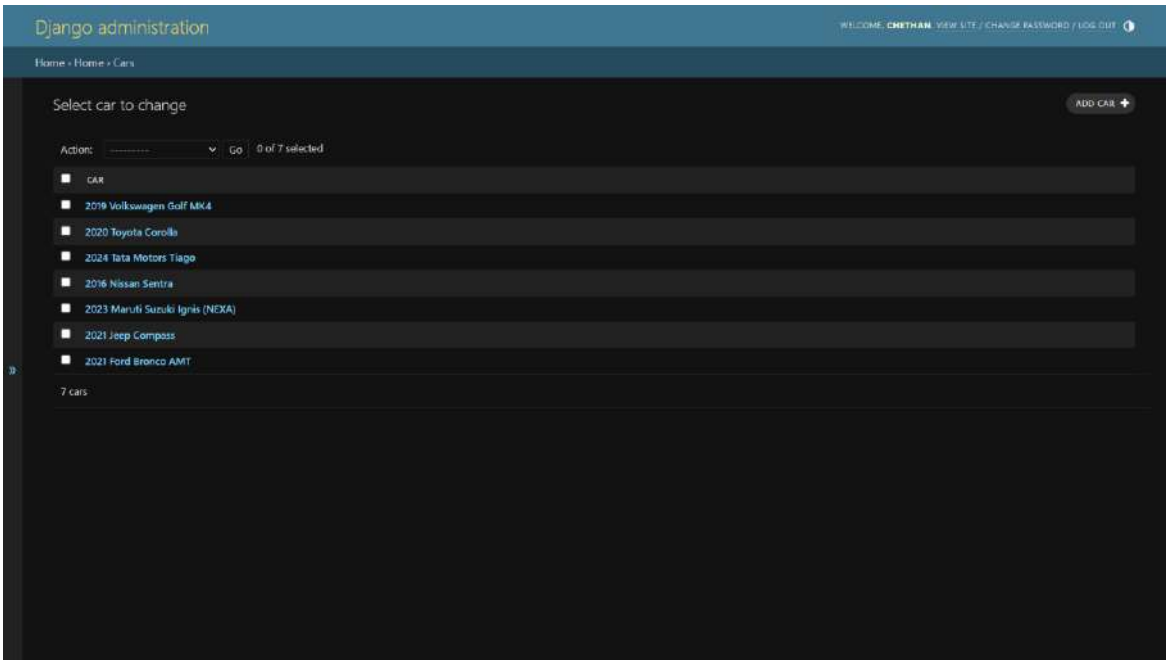
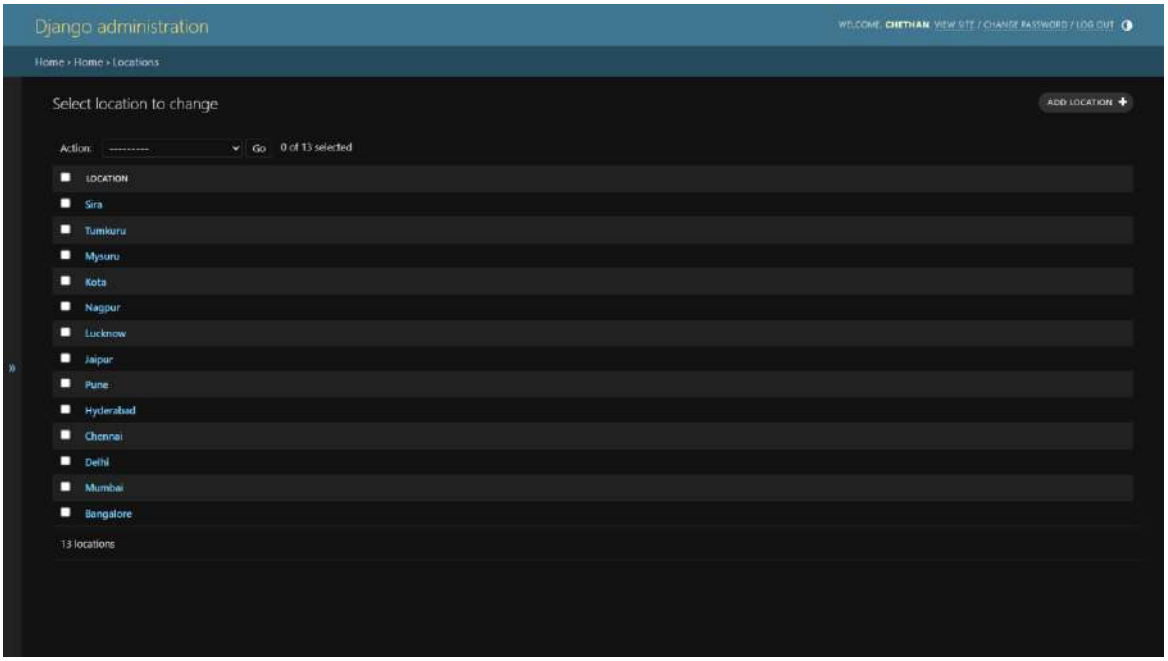


Location model view for Admin:



5.3 Testing

The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check thefunctionality of components, sub-assemblies, assemblies and/or a finished product It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner. There are various types of test. Each test type addresses a specific testing requirement. For a project like Swift Rides, which involves a complex web application with various user interactions and backend processes, **integration testing** would be one of the best testing methods to implement. Here's why:

Integration Testing

Integration testing focuses on testing how different modules or components of the system work together as a whole. In the context of Swift Rides:

- **System Integration**: Tests how various modules (such as user interface, database interactions) integrate and function together.
- **API Integration**: Ensures that APIs integrate correctly with the application and handle data exchange securely and efficiently.
- **Database Integration**: Verifies that data flows correctly between the application and databases (e.g., storing user profiles, managing vehicle inventory) without data loss or corruption.
- **User Interface Integration**: Checks that the front-end components interact correctly with backend services and data, ensuring a seamless user experience.
- **Comprehensive Coverage**: Tests the entire system and its interactions, identifying issues that may not be caught by unit tests alone.
- **Realistic Scenarios**: Mimics real-world scenarios, including how different parts of the application interact during user interactions and transactions.

- **Early Detection of Issues**: Helps detect integration issues early in the development cycle, reducing debugging time and costs.

- **Improved Reliability**: Ensures that the application functions correctly as a unified system, enhancing overall reliability and user satisfaction.

Implementation Tips

- **Automated Testing**: Use automated tools and scripts to perform integration tests regularly, ensuring consistent and thorough testing.
- **Mocking and Stubs**: Utilize mocks or stubs for external dependencies (like APIs) to simulate behaviors and control test scenarios effectively.
- **Test Environments**: Set up dedicated test environments that closely mirror the production environment to simulate real-world conditions accurately.

By implementing integration testing as a core testing method for Swift Rides, you can ensure that the entire application works seamlessly together, providing a robust and reliable experience for users.

Chapter - 6

Conclusion

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6.2 Future Enhancement
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6.1 Conclusion

Swift Rides represents a modern and user-centric approach to car rental services, leveraging advanced technologies to provide a seamless online platform. With a focus on intuitive user interfaces, robust backend systems, secure payment gateways, and comprehensive integration with third-party services, Swift Rides aims to enhance customer satisfaction and operational efficiency. By adopting agile development practices, continuous improvement through user feedback, and adherence to industry standards, Swift Rides is poised to deliver a reliable and scalable solution that meets the diverse needs of its users in the competitive car rental market.

6.2Future Enhancements

For future enhancements, We have plans on implementing a UPI gateway integrated with other payments like Debit/Credit cards, Net-banking and others A unified Payment Dashboard(under development). Customer Review / Feedback / Ratings Dashboard. Recommendation engine for greater usage of application. Implementation of AI, ML to expanding in larger communities.

6.3Bibliography

- www.github.com
- www.thecleverprogrammer.com
- www.researchgate.net
- www.geeksforgeeks.com
- http://www.w3schools.com

Bangalore University

Project Report On

ACCESS CONTROLS AND DEDUPLICATION IN MULTIMEDIA CLOUD COMPUTING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submittedby

LAVANYA.S

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Undertheguidanceof

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Project Report On

CAR PARKING SPACE FINDER

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. VIJAY KUMAR AS**, Head of the Department and my guide **Professor MANOJ KUMAR N** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
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Project Report On

TOURISM MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

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I would like to mention my sincere gratitude to **Mr. Vijay Kumar A.S** , Head of the Department and my guide **Professor Anuradha S** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

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Project Report On

EVENT MANAGEMENT SYSTEM

Submitted in partial fulfilment of the requirement of the award of

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THANK YOU.

MANJUNATH

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Project Report On

NEWS AGGREGATOR USING DJANGO FRAMEWORK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S**, Head of the Department and my guide **Prof. Nagasuma C V** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

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The Project work entitled **COLLEGE MANAGEMENT SYSTEM** is based on work carried out by **NANDHAN CC** during the course of study under the supervision of **Prof. Nagasuma C V** . I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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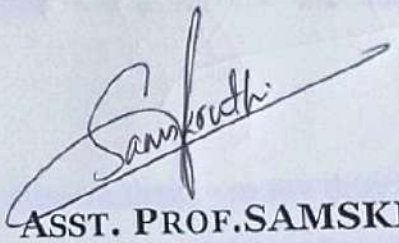

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ACKNOWLEDGEMENT

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I would like to mention my sincere gratitude to **Prof. Vijay Kumar**, Head of the Department and my guide **Asst. Professor Anuradha S** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

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THANK YOU,
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Bangalore University

Project Report On

SOUL SPECTRUM WEBSITE DEVELOPMENT

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Pavithra.S

U03KU21S0033

Under the guidance of

Prof. Swamy MR

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SOUL SPECTRUM WEBSITE DEVELOPMENT

Submitted in partial fulfilment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-24

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DECLARATION OF GUIDE

The Project work entitled **SOUL SPECTRUM WEBSITE DEVELOPMENT** based on work carried out by **PAVITHRA S** during the course of study under the supervision of **Professor Swamy MR** . I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2022-24.

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ACKNOWLEDGEMENT

I extend my deepest gratitude to all those who played a vital role in the success of this venture. Their constructive feedback and encouraging words were essential in bringing this project to life. This achievement would not have been possible without their unwavering support and guidance.

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THANK YOU
PAVITHRA.S

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Project Report On

EVENT MANAGEMENT SYSTEM

Submitted in partial fulfilment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

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POORNACHANDRA

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Project Report On

BIG BASKET STORE

Submitted in partial fulfillment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

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The Project work entitled**BIG BASKET STORE** is based on work carried out by **PRAJWAL A** during the course of study under the supervision of **Asst. Professor ANURADHA.S**I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

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Project Report On

VOTING WEB APPLICATION USING DJANGO AND CLOUD

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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Project Report On

Twitter Sentiment Analysis

Submitted in partial fulfilment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

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CHAPTER – 1
INTRODUCTION

1.1 Introduction
1.2 Statement of the problem
1.3 Objective of the study
1.4 Scope of the study
1.5 Feasibility study

1.1 Introduction

The rapid proliferation of social media platforms has transformed the way people communicate, share information, and express opinions. Among these platforms, Twitter stands out due to its widespread use and real-time nature. With millions of tweets posted daily, Twitter serves as a rich source of data for sentiment analysis, providing insights into public opinion on a variety of topics, ranging from political events to consumer preferences.

Sentiment analysis, also known as opinion mining, is a subfield of natural language processing (NLP) that focuses on determining the sentiment expressed in a piece of text. This involves classifying text into predefined sentiment categories, such as positive, negative, or neutral. By applying sentiment analysis to tweets, businesses and organizations can gain valuable insights into customer satisfaction, market trends, and public reactions, enabling them to make data-driven decisions.

1.2 Statement of the problem

With the explosion of user-generated content on social media platforms like Twitter, there is a growing need for automated systems that can analyze and interpret large volumes of textual data. Traditional methods of understanding public opinion, such as surveys and focus groups, are often time-consuming, costly, and limited in scope. Sentiment analysis offers a scalable and efficient solution to this challenge by automatically classifying text based on the sentiments expressed.

Key Problems Addressed:

- Understanding Public Sentiment
- Real-time Analysis
- Textual Data Complexity
- Sentiment Classification Accuracy
- Scalability and Efficiency

1.3 Objective of the study

The primary objective of this study is to develop a robust and efficient machine learning model for sentiment analysis of tweets. Sentiment analysis is crucial for understanding public opinion and emotions expressed on social media platforms like Twitter. By categorizing tweets into positive, negative, and neutral sentiments, the study aims to provide valuable insights that can aid in decision-making across various domains such as marketing, customer service, and political analysis.

Ensuring the scalability and efficiency of the developed model is another key objective. The model must be capable of handling large volumes of tweets in real-time, making it suitable for dynamic environments where timely insights are crucial. Optimizing the computational efficiency of the model is essential to enable rapid processing and analysis of tweet data.

Finally, the study identifies potential areas for future research and improvements. This includes incorporating more advanced NLP models like BERT or expanding the dataset for greater diversity. By achieving these objectives, the study aims to provide a comprehensive solution for sentiment analysis on Twitter, enabling organizations to leverage social media data for informed decision-making and strategic planning.

1.4 Scope of the study

The scope of this study encompasses the comprehensive development and evaluation of a machine learning model for sentiment analysis of tweets. This involves multiple stages, from data collection to model deployment, each contributing to the overall goal of accurately classifying tweet sentiments into positive, negative, or neutral categories.

The scope of the study ensures a comprehensive approach to developing a robust sentiment analysis model for Twitter data. The ultimate goal is to provide a valuable tool for organizations to leverage social media data for actionable insights and informed decision-making.

1.5 Feasibility study

Developing a machine learning model for sentiment analysis of tweets requires careful consideration of various feasibility aspects to ensure successful implementation. This feasibility study evaluates the technical, operational, economic, and schedule feasibility of the project, providing a comprehensive understanding of its viability.

TECHNICAL FEASIBILITY

The technical feasibility of the project is promising due to the availability of advanced tools and technologies. Python, a powerful and versatile programming language, offers an extensive range of libraries and frameworks essential for data analysis and machine learning, such as Pandas, Numpy, Scikit-learn, NLTK, and TensorFlow. Additionally, the Twitter API provides a straightforward and well-documented method for collecting a large volume of tweets, with libraries like tweepy simplifying the data fetching process. Modern NLP techniques and machine learning algorithms, including logistic regression, Naive Bayes, SVM, and advanced models like BERT, are readily available for sentiment analysis. Furthermore, the project's scalability is ensured through the use of cloud-based platforms like AWS, Azure, or Google Cloud, which offer the necessary computational resources to handle large datasets and complex models efficiently.

OPERATIONAL FEASIBILITY

Operational feasibility is supported by the project's alignment with the expertise and resources available within a typical data science team. The project requires knowledge of Python programming, data preprocessing, machine learning, and NLP, skills commonly found among data scientists and software engineers. Any gaps in expertise can be addressed through various online courses, tutorials, and documentation available for the tools and technologies used. The implementation plan includes well-documented libraries and frameworks, making the project accessible to team members with varying levels of experience. Additionally, regular updates and strong community support for the

chosen libraries and platforms ensure ongoing maintenance and troubleshooting are manageable, enhancing the project's operational feasibility.

ECONOMIC FEASIBILITY

Economic feasibility is evaluated through a comprehensive cost analysis and cost-benefit analysis. The primary costs involve hardware (computers), software (potential subscriptions to cloud services), and possibly training resources. Many of the tools and libraries, such as Python, Scikit-learn, and NLTK, are open-source and free, reducing initial investment costs. Ongoing operational costs may include cloud computing services for data storage and processing, particularly if dealing with large data volumes or requiring high computational power for model training. The benefits derived from sentiment analysis, such as improved customer satisfaction, better market strategies, and more informed decision-making, can significantly outweigh these costs. The potential return on investment, driven by enhanced market understanding and customer engagement, indicates strong economic viability.

SCHEDULE FEASIBILITY

Schedule feasibility is assessed by outlining a detailed project timeline and resource allocation plan. The project is divided into distinct phases: data collection, preprocessing, feature extraction, model development, evaluation, and deployment, each with clear milestones to track progress. Based on task complexity, the project is estimated to take several months. Data collection and preprocessing may take a few weeks, while model development and evaluation could take several months, depending on the chosen complexity and methods. A well-structured team of data scientists, software engineers, and project managers can ensure efficient workflow and timely completion. The project plan also includes buffer time for unexpected delays and iterative improvements, allowing for flexibility in the schedule and further supporting schedule feasibility.

CHAPTER – 2
SYSTEM STUDY

2.1 Problem Statement

2.2 Existing system

2.3 Proposed system

2.4 Advantages of Proposed system

2.5 System Design

2.6 Methodology

2.1 Problem Statement

The rise of social media platforms like Twitter has created vast amounts of data that can provide valuable insights into public opinion, trends, and sentiments. However, manually analyzing this data is impractical due to its volume and velocity. There is a need for an automated system that can efficiently analyze tweets and determine their sentiment (positive, negative, or neutral). This automated sentiment analysis can aid businesses in understanding customer feedback, monitoring brand reputation, and making informed decisions based on real-time data.

2.2 Existing system

Currently, most sentiment analysis on social media is performed using either manual methods or basic automated tools. These existing systems have several limitations:

- **Manual Analysis:** This approach is time-consuming, labor-intensive, and not scalable. Human analysts can only process a limited number of tweets, making it impractical for large datasets.
- **Basic Automated Tools:** Some existing automated tools use simple keyword-based approaches or basic machine learning models that often fail to capture the context and nuances of human language. These tools may provide inaccurate sentiment classifications, especially in cases involving sarcasm, slang, or complex linguistic structures.

2.3 Proposed system

The proposed system aims to address the limitations of existing methods by leveraging advanced machine learning techniques and natural language processing (NLP) to develop a robust sentiment analysis model. The new system will automate the entire process, from data collection to sentiment classification and insight extraction.

- **Automated Data Collection:** Using the Twitter API, the system will automatically fetch tweets based on specified keywords, hashtags, or topics.

- **Advanced Text Preprocessing:** The system will employ sophisticated text preprocessing techniques to clean and standardize the tweet data, ensuring high-quality input for the sentiment analysis model.
- **Machine Learning Models:** The system will use state-of-the-art machine learning algorithms and NLP models to accurately classify tweet sentiments.
- **Real-Time Analysis:** The system will be capable of processing and analyzing tweets in real-time, providing up-to-date insights.

2.4 Advantages of Proposed system

The proposed system offers several advantages over existing methods by leveraging advanced machine learning and natural language processing (NLP) techniques:

- **Scalability and Efficiency:** The system automates data collection and analysis, allowing it to handle large volumes of tweets quickly and efficiently.
- **Accuracy:** By using state-of-the-art machine learning models and NLP techniques, the proposed system can accurately capture and interpret the nuances of human language, including sarcasm, slang, and context.
- **Real-Time Analysis:** The system can process and analyze tweets in real-time, providing up-to-date insights that are critical for timely decision-making.
- **Consistency:** Automated sentiment analysis ensures consistent results, free from human bias and subjectivity.
- **Adaptability:** The system can be easily updated and retrained with new data, making it adaptable to evolving language patterns and trends on Twitter.

2.5 System Design

System analysis involves a detailed examination of the current processes, identifying requirements, and designing the new system to meet those requirements effectively. This phase ensures that all aspects of the system are thoroughly understood and planned before development begins.

- **Current Process Analysis:** Examine the existing methods of sentiment analysis, identifying their workflow, tools used, and limitations.
- **Requirement Gathering:** Collect requirements from stakeholders to understand the needs and expectations from the new system. This includes hardware, software, data, and performance requirements.
- **Gap Analysis:** Identify the gaps between the current system capabilities and the desired functionalities of the new system. This helps in understanding what improvements are needed.
- **System Specifications:** Define detailed specifications for the new system, including data collection, preprocessing, feature extraction, model building, evaluation, and reporting.

2.6 Methodology

The methodology outlines the systematic approach to be followed in developing the sentiment analysis system. It ensures that each phase of the project is well-planned and executed.

1. **Data Collection:**
    - **Twitter API Setup:** Obtain API keys and set up access to the Twitter API using the tweepy library.
    - **Tweet Fetching:** Collect tweets based on specific keywords, hashtags, or topics, and store them in a structured format (e.g., CSV, database).
2. **Data Preprocessing:**
    - **Text Cleaning:** Remove noise from the text data, including URLs, mentions, hashtags, and special characters.
    - **Normalization:** Convert text to lowercase, remove stop words, and apply stemming and lemmatization to standardize the text.
3. **Feature Extraction:**
    - **Vectorization:** Transform text data into numerical features using techniques like Bag of Words (BoW), Term Frequency-Inverse Document Frequency (TF-IDF), or word embeddings (Word2Vec, GloVe).

4. **Model Building:**
   - **Algorithm Selection:** Choose appropriate machine learning algorithms for sentiment classification, such as logistic regression, Naive Bayes, support vector machines (SVM), and advanced models like BERT.
   - **Model Training:** Train the selected models on the preprocessed and vectorized tweet data.
   - **Hyperparameter Tuning:** Optimize model performance by tuning hyperparameters.
5. **Model Evaluation:**
   - **Performance Metrics:** Evaluate the models using metrics like accuracy, precision, recall, and F1-score.
   - **Confusion Matrix:** Analyze the confusion matrix to understand classification errors and improve model accuracy.
6. **Deployment:**
   - **Model Integration:** Integrate the trained model into a production environment, making it accessible for real-time sentiment analysis.
   - **User Interface:** Develop a user-friendly interface for end-users to interact with the system and view sentiment analysis results.
7. **Monitoring and Maintenance:**
   - **Performance Monitoring:** Continuously monitor the system's performance and accuracy.
   - **Regular Updates:** Perform regular updates and retraining of the model to adapt to new data and trends.

CHAPTER – 3
SYSTEM REQUIREMENTS

3.1 Hardware Requirements

3.2 Software Requirements

3.3 Data Requirements

3.4 Security and Compliance Requirements

3.1 Hardware Requirements

To handle the computational demands of data processing and machine learning model training, the following hardware specifications are recommended:

- **Computing Power:**
  - A modern computer with a multi-core processor (e.g., Intel i5/i7 or AMD Ryzen).
  - At least 8GB of RAM; 16GB or more is preferable for handling larger datasets and more complex models.
  - A dedicated GPU (Graphics Processing Unit) such as NVIDIA's CUDA-enabled GPUs for accelerating machine learning computations (optional but beneficial).
- **Storage:**
  - Sufficient storage space (at least 500GB) for storing datasets, intermediate files, and model artifacts.
  - High-speed SSDs (Solid State Drives) are recommended for faster data access and processing.
- **Network:**
  - A reliable internet connection for accessing the Twitter API and cloud services.

3.2 Software Requirements

The project requires a robust software stack, including programming environments, libraries, and tools for data analysis and machine learning:

- **Programming Language:**
  - Python 3.8 or later is recommended due to its extensive libraries and community support for data science and machine learning tasks.
- **Development Environment:**
  - Anaconda distribution for managing Python environments and dependencies.
  - Integrated Development Environment (IDE) such as Jupyter Notebook, PyCharm, or Visual Studio Code.

- **Libraries and Frameworks:**
  - **Data Manipulation and Analysis:**
    - Pandas for data manipulation and analysis.
    - Numpy for numerical computations.
  - **Natural Language Processing (NLP):**
    - NLTK (Natural Language Toolkit) for text preprocessing and basic NLP tasks.
    - SpaCy for advanced NLP processing.
  - **Machine Learning:**
    - Scikit-learn for traditional machine learning algorithms and utilities.
    - TensorFlow or Keras for deep learning models and neural networks.
  - **API Access:**
    - Tweepy for accessing the Twitter API and fetching tweets.
- **Visualization:**
  - Matplotlib and Seaborn for data visualization.
  - Plotly for interactive visualizations.

3.3 Data Requirements

Data is a critical component of the sentiment analysis project. The following data requirements must be met:

- **Training Data:**
  - A labeled dataset of tweets with sentiment annotations (positive, negative, neutral) for training the machine learning model.
  - Publicly available datasets like the Sentiment140 dataset or manually labeled data can be used.
- **Live Data:**
  - Access to real-time tweets fetched using the Twitter API based on specified keywords, hashtags, or topics relevant to the analysis.

3.4 Security and Compliance Requirements

Considering the sensitivity and privacy of user data, the system must comply with relevant security and data protection regulations:

- **Data Privacy:**
  - Ensure compliance with data protection laws like GDPR (General Data Protection Regulation) and CCPA (California Consumer Privacy Act).
  - Implement data anonymization techniques to protect user identity.
- **Security Measures:**
  - Secure storage of API keys and credentials.
  - Use encrypted connections (HTTPS) for data transmission.
  - Regular security audits and updates to prevent vulnerabilities.

CHAPTER – 4
SYSTEM DESIGN

4.1 System architecture

4.2 Data Flow

4.3 Component Interaction

4.4 System diagram design

4.1 System architecture

The architecture of the sentiment analysis system comprises several interconnected modules that work together to process tweets, analyze sentiment, and present insights. The primary components of the system include:

1. **Data Collection Module:**
   - Utilizes the Twitter API to fetch tweets based on specified keywords, hashtags, or topics.
   - Stores the collected tweets in a suitable format (e.g., CSV, database).
2. **Data Preprocessing Module:**
   - Cleans and preprocesses the raw tweet data by removing noise (e.g., URLs, mentions, hashtags, special characters).
   - Normalizes the text by converting it to lowercase and removing stop words.
   - Applies stemming and lemmatization to standardize the text.
3. **Feature Extraction Module:**
   - Transforms the preprocessed text data into numerical features using techniques such as Bag of Words (BoW), Term Frequency-Inverse Document Frequency (TF-IDF), or word embeddings (e.g., Word2Vec, GloVe).
4. **Model Building Module:**
   - Implements and trains various machine learning algorithms for sentiment classification, such as logistic regression, Naive Bayes, support vector machines (SVM), and deep learning models.
   - Performs hyperparameter tuning to optimize model performance.
5. **Model Evaluation Module:**
   - Assesses the performance of the trained models using evaluation metrics such as accuracy, precision, recall, and F1-score.
   - Analyzes the confusion matrix to understand classification errors.
6. **Insights and Reporting Module:**
   - Extracts meaningful insights from the sentiment analysis results.
   - Generates reports and visualizations to present the findings in a user-friendly manner.

4.2 Data Flow

The data flow in the sentiment analysis system involves several steps, from data collection to the presentation of insights. The key stages of the data flow are:

1. **Input:**
   - Raw tweets fetched from Twitter using the Data Collection Module.
2. **Processing:**
   - Data cleaning and preprocessing in the Data Preprocessing Module.
   - Feature extraction in the Feature Extraction Module.
3. **Analysis:**
   - Sentiment classification using machine learning models in the Model Building Module.
   - Model evaluation and performance assessment in the Model Evaluation Module.
4. **Output:**
   - Sentiment-labeled tweets and extracted insights.
   - Reports and visualizations generated by the Insights and Reporting Module.

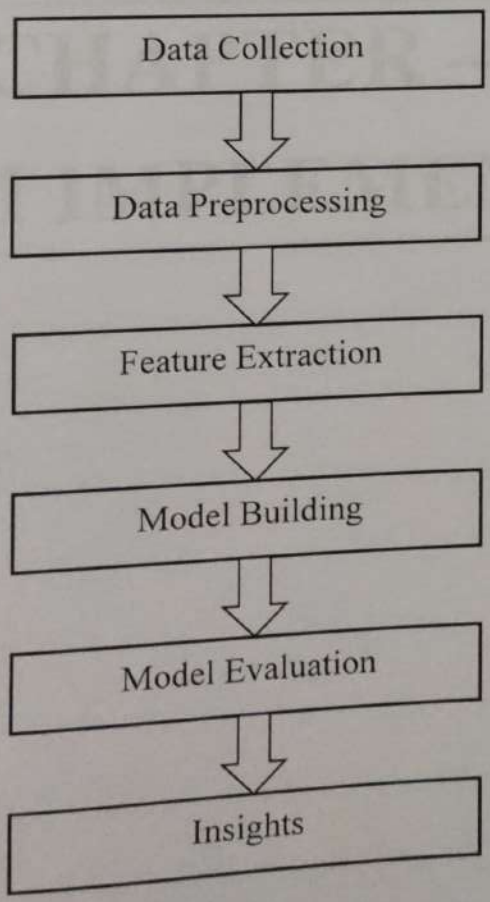
4.3 Component Interaction

The interaction between different components of the system is crucial for seamless data processing and analysis. The following interactions are defined:

1. **Data Collection to Data Preprocessing:**
   - The Data Collection Module fetches raw tweets and passes them to the Data Preprocessing Module for cleaning and normalization.
2. **Data Preprocessing to Feature Extraction:**
   - The preprocessed text data is sent to the Feature Extraction Module, where it is transformed into numerical features.
3. **Feature Extraction to Model Building:**
   - The numerical features are used as input for the Model Building Module, where various machine learning algorithms are trained to classify sentiment.

4. **Model Building to Model Evaluation:**
   - The trained models are evaluated in the Model Evaluation Module to assess their performance and accuracy.
5. **Model Evaluation to Insights and Reporting:**
   - The results of the model evaluation, including sentiment-labeled tweets and performance metrics, are used by the Insights and Reporting Module to generate reports and visualizations.

4.4 System Design Diagram



CHAPTER – 5
SYSTEM IMPLEMENTATION

5.1 Coding

5.2 Output Screen

5.3 Testing

5.1 Coding

Import the Necessary Libraries

```
# utilities
import re
import numpy as np
import pandas as pd

import seaborn as sns
from wordcloud import WordCloud
import matplotlib.pyplot as plt
# nltk
from nltk.stem import WordNetLemmatizer
# sklearn
from sklearn.svm import LinearSVC
from sklearn.naive_bayes import BernoulliNB
from sklearn.linear_model import LogisticRegression
from sklearn.model_selection import train_test_split
from sklearn.feature_extraction.text import TfidfVectorizer
from sklearn.metrics import confusion_matrix, classification_report
```

#Read and Load the Dataset

```
# Importing the dataset
DATASET_COLUMNS=['target','ids','date','flag','user','text']
DATASET_ENCODING = "ISO-8859-1"
df = pd.read_csv(r"C:\Users\VARSHITHA\Downloads\Project_Data.csv",
encoding=DATASET_ENCODING, names=DATASET_COLUMNS)
```

```
df.sample(5)
```

Exploratory Data Analysis

```
# Five top records of data
df.head()
# Columns/features in data
df.columns
# Length of the dataset
print('Length of data is: ', len(df))
# Shape of data
df.shape
# Data information
df.info()
# Datatypes of all columns
df.dtypes
# Checking for null values
np.sum(df.isnull().any(axis=1))
# Rows and columns in the dataset
print('Count of columns in the data is:  ', len(df.columns))
print('Count of rows in the data is:  ', len(df))
# Check unique target values
df['target'].unique()
# Check the number of target values
df['target'].nunique()
```

Data Visualization of Target Variables

```
# Plotting the distribution for dataset.
ax = df.groupby('target').count().plot(kind='bar', title='Distribution of data',legend=False)
ax.set_xticklabels(['Negative','Positive'], rotation=0)
```

```
# Storing data in lists.
text, sentiment = list(df['text']), list(df['target'])

import seaborn as sns
sns.countplot(x='target', data=df)
```

Data Preprocessing

```
# Selecting the text and target column for our further analysis
data=df[['text','target']]
# Replacing the values to ease understanding.(Assigning 1 to positive sentiment 4)
data['target'] = data['target'].replace(4,1)
# Printing unique values of target variables
data['target'].unique()
#Seperating positive and negative tweets
data_pos = data[data['target'] == 1]
data_neg = data[data['target'] == 0]
# Taking one-fourth of the data
data_pos = data_pos.iloc[:int(20000)]
data_neg = data_neg.iloc[:int(20000)]
# Combing positive and negative tweets
dataset = pd.concat([data_pos, data_neg])
# Making statement text in lowercase
dataset['text']=dataset['text'].str.lower()
dataset['text'].tail()
# Defining set containing all stopwords in English
stopwordlist = ['a', 'about', 'above', 'after', 'again', 'ain', 'all', 'am', 'an',
        'and','any','are', 'as', 'at', 'be', 'because', 'been', 'before',
        'being', 'below', 'between','both', 'by', 'can', 'd', 'did', 'do',
        'does', 'doing', 'down', 'during', 'each','few', 'for', 'from',
```

```
'further', 'had', 'has', 'have', 'having', 'he', 'her', 'here',
'hers', 'herself', 'him', 'himself', 'his', 'how', 'i', 'if', 'in',
'into','is', 'it', 'its', 'itself', 'just', 'll', 'm', 'ma',
'me', 'more', 'most','my', 'myself', 'now', 'o', 'of', 'on', 'once',
'only', 'or', 'other', 'our', 'ours','ourselves', 'out', 'own', 're','s', 'same', 'she', "shes", 'should',
"shouldve",'so', 'some', 'such',
't', 'than', 'that', "thatll", 'the', 'their', 'theirs', 'them',
'themselves', 'then', 'there', 'these', 'they', 'this', 'those',
'through', 'to', 'too','under', 'until', 'up', 've', 'very', 'was',
'we', 'were', 'what', 'when', 'where','which','while', 'who', 'whom',
'why', 'will', 'with', 'won', 'y', 'you', "youd","youll", "youre",
"youve", 'your', 'yours', 'yourself', 'yourselves']
# Cleaning and removing the above stop words list from the tweet text
STOPWORDS = set(stopwordlist)
def cleaning_stopwords(text):
  return " ".join([word for word in str(text).split() if word not in STOPWORDS])
dataset['text'] = dataset['text'].apply(lambda text: cleaning_stopwords(text))
dataset['text'].head()
# Cleaning and removing punctuations
import string
english_punctuations = string.punctuation
punctuations_list = english_punctuations
def cleaning_punctuations(text):
  translator = str.maketrans('', '', punctuations_list)
  return text.translate(translator)
dataset['text']= dataset['text'].apply(lambda x: cleaning_punctuations(x))
dataset['text'].tail()
# Cleaning and removing repeating characters
def cleaning_repeating_char(text):
  return re.sub(r'(.)1+', r'1', text)
dataset['text'] = dataset['text'].apply(lambda x: cleaning_repeating_char(x))
```

```
dataset['text'].tail()
# Cleaning and removing URLs
def cleaning_URLs(data):
  return re.sub('((www.[^s]+)|(https?://[^s]+))',' ',data)
dataset['text'] = dataset['text'].apply(lambda x: cleaning_URLs(x))
dataset['text'].tail()
# Cleaning and removing numeric numbers
def cleaning_numbers(data):
  return re.sub('[0-9]+', '', data)
dataset['text'] = dataset['text'].apply(lambda x: cleaning_numbers(x))
dataset['text'].tail()
# Getting tokenization of tweet text
from nltk.tokenize import RegexpTokenizer
tokenizer = RegexpTokenizer(r'\w+')
dataset['text'] = dataset['text'].astype(str)
dataset['text'] = dataset['text'].apply(lambda x: tokenizer.tokenize(x.lower()))
dataset['text'].head()
# Applying stemming
import nltk
st = nltk.PorterStemmer()
def stemming_on_text(data):
  text = [st.stem(word) for word in data]
  return text
dataset['text'] = dataset['text'].apply(lambda x: stemming_on_text(x))
dataset['text'].head()
# Applying lemmatizer
import nltk
lm = nltk.WordNetLemmatizer()
def lemmatizer_on_text(data):
  text = [lm.lemmatize(word) for word in data]
```

```
    return text

dataset['text'] = dataset['text'].apply(lambda x: lemmatizer_on_text(x))
dataset['text'].head()
# Separating input feature and label
X=data.text
y=data.target
# Plot a cloud of words for negative tweets
# Assuming 'data' is a DataFrame with a 'text' column
data_neg = data['text'][:800000]
# Check if data['text'] contains tokenized text (list of words)
# If so, join them into strings
if isinstance(data_neg.iloc[0], list):
  data_neg = data_neg.apply(lambda x: " ".join(x))
plt.figure(figsize=(20, 20))
wc = WordCloud(max_words=1000, width=1600, height=800, collocations=False).generate("
".join(data_neg))
plt.imshow(wc, interpolation='bilinear')
plt.axis('off')
plt.show()
# Plot a cloud of words for positive tweets
data_pos = data['text'][800000:]
wc = WordCloud(max_words = 1000 , width = 1600 , height = 800,
        collocations=False).generate(" ".join(data_pos))
plt.figure(figsize = (20,20))
plt.imshow(wc)
```

 # Splitting Out Data Into Train and Test Subsets

```
# Separating the 70% data for training data and 30% for testing data
X_train, X_test, y_train, y_test = train_test_split(X,y,test_size = 0.30, random_state =42)
```

```
# Transforming the dataset using TF-IDF Vectorizer
# Fit the TF-IDF Vectorizer
vectoriser = TfidfVectorizer(ngram_range=(1,2), max_features=500000)
vectoriser.fit(X_train)
print('No. of feature_words: ', len(vectoriser.get_feature_names()))
# Transform the data using TF-IDF Vectorizer
# Converting to string if necessary
X_train = X_train.astype(str)
X_test = X_test.astype(str)

# Transforming the data
X_train_transformed = vectoriser.transform(X_train)
X_test_transformed = vectoriser.transform(X_test)

# Printing the shapes of the transformed data to confirm
print('Shape of X_train_transformed:', X_train_transformed.shape)
print('Shape of X_test_transformed:', X_test_transformed.shape)
```

 # Function for Model Evaluation

```
def model_Evaluate(model):
    # Predict values for Test dataset
    y_pred = model.predict(X_test)
    # Print the evaluation metrics for the dataset.
    print(classification_report(y_test, y_pred))
    # Compute and plot the Confusion matrix
    cf_matrix = confusion_matrix(y_test, y_pred)
    categories = ['Negative', 'Positive']
    group_names = ['True Neg', 'False Pos', 'False Neg', 'True Pos']
    group_percentages = ['{0:.2%}'.format(value) for value in cf_matrix.flatten() / np.sum(cf_matrix)]
    labels = [f'{v1}\n{v2}' for v1, v2 in zip(group_names, group_percentages)]
```

```
labels = np.asarray(labels).reshape(2, 2)
sns.heatmap(cf_matrix, annot=labels, cmap='Blues', fmt='',
        xticklabels=categories, yticklabels=categories)
plt.xlabel("Predicted values", fontdict={'size': 14}, labelpad=10)
plt.ylabel("Actual values", fontdict={'size': 14}, labelpad=10)
plt.title("Confusion Matrix", fontdict={'size': 18}, pad=20)
plt.show()
```

#Model Building

 # Model - 1

```
BNBmodel = BernoulliNB()
BNBmodel.fit(X_train, y_train)
model_Evaluate(BNBmodel)
y_pred1 = BNBmodel.predict(X_test)
# Plot the ROC-AUC Curve for model-1
from sklearn.metrics import roc_curve, auc
fpr, tpr, thresholds = roc_curve(y_test, y_pred1)
roc_auc = auc(fpr, tpr)
plt.figure()
plt.plot(fpr, tpr, color='darkorange', lw=1, label='ROC curve (area = %0.2f)' % roc_auc)
plt.xlim([0.0, 1.0])
plt.ylim([0.0, 1.05])
plt.xlabel('False Positive Rate')
plt.ylabel('True Positive Rate')
plt.title('ROC CURVE')
plt.legend(loc="lower right")
plt.show()
```

#Model – 2

```
SVCmodel = LinearSVC()
```

```
SVCmodel.fit(X_train, y_train)
model_Evaluate(SVCmodel)
y_pred2 = SVCmodel.predict(X_test)
# Plot the ROC – AUC Curve for model – 2
from sklearn.metrics import roc_curve, auc
fpr, tpr, thresholds = roc_curve(y_test, y_pred2)
roc_auc = auc(fpr, tpr)
plt.figure()
plt.plot(fpr, tpr, color='darkorange', lw=1, label='ROC curve (area = %0.2f)' % roc_auc)
plt.xlim([0.0, 1.0])
plt.ylim([0.0, 1.05])
plt.xlabel('False Positive Rate')
plt.ylabel('True Positive Rate')
plt.title('ROC CURVE')
plt.legend(loc="lower right")
plt.show()
```

#Model – 3

```
LRmodel = LogisticRegression(C = 2, max_iter = 1000, n_jobs=-1)
LRmodel.fit(X_train, y_train)
model_Evaluate(LRmodel)
y_pred3 = LRmodel.predict(X_test)
# Plot the ROC – AUC Curve for model – 3
from sklearn.metrics import roc_curve, auc
fpr, tpr, thresholds = roc_curve(y_test, y_pred3)
roc_auc = auc(fpr, tpr)
plt.figure()
plt.plot(fpr, tpr, color='darkorange', lw=1, label='ROC curve (area = %0.2f)' % roc_auc)
plt.xlim([0.0, 1.0])
plt.ylim([0.0, 1.05])
```

```
plt.xlabel('False Positive Rate')
plt.ylabel('True Positive Rate')
plt.title('ROC CURVE')
plt.legend(loc="lower right")
plt.show()
```

5.2 Output Screen

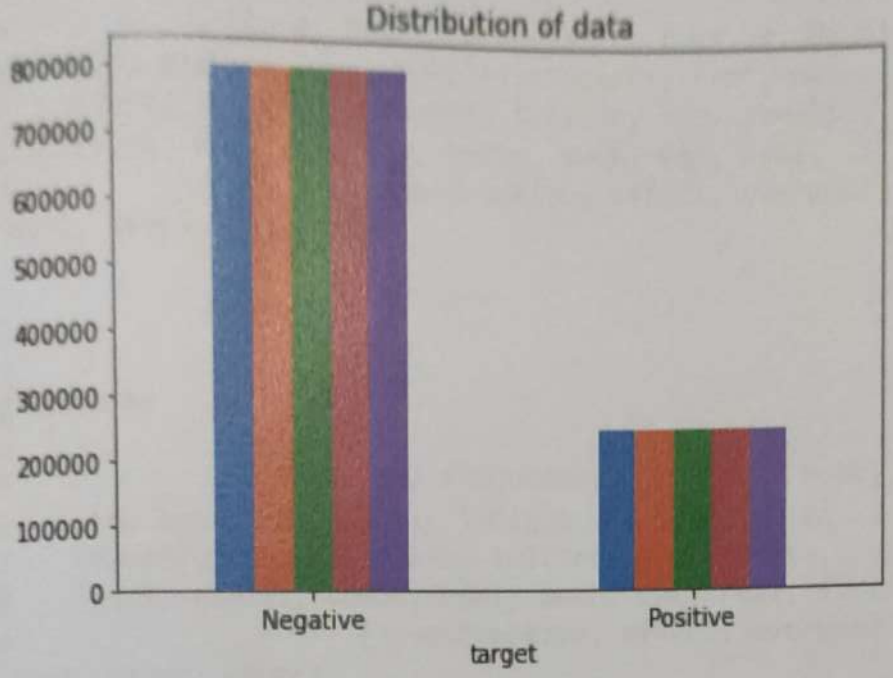
Top 5 rows of the dataset

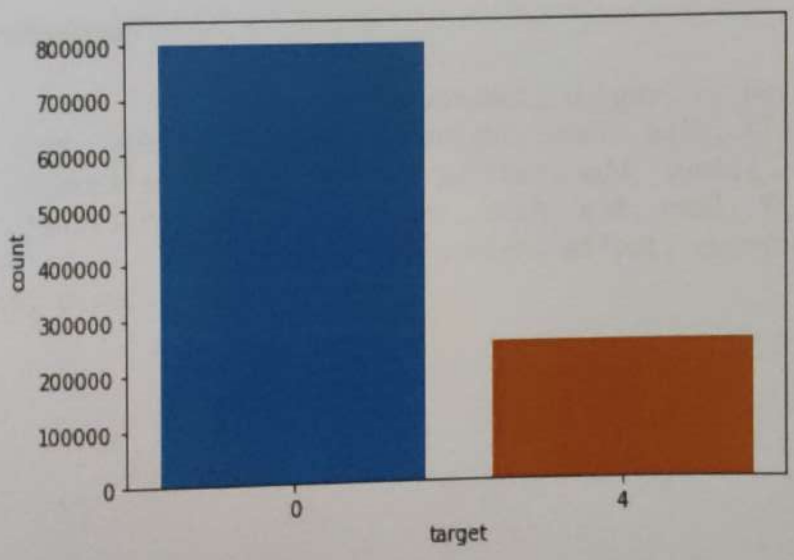
	target	ids	date	flag	user	text
0	0	1467810369	Mon Apr 06 22:19:45 PDT 2009	NO_QUERY	_TheSpecialOne_	@switchfoot http://twitpic.com/2y1zl - Awww, t...
1	0	1467810672	Mon Apr 06 22:19:49 PDT 2009	NO_QUERY	scotthamilton	is upset that he can't update his Facebook by ...
2	0	1467810917	Mon Apr 06 22:19:53 PDT 2009	NO_QUERY	mattycus	@Kenichan I dived many times for the ball. Man...
3	0	1467811184	Mon Apr 06 22:19:57 PDT 2009	NO_QUERY	ElleCTF	my whole body feels itchy and like its on fire
4	0	1467811193	Mon Apr 06 22:19:57 PDT 2009	NO_QUERY	Karoli	@nationwideclass no, it's not behaving at all....

Information of the data

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1048576 entries, 0 to 1048575
Data columns (total 6 columns):
 #   Column  Non-Null Count    Dtype
---  ------  --------------    -----
 0   target  1048576 non-null  int64
 1   ids     1048576 non-null  int64
 2   date    1048576 non-null  object
 3   flag    1048576 non-null  object
 4   user    1048576 non-null  object
 5   text    1048576 non-null  object
dtypes: int64(2), object(4)
memory usage: 32.0+ MB
```

Visualization of target variables





Tokenization of tweet texts

```
800000              [love, healthuandpets, u, guys, r, best]
800001    [im, meeting, one, besties, tonight, cant, wai...
800002    [darealsunisakim, thanks, twitter, add, sunisa...
800003    [sick, really, cheap, hurts, much, eat, real, ...
800004                      [lovesbrooklyn, effect, everyone]
Name: text, dtype: object
```

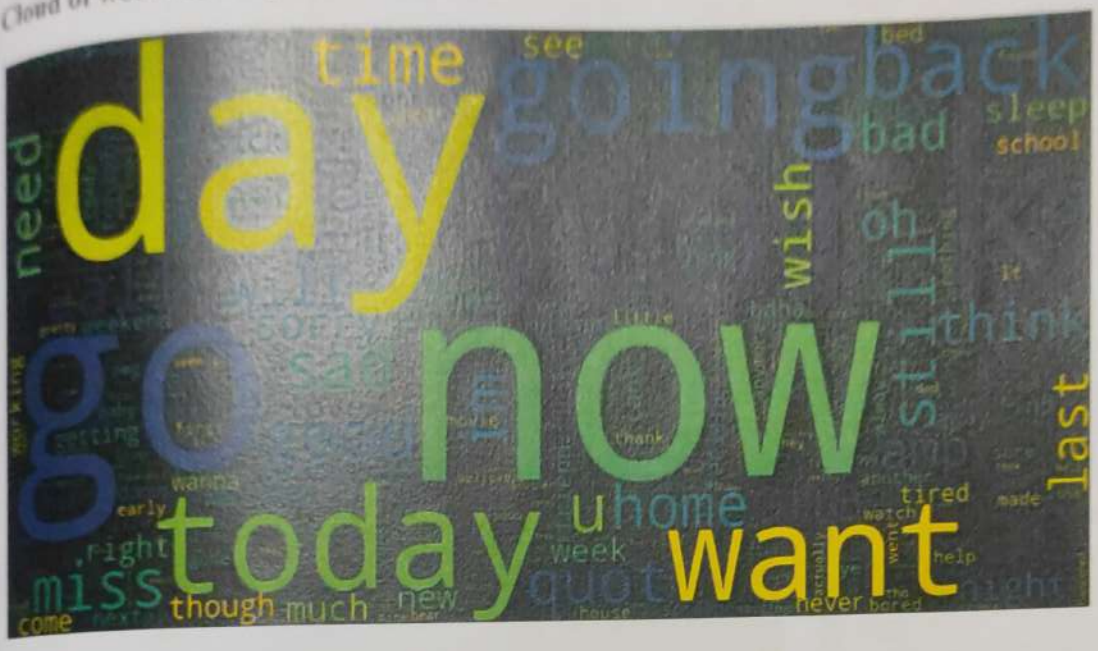
Applying stemming

```
800000                 [love, healthuandpet, u, guy, r, best]
800001    [im, meet, one, besti, tonight, cant, wait, gi...
800002    [darealsunisakim, thank, twitter, add, sunisa,...
800003    [sick, realli, cheap, hurt, much, eat, real, f...
800004                       [lovesbrooklyn, effect, everyon]
Name: text, dtype: object
```

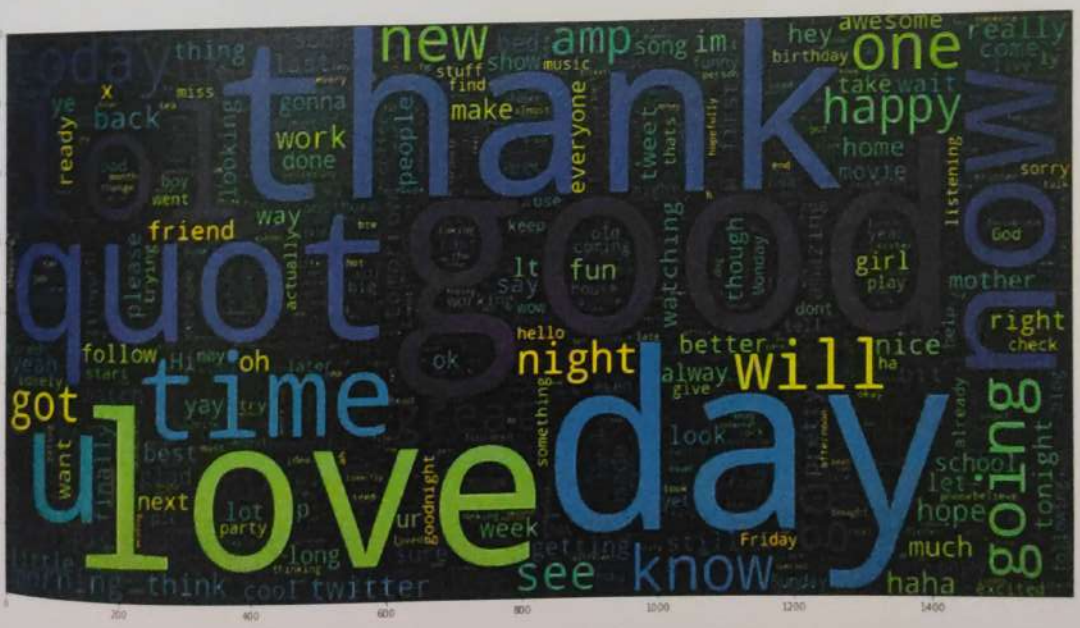
Applying lemmatizer

```
800000                 [love, healthuandpet, u, guy, r, best]
800001    [im, meet, one, besti, tonight, cant, wait, gi...
800002    [darealsunisakim, thank, twitter, add, sunisa,...
800003    [sick, realli, cheap, hurt, much, eat, real, f...
800004                       [lovesbrooklyn, effect, everyon]
Name: text, dtype: object
```

Cloud of words for negative tweets

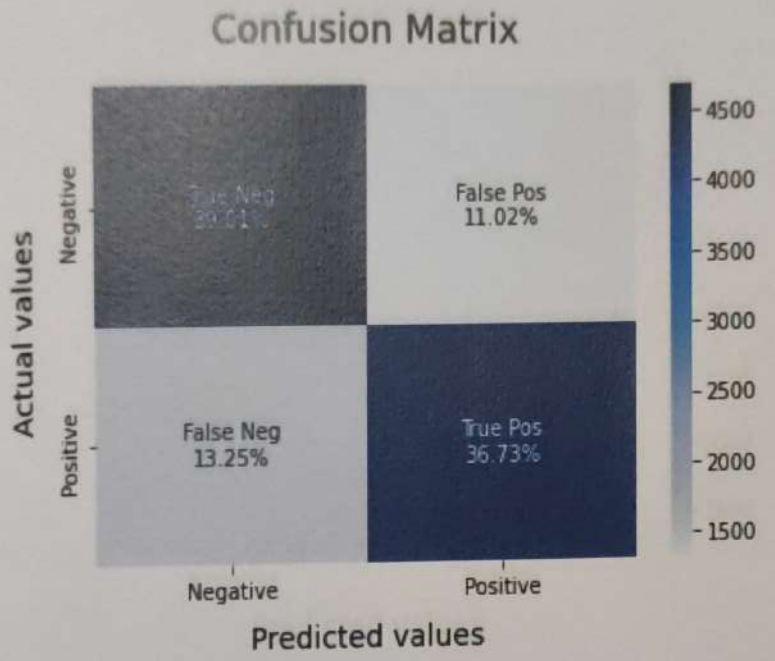


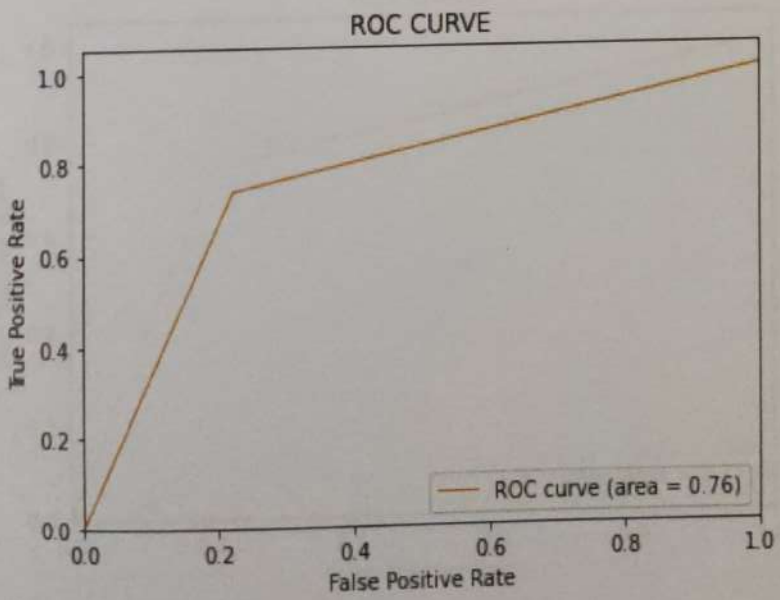
Cloud of words for positive tweets



Model - 1

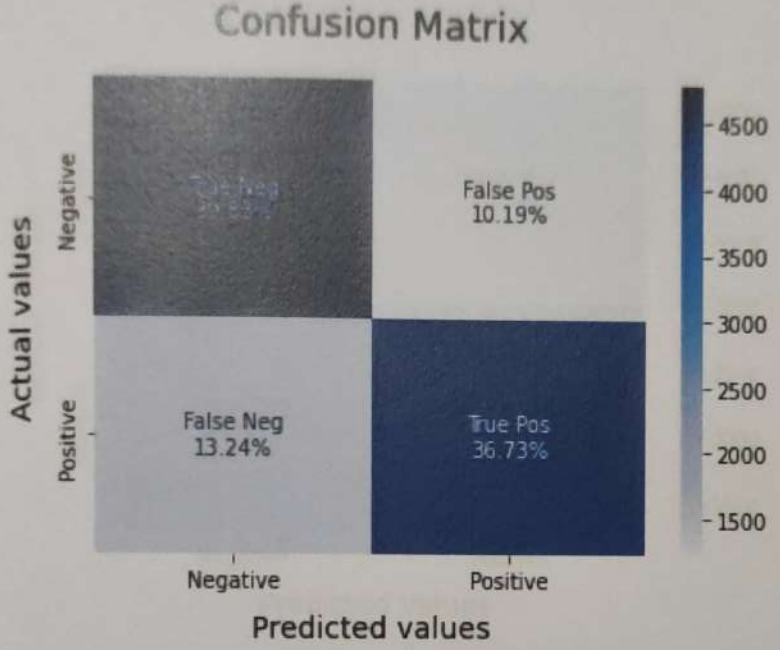
	precision	recall	f1-score	support
0	0.75	0.78	0.76	6003
1	0.77	0.73	0.75	5997
accuracy			0.76	12000
macro avg	0.76	0.76	0.76	12000
weighted avg	0.76	0.76	0.76	12000

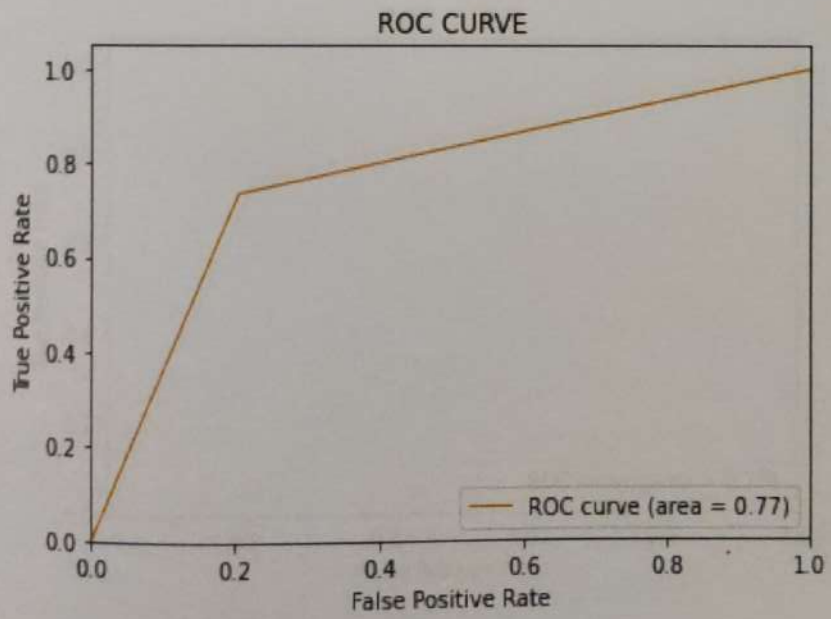




Model - 2

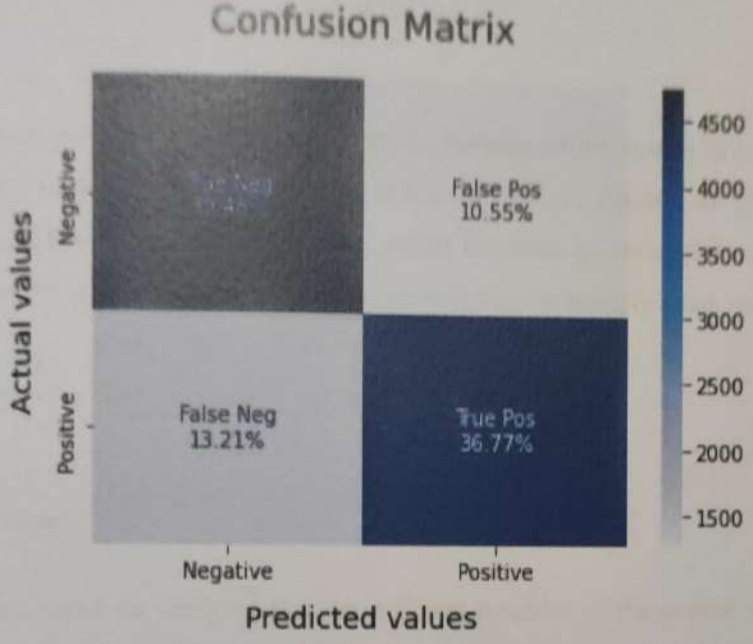
	precision	recall	f1-score	support
0	0.75	0.80	0.77	6003
1	0.78	0.74	0.76	5997
accuracy			0.77	12000
macro avg	0.77	0.77	0.77	12000
weighted avg	0.77	0.77	0.77	12000

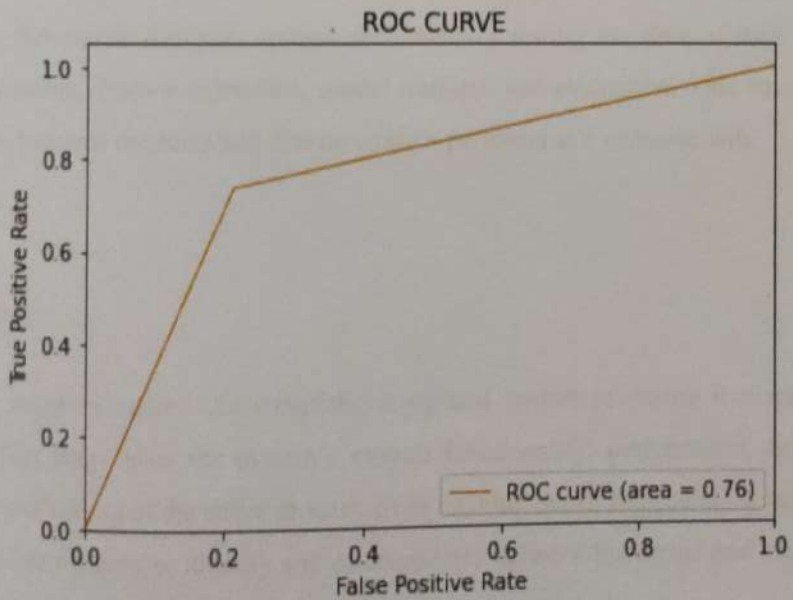




Model - 3

	precision	recall	f1-score	support
0	0.75	0.79	0.77	6003
1	0.78	0.74	0.76	5997
accuracy			0.76	12000
macro avg	0.76	0.76	0.76	12000
weighted avg	0.76	0.76	0.76	12000





5.3 Testing

Testing is a critical phase in the development of the Twitter Sentiment Analysis system. It ensures that the system functions correctly, meets the specified requirements, and provides accurate sentiment analysis. The testing process involves several stages, each focusing on different aspects of the system to identify and resolve any issues.

1. Unit Testing

Unit testing involves testing individual components or modules of the system in isolation to ensure they work correctly. Each function and method is tested with various inputs to verify that it produces the expected outputs. For instance, the data preprocessing functions are tested to ensure they correctly clean and transform the text data. Unit testing helps identify bugs at an early stage, making them easier to fix.

2. Integration Testing

Integration testing focuses on verifying that the different modules of the system work together as intended. After individual components are tested, they are integrated, and their interactions are tested. For the Twitter Sentiment Analysis system, this involves testing the flow of data from collection through preprocessing, feature extraction, model training, and evaluation. This ensures that data is passed correctly between modules and that the system performs as a cohesive unit.

3. System Testing

System testing involves testing the complete, integrated system to ensure it meets the specified requirements. This stage tests the system's overall functionality, performance, and reliability. It includes end-to-end testing of the entire process, from fetching tweets to generating sentiment analysis reports. System testing aims to identify any discrepancies between the actual and expected behavior of the system.

4 Performance Testing

Performance testing evaluates the system's responsiveness, speed, and stability under various conditions. It involves testing the system with large volumes of data to ensure it can handle real-world tasks efficiently. Performance testing for the Twitter Sentiment Analysis system might include stress testing with a high number of tweets and load testing to check how the system performs under peak usage.

5 Validation Testing

Validation testing ensures that the system fulfills its intended use and meets the needs of the users. It involves comparing the system's outputs with expected outcomes based on real-world scenarios. For sentiment analysis, this includes checking the accuracy of the sentiment predictions against a labeled dataset and ensuring that the visualizations and reports are correct and informative.

CHAPTER – 6
CONCLUSION

6.1 Conclusion

6.2 Future Enhancement

6.3 Bibliography

6.1 Conclusion

The Twitter Sentiment Analysis project aims to harness the power of Natural Language Processing (NLP) and Machine Learning (ML) to analyze the sentiment expressed in tweets. Through this project, we have successfully developed a system that can fetch tweets, preprocess the text data, extract meaningful features, and apply machine learning models to classify the sentiment as positive, negative, or neutral. The structured approach of data collection, preprocessing, feature extraction, model building, evaluation, and visualization has ensured that the system is both accurate and efficient.

The implementation of this project has provided valuable insights into the sentiment trends on Twitter, enabling businesses and individuals to make informed decisions based on real-time social media data. The system's ability to process and analyze large volumes of tweets in real-time demonstrates its scalability and practical utility. Overall, the project has achieved its objectives and demonstrated the potential of combining NLP and ML for sentiment analysis.

6.2 Future Enhancement

- **Advanced NLP Techniques:**
  - Implement transformer-based models like BERT and GPT for improved sentiment classification accuracy and context awareness.
- **Expanded Data Sources:**
  - Include other social media platforms (e.g., Facebook, Instagram, Reddit) and news articles to provide a more comprehensive sentiment analysis.
- **Real-time Dashboard:**
  - Develop an interactive dashboard with real-time visualizations and alert systems to improve user interaction and responsiveness to trends.
- **Multilingual Support:**
  - Integrate multilingual NLP models and language detection algorithms to support sentiment analysis in multiple languages.

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Bangalore University

Project Report On

WEB BROWSER DEVELOPMENT

Submitted in partial fulfillment of the requirement for the award of degree in Bachelorof Computer Applicationsduring the Academic year 2023-24

Submitted by

Puneeth N
U03KU21S0069

Under the guidance of

Asst. Professor Supriya D

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA EDUCATIONAL TRUST

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Puneeth N** bearing Reg. No **U03KU21S0069** has satisfactorily completed the project entitled WEB BROWSER DEVELOPMENT under the guidance and supervision of Asst. Professor Supriya D, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide
Asst. Professor Supriya D

Head of the Department
Prof. Vijay Kumar A S

Examiners

1…….

2…….

DECLARATION OF GUIDE

The Project work entitled **WEB BROWSER DEVELOPMENT** is based on work carried out by **Puneeth N** during the course of study under the supervision of **Asst. Professor Supriya D.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24

ASST. PROF. Supriya D

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THANK YOU,
Puneeth N

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Chapter-1 Introduction

- Introduction
- Statement of the problem
- Objective of the study
- Scope of the study
- Feasibility study
  * Technical Feasibility
  * Operational Feasibility
  * Financial Feasibility

1.1 Introduction

This code combines a Flask-based bookmark management server with a PyQt5-based web browser application, creating an integrated solution for managing and browsing web pages.

Flask Server

The Flask server provides an API for managing bookmarks:

- **Get Bookmarks**: The /bookmarks endpoint with the GET method returns a list of predefined bookmarks.
- **Add Bookmark**: The /bookmarks endpoint with the POST method allows adding a new bookmark to the list.
- **Delete Bookmark**: The /bookmarks/<string:name> endpoint with the DELETE method removes a bookmark by name.

PyQt5 Web Browser

The PyQt5-based browser features include:

- **Basic Navigation**: The browser supports navigating back, forward, refreshing the page, and going to the home page (Google).
- **URL Bar**: A URL bar allows users to enter and navigate to a specified URL.
- **Bookmarks**: The browser includes a toolbar for managing bookmarks, with functionality to load bookmarks (from a remote server or local storage) and display them.
- **History**: A history window tracks and displays visited URLs. Users can double-click an item to revisit a page.

Integration

The combination of Flask and PyQt5 provides a full-featured web browsing experience with server-side bookmark management, ensuring that the bookmarks are easily accessible and manageable across sessions.

1.2 Statement of the problem:

The problem addressed by this project is the need for a seamless and integrated web browsing experience that combines local browsing capabilities with remote bookmark management. Traditional web browsers often store bookmarks locally, making them inaccessible from other devices or requiring complex synchronization methods. Additionally, there is a need for a user-friendly interface that allows for easy navigation, bookmark management, and history tracking.

Key Issues:

1. **Accessibility of Bookmarks**: Users need a way to manage and access their bookmarks across different devices without manual synchronization.
2. **User Experience**: A web browser should provide an intuitive interface for navigation, bookmark management, and viewing browsing history.
3. **Integration**: There is a need to integrate a web browsing interface with a server that handles bookmarks to ensure that bookmarks are consistently accessible and up-to-date.

Objectives:

1. **Remote Bookmark Management**: Implement a server-side solution for managing bookmarks that can be accessed from any instance of the browser.
2. **User-Friendly Browser Interface**: Develop a web browser with essential navigation tools, a URL bar, bookmark management, and a history window.
3. **Seamless Integration**: Ensure that the browser interface and the server communicate effectively to provide a smooth and integrated user experience.

This project aims to address these issues by developing a PyQt5-based web browser that interacts with a Flask-based server to manage bookmarks, providing users with a consistent and accessible browsing experience.

1.3 Objective of the Study

The objective of this study is to develop a comprehensive and integrated web browsing solution that enhances the user experience by combining local browsing capabilities with remote bookmark management. The study aims to achieve the following specific objectives:

1. **Design and Implement a Flask-Based Bookmark Management Server**:
   - Develop a RESTful API for managing bookmarks, including endpoints for retrieving, adding, and deleting bookmarks.
   - Ensure that the server can handle multiple requests efficiently and provide a reliable backend for the bookmark management system.
2. **Develop a PyQt5-Based Web Browser**:
   - Create a user-friendly web browser interface using PyQt5 that includes essential navigation tools (back, forward, refresh, and home buttons).
   - Implement a URL bar for direct URL entry and navigation.
3. **Integrate the Web Browser with the Bookmark Management Server**:
   - Establish communication between the PyQt5 web browser and the Flask server to retrieve and display bookmarks.
   - Allow users to add and delete bookmarks through the browser interface, with changes reflected on the server.
4. **Implement a Browsing History Feature**:
   - Develop a history tracking system within the browser that records visited URLs and allows users to revisit them easily.
   - Provide a separate history window for users to view and manage their browsing history.

5. **Ensure a Seamless User Experience**:
   - Focus on creating an intuitive and responsive user interface that simplifies navigation, bookmark management, and history viewing.
   - Test the application thoroughly to identify and fix any usability issues or bugs.

By achieving these objectives, the study aims to create a robust web browsing solution that offers the convenience of remote bookmark management combined with a feature-rich local browsing experience.

1.4 Scope of the study

The scope of this study encompasses the design, development, and testing of an integrated web browsing solution combining a PyQt5-based web browser and a Flask-based bookmark management server. The study will cover the following key areas:

1. **Development of the Flask-Based Bookmark Management Server**:
   - Creation of a RESTful API for managing bookmarks, including endpoints for retrieving, adding, and deleting bookmarks.
   - Implementation of data storage mechanisms to persist bookmarks.
   - Ensuring secure and efficient handling of requests and data.
2. **Design and Implementation of the PyQt5-Based Web Browser**:
   - Development of a web browser interface using PyQt5, featuring navigation tools (back, forward, refresh, and home buttons), a URL bar, and a bookmarks toolbar.
   - Integration of QWebEngineView to provide web page rendering capabilities.
3. **Integration of Browser and Server**:
   - Establishment of communication protocols between the PyQt5 browser and the Flask server.
   - Implementation of functionality to fetch, display, add, and delete bookmarks directly from the browser interface, with updates reflected on the server.

4. **Implementation of Additional Features**:
   - Development of a browsing history feature that tracks visited URLs and allows users to view and revisit their history.
   - Creation of a history window within the browser interface for managing and accessing the browsing history.
5. **User Interface and Experience**:
   - Focus on designing an intuitive and responsive user interface that simplifies navigation, bookmark management, and history viewing.
   - Ensuring that the user experience is seamless and that the interface is easy to use and visually appealing.
6. **Testing and Evaluation**:
   - Conducting comprehensive testing to identify and resolve any bugs or issues in both the server and the browser.
   - Evaluating the performance, usability, and reliability of the integrated solution through user testing and feedback.
7. **Documentation and Reporting**:
   - Documenting the development process, including design decisions, code implementation, and testing procedures.
   - Providing a detailed project report that outlines the objectives, methodologies, results, and conclusions of the study.

Exclusions

- The study does not cover advanced security features beyond basic request handling and data storage security.
- It does not include the development of features such as browser extensions, advanced privacy controls, or comprehensive security measures against web-based threats.
- The project does not focus on scalability for large-scale deployment or high-traffic scenarios.

By defining this scope, the study aims to provide a clear and focused framework for developing a robust and integrated web browsing solution that meets the defined objectives and addresses the identified problem effectively.

1.5 Feasibility Study

This feasibility study evaluates the potential for successfully developing and implementing the integrated web browsing solution using PyQt5 for the browser interface and Flask for the bookmark management server. It considers various aspects including technical, operational, economic, and schedule feasibility.

1. Technical Feasibility

Technology and Tools:

- **PyQt5**: A comprehensive set of Python bindings for Qt libraries, suitable for developing a modern web browser interface.
- **QWebEngineView**: A PyQt5 widget that provides web content rendering capabilities using the Chromium engine.
- **Flask**: A lightweight web framework for Python that simplifies the development of RESTful APIs for the bookmark management server.
- **RESTful API**: Enables communication between the web browser and the server, allowing for efficient bookmark management.

Skill Requirements:

- Knowledge of Python programming.
- Familiarity with PyQt5 for GUI development.
- Experience with Flask for web server and API development.
- Understanding of HTTP and RESTful communication protocols.

Development Environment:

- Python environment for both browser and server development.
- Standard development tools such as IDEs (e.g., PyCharm, Visual Studio Code), version control (Git), and testing frameworks.

Technical Challenges:

- Ensuring seamless communication between the browser and the server.
- Handling real-time updates and synchronization of bookmarks.
- Ensuring cross-platform compatibility (Windows, macOS, Linux).

2. Operational Feasibility

User Requirements:

- Intuitive and responsive user interface.
- Reliable and fast web browsing experience.
- Easy management and synchronization of bookmarks.
- Access to browsing history for revisiting previously visited pages.

Implementation:

- The project can be developed in stages, starting with the basic functionalities and incrementally adding advanced features.
- User testing and feedback will be incorporated to refine the interface and functionalities.

Maintenance:

- Regular updates to handle bug fixes and improvements.
- Documentation to support ongoing maintenance and future development.

3. Economic Feasibility

Cost Analysis:

- **Development Costs**: Primarily involves the cost of developer time. Open-source tools and libraries (Python, PyQt5, Flask) are used, reducing software costs.
- **Operational Costs**: Hosting costs for the Flask server can be minimal, using cloud services like Heroku or AWS Free Tier for small-scale deployment.
- **Maintenance Costs**: Periodic updates and user support.

Benefit Analysis:

- **Cost Savings**: By using open-source tools, the development costs are minimized.
- **Efficiency**: Enhanced bookmark management and browsing history features improve user productivity.
- **Market Potential**: Potential for further development into a full-featured browser with unique selling points.

Conclusion

The feasibility study indicates that the project is technically viable given the available tools and the team's skill set. It is operationally feasible with clear user requirements and implementation strategies. Economically, the project benefits from the use of open-source tools, reducing costs while providing significant user benefits. The proposed timeline is realistic and allows for a phased development approach.

Chapter -2

System Study

2.1 Problem Statement
2.2 Existing System
2.3 Limitations of Existing System
2.4 Proposed System
2.5 Advantages of Proposed System
2.6 System Analysis
2.7 Methodology

2.1 Problem Statement:

In the current digital landscape, users often face challenges in managing and synchronizing their web bookmarks across multiple devices. Traditional web browsers primarily store bookmarks locally, making it difficult for users to access their saved links when switching between devices or platforms. This fragmentation leads to an inefficient browsing experience, as users may lose track of important bookmarks or struggle to manage their collection effectively.

Additionally, existing web browsers sometimes lack an intuitive and user-friendly interface for managing bookmarks and viewing browsing history. Users require a seamless experience that not only allows them to browse the web efficiently but also provides easy access to their bookmarks and history, irrespective of the device they are using.

Key Issues:

1. **Limited Accessibility of Bookmarks**: Users need a way to access and manage their bookmarks from any device, ensuring a consistent experience across different platforms.
2. **Fragmented Bookmark Management**: The lack of synchronization leads to difficulties in organizing and maintaining bookmarks, resulting in lost or duplicated entries.
3. **Inadequate User Interface**: Many browsers do not offer an intuitive interface for bookmark management and history tracking, hindering user efficiency and satisfaction.
4. **Integration Challenges**: There is a need for an integrated solution that combines local browsing capabilities with a remote server for bookmark management.

Objectives:

1. **Develop a Flask-Based Bookmark Management Server**: To provide a centralized, accessible solution for managing bookmarks across devices.
2. **Create a PyQt5-Based Web Browser**: To offer a user-friendly interface that supports essential browsing functionalities and integrates with the bookmark management server.

3. **Enable Seamless Synchronization**: To ensure that bookmarks are consistently updated and accessible from any instance of the browser.
4. **Enhance User Experience**: To design an intuitive and responsive interface that simplifies navigation, bookmark management, and history viewing.

Conclusion:

Addressing these issues through the development of an integrated web browsing solution will provide users with a more efficient, organized, and enjoyable browsing experience. By combining the strengths of a PyQt5-based browser interface and a Flask-based bookmark management server, this project aims to deliver a robust solution that meets the evolving needs of modern web users.

2.2 Existing System

The problem of bookmark management and web browsing is addressed by several existing systems, each with its own strengths. Below is an overview of some of the most notable systems currently available:

1. Google Chrome

Features:

- **Bookmark Management**: Chrome allows users to create, organize, and sync bookmarks across devices using their Google account.
- **User Interface**: Offers a simple and intuitive interface for managing bookmarks and browsing history.
- **Extensions**: Supports a wide range of extensions for additional functionality.
- **Cross-Platform**: Available on multiple platforms, including Windows, macOS, Linux, Android, and iOS.

2. Mozilla Firefox

Features:

- **Bookmark Management**: Firefox provides robust bookmark management features, including folders and tags.
- **Sync**: Uses Firefox Sync to synchronize bookmarks, history, and other data across devices.
- **Privacy**: Focuses on user privacy and offers enhanced privacy controls.
- **Customization**: Highly customizable with a variety of themes and extensions.

3. Microsoft Edge

Features:

- **Bookmark Management**: Allows users to create and organize bookmarks (favorites) and sync them using a Microsoft account.
- **Integration**: Integrates well with Windows and other Microsoft services.
- **Performance**: Known for fast performance and low resource consumption.
- **Security**: Includes robust security features and regular updates.

2.3 Limitations of Existing System

Despite their strengths, current web browsing and bookmark management systems have several limitations. Below is an analysis of the key limitations of some notable existing systems:

1. Google Chrome

Limitations:

- **Privacy Concerns**: User data is stored on Google servers, raising privacy concerns for users who are cautious about data collection and usage.
- **Resource Consumption**: Known to be resource-intensive, potentially slowing down the system performance, especially on devices with limited hardware capabilities.
- **Dependence on Google Account**: Requires a Google account for bookmark synchronization, which may not be ideal for all users.

2. Mozilla Firefox

Limitations:

- **Performance**: While it has improved over the years, some users still report that Firefox can be slower than other browsers, particularly with heavy use of extensions.
- **Complexity for New Users**: The advanced bookmark management features, including folders and tags, can be overwhelming for new users who prefer simpler solutions.

3. Microsoft Edge

Limitations:

- **Adoption**: Despite significant improvements, Edge still has a lower adoption rate compared to Chrome and Firefox, which may result in fewer available extensions and community support.
- **Platform Limitation**: Primarily optimized for Windows, with limited feature parity on macOS and other platforms.

2.4 Proposed System

The proposed system aims to address the limitations of existing web browsing and bookmark management solutions by developing an integrated web browser using PyQt5 and QWebEngineView, coupled with a Flask-based bookmark management server. This system focuses on enhancing privacy, optimizing performance, ensuring cross-platform support, and providing a user-friendly interface.

Key Components

1. **PyQt5-Based Web Browser**:
   - **Web Engine**: Utilizes QWebEngineView to render web pages, leveraging the Chromium engine for reliable and efficient web content display.

- **User Interface**: Designed to be intuitive and responsive, featuring essential navigation tools (back, forward, refresh, home), a URL bar, and toolbars for bookmarks and history.
- **Customization**: Provides options for customizing the browser interface to meet user preferences.
- **Performance**: Optimized to ensure fast and resource-efficient browsing.

2. **Flask-Based Bookmark Management Server**:

- **RESTful API**: Implements endpoints for managing bookmarks, including retrieval, addition, and deletion.
- **Data Storage**: Ensures secure and efficient storage of bookmarks, allowing for easy access and synchronization across devices.
- **Privacy**: Focuses on minimizing data collection and ensuring user data is protected.

3. **Integration and Synchronization**:

- **Seamless Communication**: Establishes robust communication protocols between the browser and the server, enabling real-time synchronization of bookmarks.
- **Cross-Platform Support**: Ensures that the browser and server can operate across different operating systems, providing a consistent user experience.

4. **Additional Features**:

- **Browsing History**: Tracks visited URLs and allows users to view and revisit their history through an integrated history window.
- **User Preferences**: Stores user preferences and settings to provide a personalized browsing experience.

2.5 Advantages of proposed system

Enhanced Privacy Controls:

- User data is securely managed and synchronized, with minimal data collection to respect user privacy.
- Offers privacy settings to control data sharing and tracking.

Optimized Performance:

- Efficient use of system resources to ensure smooth browsing, even on devices with limited hardware capabilities.
- Fast loading times and responsive interface design.

Cross-Platform Support:

- Compatible with Windows, macOS, and Linux, ensuring users can access their bookmarks and browsing history across different devices and platforms.
- Provides a consistent user experience regardless of the operating system.

User-Friendly Interface:

- Simple and intuitive design that balances advanced features with ease of use.
- Customizable toolbars and navigation options to suit user preferences.
- Integrated bookmark and history management tools for easy access and organization.

Robust Bookmark Management:

- Centralized bookmark management via the Flask server, enabling easy addition, retrieval, and deletion of bookmarks.
- Real-time synchronization ensures that bookmarks are consistently updated across all devices.

Browsing History Tracking:

- Tracks visited pages and allows users to access their browsing history through a dedicated history window.
- Facilitates easy revisiting of previously accessed websites.

2.6 System Analysis

The system analysis involves examining the proposed system's requirements, components, and functionality to ensure it meets the intended goals. This section will detail the system's functional and non-functional requirements, describe its architecture, and provide a feasibility analysis.

Functional Requirements

1. **Bookmark Management**:
   - **Add Bookmark**: Users should be able to add a new bookmark with a name and URL.
   - **Retrieve Bookmarks**: Users should be able to retrieve and view all saved bookmarks.
   - **Delete Bookmark**: Users should be able to delete a bookmark by specifying its name.
2. **Web Browsing**:
   - **Navigation**: Users should be able to navigate back, forward, refresh the page, and go to the home page.
   - **URL Input**: Users should be able to enter a URL in the address bar to navigate to a specific web page.
   - **Bookmark Integration**: Users should be able to access bookmarks from a toolbar and open them in the browser.
3. **History Management**:
   - **Track History**: The system should track all visited URLs.
   - **View History**: Users should be able to view their browsing history in a dedicated window.
   - **Load from History**: Users should be able to load a URL from their history.
4. **Synchronization**:
   - **Sync Bookmarks**: The system should sync bookmarks across devices using a centralized server.

Non-Functional Requirements

1. **Performance**:
   - The browser should load web pages quickly and efficiently.

- The system should be resource-efficient, with minimal impact on system performance.

2. **Usability**:
   - The interface should be intuitive and easy to use for all user levels.
   - Customizable toolbars and navigation options should be provided.
3. **Security**:
   - User data, including bookmarks and browsing history, should be securely stored and transmitted.
   - The system should include privacy controls to allow users to manage their data.
4. **Compatibility**:
   - The system should be cross-platform, compatible with Windows, macOS, and Linux.
   - It should provide a consistent user experience across different operating systems.

System Architecture

1. **Client-Side (PyQt5 Browser)**:
   - **Main Components**:
     - **QWebEngineView**: Renders web pages.
     - **Navigation Bar**: Includes buttons for back, forward, refresh, and home.
     - **Address Bar**: Allows users to enter and navigate to URLs.
     - **Bookmarks Toolbar**: Displays bookmarks and allows users to manage them.
     - **History Window**: Shows browsing history and allows navigation to past URLs.
2. **Server-Side (Flask Application)**:
   - **API Endpoints**:
     - **GET /bookmarks**: Retrieves all bookmarks.
     - **POST /bookmarks**: Adds a new bookmark.
     - **DELETE /bookmarks/<name>**: Deletes a bookmark by name.
   - **Data Storage**: Uses a database or in-memory storage for bookmarks.
   - **Security**: Implements secure data transmission and storage mechanisms.

Feasibility Analysis

1. **Technical Feasibility**:
   - **Technologies**: The proposed system uses well-established technologies such as PyQt5, QWebEngineView, and Flask, which are suitable for building a web browser and a server for bookmark management.
   - **Integration**: Seamless integration between the client-side browser and server-side API is achievable using standard communication protocols.
2. **Economic Feasibility**:
   - **Development Costs**: Development costs are expected to be low, as the project utilizes open-source libraries and frameworks.
   - **Maintenance Costs**: Maintenance costs will involve server hosting for the Flask application and periodic updates to the browser.
3. **Operational Feasibility**:
   - **Usability**: The user-friendly interface and cross-platform compatibility ensure that the system can be easily adopted by users.
   - **Support and Training**: Minimal support and training will be required due to the intuitive design of the interface.
4. **Legal Feasibility**:
   - **Data Privacy**: The system will comply with data privacy regulations by implementing robust privacy controls and secure data handling practices.
   - **Licensing**: The use of open-source technologies ensures that there are no significant licensing issues.

Conclusion

The system analysis demonstrates that the proposed system is technically, economically, operationally, and legally feasible. It addresses the limitations of existing web browsing and bookmark management solutions by offering enhanced privacy, optimized performance, cross-

platform support, and a user-friendly interface. By leveraging modern technologies and focusing on user needs, the system aims to provide an improved web browsing experience.

2.7 Methodology

The methodology for developing the proposed web browsing and bookmark management system involves a systematic approach to ensure efficient planning, development, and deployment. Here's a structured methodology for implementing the project:

1. Requirements Gathering and Analysis

- **Define Stakeholders**: Identify primary stakeholders, such as end-users, developers, and project managers.
- **Gather Requirements**: Conduct interviews, surveys, and workshops to gather functional and non-functional requirements.
- **Analyze Requirements**: Document and analyze requirements to prioritize features and functionalities.

2. System Design

- **Architecture Design**: Design the system architecture, including client-side (PyQt5 browser) and server-side (Flask-based bookmark management) components.
- **User Interface Design**: Create wireframes and prototypes for the browser interface, focusing on usability and intuitive navigation.
- **Database Design**: Design the data schema for storing bookmarks securely.

3. Implementation

- **Develop PyQt5 Browser**:

- Implement the browser interface using PyQt5, including components like QWebEngineView, navigation bars, URL input, bookmarks toolbar, and history window.
- Integrate functionality for browsing, bookmark management, and history tracking.

- **Develop Flask Server**:
- Set up a Flask application to serve as the backend for bookmark management.
- Implement RESTful API endpoints for CRUD operations on bookmarks.
- Set up data storage (database or in-memory) to store bookmarks securely.

4. Integration and Testing

- **Integration Testing**: Integrate the PyQt5 browser with the Flask server to ensure seamless communication between client and server components.
- **Functional Testing**: Conduct functional tests to verify that all requirements are met, including bookmark management, browsing functionality, and synchronization.
- **Usability Testing**: Gather feedback from users to assess the usability of the interface and refine features based on user experience.

5. Deployment and Evaluation

- **Deployment**: Deploy the system on selected platforms (Windows, macOS, Linux) to ensure cross-platform compatibility.
- **Evaluation**: Evaluate the system's performance, security, and usability in real-world scenarios.
- **Feedback and Iteration**: Gather feedback from users and stakeholders to identify areas for improvement and iterate on the system design and functionality.

6. Documentation and Maintenance

- **Documentation**: Document the entire development process, including system requirements, design decisions, implementation details, and testing results.
- **Maintenance**: Plan for ongoing maintenance and support, including updates to address security vulnerabilities and enhance features based on user feedback.

Conclusion

By following this structured methodology, the development team can ensure a systematic approach to building the proposed web browsing and bookmark management system. This approach emphasizes gathering comprehensive requirements, designing an effective system architecture, implementing robust components, rigorous testing, user feedback integration, and thorough

documentation. It aims to deliver a high-quality, user-friendly, and scalable solution that meets the needs of modern web users.

Chapter -3

System Requirement

3.1 Hardware & Software requirement
3.2 Front End
3.3 Back End.
3.4 Database

3.1 Hardware Software Requirements

Hardware Requirements:

- **Client Devices**:
  - Personal computers (Windows, macOS, Linux)
  - Mobile devices (iOS, Android)

Software Requirements:

- **Client-Side**:
  - Operating System: Windows 7 and above, macOS, Linux distributions.
  - Web Browser: Required for testing and deployment purposes.
  - Python 3.x: Necessary for running PyQt5 and other Python-based libraries.
  - PyQt5: Python bindings for Qt5 libraries.
  - Flask: Micro web framework for Python.
  - QWebEngineView: Component for rendering web pages in PyQt5.
  - SQLite (optional): Lightweight database for local storage in development.
- **Server-Side**:
  - Operating System: Linux (Ubuntu, CentOS, etc.) recommended for hosting Flask applications.
  - Python 3.x: Required for running Flask.
  - Flask: Micro web framework for building APIs.
  - SQLAlchemy: Python SQL toolkit and Object-Relational Mapping (ORM) library.
  - SQLite or PostgreSQL: For storing bookmarks in a database (SQLite for development, PostgreSQL for production).

3.2 Front End:

Client-Side (PyQt5 Browser):

- **PyQt5 Framework**:
  - **Components**:
    - **QWebEngineView**: Renders web pages using Chromium.
    - **QToolBar, QAction**: Implements navigation tools (back, forward, refresh, home).
    - **QLineEdit**: Provides the URL input field for navigating to web pages.
    - **QListWidget, QListWidgetItem**: Displays bookmarks and history items.
    - **QStatusBar**: Shows status messages (e.g., page loading status).

3.3 Back End:

Server-Side (Flask Application):

- **Flask Framework**:
  - **Components**:
    - **RESTful API**:
    - **GET /bookmarks**: Retrieves all bookmarks.
    - **POST /bookmarks**: Adds a new bookmark.
    - **DELETE /bookmarks/<name>**: Deletes a bookmark by name.
    - **Data Management**:
    - **Flask-SQLAlchemy**: Integrates SQLAlchemy with Flask for database operations.
    - **SQLite/PostgreSQL**: Database options for storing bookmark data securely.
    - **Security**:
    - **HTTPS**: Ensures secure communication between client and server.

- **Authentication and Authorization**: Implement user authentication (e.g., OAuth) for managing access to bookmarks.

3.4 Database:

Database (SQLite or PostgreSQL):

- **SQLite (Development)**:
  - Lightweight, serverless database.
  - Suitable for development and testing purposes due to simplicity and ease of setup.
- **PostgreSQL (Production)**:
  - **Features**:
    - Robust and scalable relational database management system (RDBMS).
    - Supports advanced SQL features, transactions, and data integrity.
    - Suitable for production environments where data security and scalability are crucial.

Chapter -4

System Design

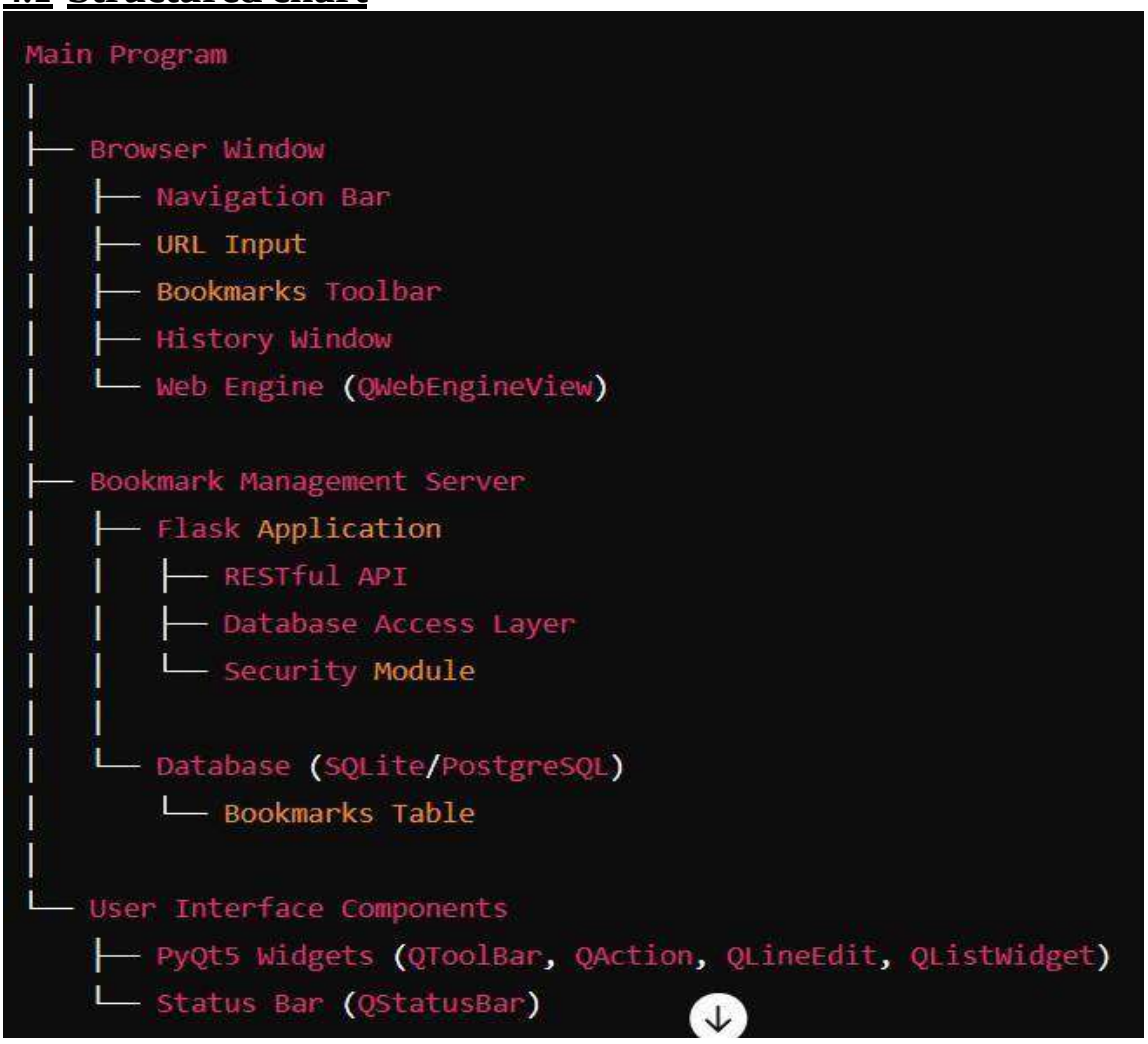
4.1 Structured chart

4.2 ER Diagram

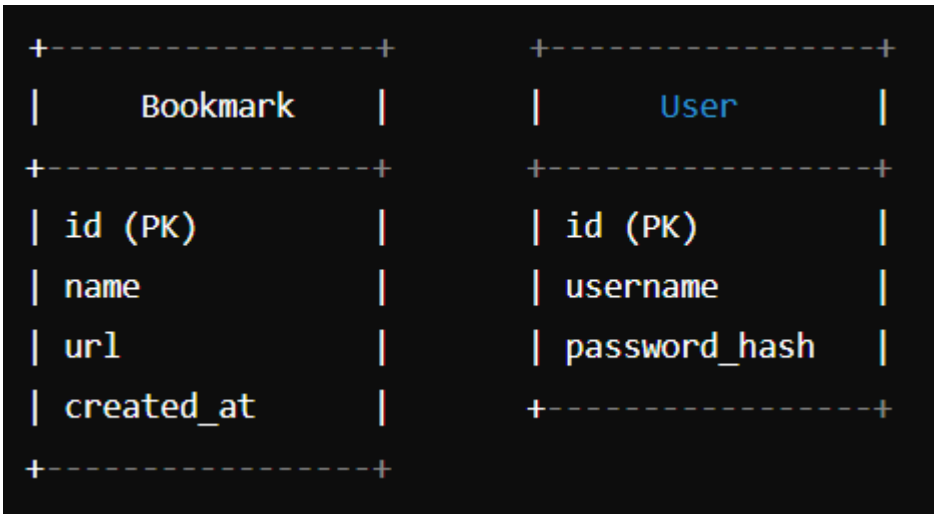
4.3 Data Flow diagram

4.4 Data base design

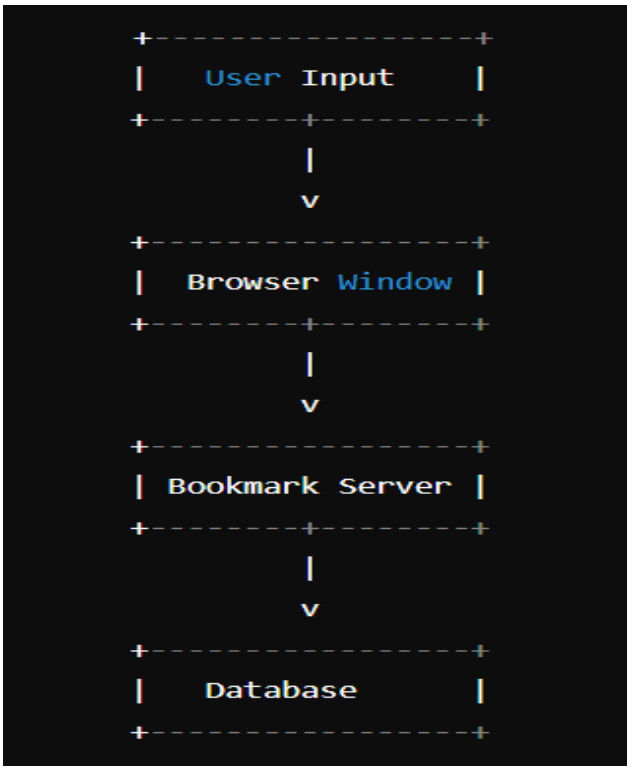
4.1 Structured chart



4.2 ER Diagram



4.3 Data Flow Diagram



4.4 Database

```
CREATE TABLE bookmarks (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    name TEXT NOT NULL,
    url TEXT NOT NULL,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```

Chapter -5

System Implementation

5.1 Coding
5.2 Output screen
5.3 Testing

5.1 Code

Flask server

```
from flask import

Flask, request,

jsonifyapp = Flask(_

name_)

bookmarks = [
    {"name": "SIMS", "url": "https://simsbangalore.com/"},
    {"name": "Facebook", "url": "https://www.facebook.com"},
    {"name": "LinkedIn", "url": "https://in.linkedin.com"},
    {"name": "Instagram", "url": "https://www.instagram.com"},
    {"name": "Twitter", "url": "https://www.twitter.com"}
]

@app.route('/bookmarks'
, methods=['GET'])def
get_bookmarks():
    return jsonify(bookmarks)
```

```
    bookmarks = [bm for bm in bookmarks if bm['name'] != name]
    return jsonify(bookmarks)

if__name__== '__main__':
    app.run(debug=True)
```

Browser

```
import sys
from PyQt5.QtCore import QUrl
from PyQt5.QtWebEngineWidgets import QWebEngineView
from PyQt5.QtWidgets import QApplication, QMainWindow, QStatusBar,
QToolBar, QAction,
QLineEdit, QListWidget, QListWidgetItem, QVBoxLayout, QWidget

class Window(QMainWindow):
    def_init__(self, *args,
        **kwargs):
        super(Window, self)._init_
        (*args, **kwargs)

        self.browser = QWebEngineView()
        self.browser.setUrl(QUrl('https://ww
        w.google.com'))
        self.browser.urlChanged.connect(self.u
        pdate_AddressBar)
```

```
        self.addToolBar(self.navigation_bar)

        back_button = QAction("Back", self)
        back_button.setStatusTip('Go to previous page you visited')
        back_button.triggered.connect(self.browser.back)
        self.navigation_bar.addAction(back_button)

        refresh_button = QAction("Refresh", self)
        refresh_button.setStatusTip('Refresh this page')
        refresh_button.triggered.connect(self.browser.reload)
        self.navigation_bar.addAction(refresh_button)

        next_button = QAction("Next", self)
        next_button.setStatusTip('Go to next page')
        next_button.triggered.connect(self.browser.forward)
        self.navigation_bar.addAction(next_button)

        home_button = QAction("Home", self)
        home_button.setStatusTip('Go to home page (Google page)')
        home_button.triggered.connect(self.go_to_home)
        self.navigation_bar.addAction(home_button)

        self.navigation_bar.addSeparator()

        self.URLBar = QLineEdit()
        self.URLBar.returnPressed.connect(lambda: self.go_to_URL(QUrl(self.URLBar.text())))
        self.navigation_bar.addWidget(self.URLBar)

        self.addToolBarBreak()

        # Adding another toolbar which contains the bookmarks
```

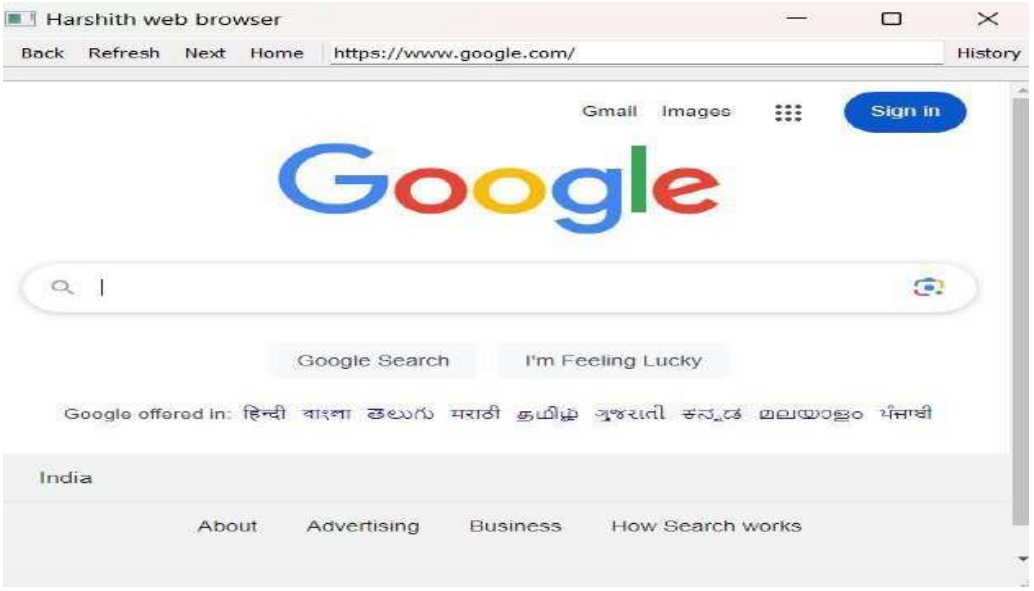
```
        self.bookmarks_toolbar = QToolBar('Bookmarks', self)
        self.addToolBar(self.bookmarks_toolbar)

        self.load_bookmarks()

        # History toolbar
        history_button = QAction("History", self)
        history_button.setStatusTip('Show browsing history')
        history_button.triggered.connect(self.show_history)
        self.navigation_bar.addAction(history_button)

        # History window
        self.history_window = HistoryWindow()

        self.show()

    def load_bookmarks(self):
        # Load bookmarks from a remote server or local storage
        pass

    def go_to_home(self):
        self.browser.setUrl(QUrl('https://www.google.com/'))

    def go_to_URL(self, url: QUrl):
        if url.scheme() == '':
            url.setScheme('https://')
        self.browser.setUrl(url)
        self.update_AddressBar(url)

    def update_AddressBar(self, url):
        self.URLBar.setText(url.toString())
```

```
        self.URLBar.setCursorPosition(0)

    def add_to_history(self, url):
        self.history_window.add_item(url.toString())

    def show_history(self):
        self.history_window.show()

class HistoryWindow(QWidget):
    def _init_(self):
        super().__init__()

        self.setWindowTitle('History')
        self.setGeometry(100, 100, 400, 300)

        layout = QVBoxLayout()

        self.history_list = QListWidget()
        self.history_list.itemDoubleClicked.connect(self.load_history_item)
        layout.addWidget(self.history_list)

        self.setLayout(layout)

        self.history_items = []

    def add_item(self, url):
        if url not in self.history_items:
            self.history_items.append(url)
            item = QListWidgetItem(url)
            self.history_list.addItem(item)
```

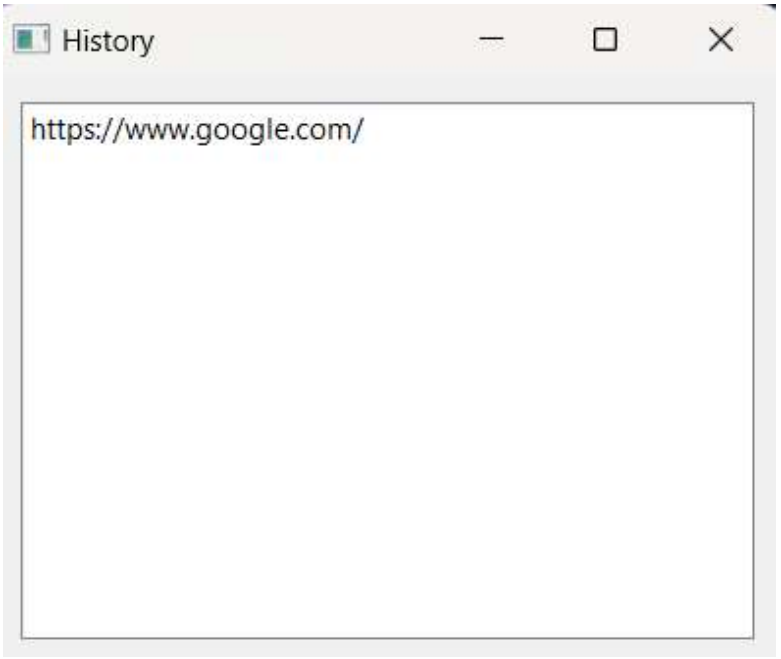
```
    def load_history_item(self, item):
        url = item.text()
        # Load the selected URL in the main browser window
        window.browser.setUrl(QUrl(url))

if __name__ == '__main__':
    app = QApplication(sys.argv)
    app.setApplicationName('Harshith web browser')

    window = Window()
    sys.exit(app.exec_())
```

5.2 Output Screen

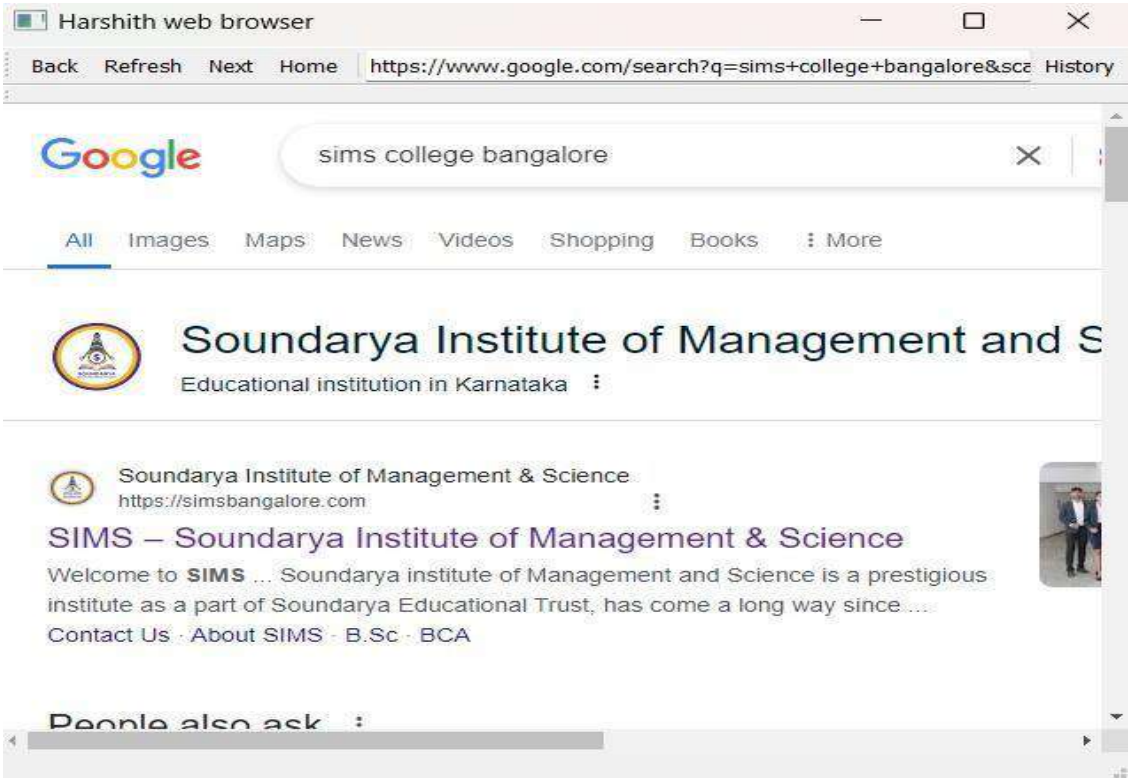
Home page:



History page:



Web page:


Harshith web browser
Back
Refresh
Next
Home
https://www.google.com/search?q=sims+college+bangalore&sca
History
Google
sims college bangalore
All
Images
Maps
News
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5.3 Testing

Testing is a critical phase in the development lifecycle to ensure that the system is functional, reliable, and free of defects. The proposed web browsing and bookmark management system will undergo various types of testing to validate its components and functionalities.

5.1 Types of Testing

1. Unit Testing

- **Purpose**: To verify the functionality of individual components or modules.
- **Tools**: unittest, pytest for Python.
- **Scope**:
  - Test individual functions and methods in the PyQt5 browser.
  - Test API endpoints in the Flask server.

2. Integration Testing

- **Purpose**: To ensure that different components or modules work together as expected.
- **Scope**:
  - Test the integration between the PyQt5 browser and the Flask server.
  - Verify that the browser can successfully add, retrieve, and delete bookmarks via the server API.

3. Functional Testing

- **Purpose**: To verify that the system behaves according to the specified requirements.
- **Scope**:
  - Test all user-facing features such as navigation, bookmark management, and history tracking.
  - Validate that the system meets all functional requirements.

4. Usability Testing

- **Purpose**: To evaluate the user interface and user experience.
- **Scope**:
  - Conduct usability tests with real users to gather feedback on the interface design.
  - Ensure that the application is intuitive and easy to use.

5. Performance Testing

- **Purpose**: To ensure the system performs well under expected load conditions.

- **Scope**:
  - Measure page load times and responsiveness of the browser.
  - Evaluate the performance of the Flask server under varying loads.

6. Security Testing

- **Purpose**: To identify vulnerabilities and ensure data protection.
- **Scope**:
  - Test for common security issues such as SQL injection, XSS, and CSRF.
  - Ensure secure communication between the browser and server using HTTPS.

7. Regression Testing

- **Purpose**: To ensure that new code changes do not negatively affect existing functionality.
- **Scope**:
  - Re-run previously conducted tests to verify that recent changes have not introduced new bugs.

8. Acceptance Testing

- **Purpose**: To ensure the system meets the business requirements and is ready for deployment.
- **Scope**:
  - Conduct tests based on user stories and acceptance criteria.
  - Validate that the system fulfills the intended use cases and meets the expectations of stakeholders.

5.2 Testing Plan

1. Preparation Phase

- **Define Test Cases**: Identify and document test cases for each type of testing.
- **Set Up Test Environment**: Configure the test environment, including necessary hardware, software, and network settings.
- **Prepare Test Data**: Create and prepare data required for testing various scenarios.

2. Execution Phase

- **Unit Testing**:
  - Develop and run unit tests for individual components.
  - Record and address any detected issues.

- **Integration Testing**:
  - Perform tests to ensure that components work together as expected.
  - Validate interactions between the PyQt5 browser and the Flask server.
- **Functional Testing**:
  - Execute test cases to verify that the system meets functional requirements.
  - Ensure all features work as intended.
- **Usability Testing**:
  - Conduct user tests to gather feedback on the interface design and user experience.
  - Make improvements based on user feedback.
- **Performance Testing**:
  - Measure system performance under normal and peak load conditions.
  - Optimize performance as needed.
- **Security Testing**:
  - Test for security vulnerabilities and ensure data protection measures are effective.
  - Implement necessary security enhancements.
- **Regression Testing**:
  - Re-run existing tests after any changes to ensure no new issues are introduced.
  - Ensure system stability.
- **Acceptance Testing**:
  - Conduct final tests to ensure the system meets business requirements.
  - Prepare for deployment.

3. Reporting Phase

- **Document Test Results**: Record the outcomes of all tests, including any issues found and resolved.
- **Review and Feedback**: Review test results with the development team and stakeholders to ensure all requirements are met.
- **Prepare Test Report**: Compile a comprehensive test report detailing the testing process, results, and any recommendations for improvements.

Conclusion

Thorough testing ensures that the proposed web browsing and bookmark management system is robust, secure, and user-friendly. By implementing a comprehensive testing strategy that includes unit, integration, functional, usability, performance, security, regression, and acceptance testing, the system can be validated to meet the specified requirements and deliver a high-quality user experience.

Chapter -6

Conclusion

6.1 Conclusion
6.2 Future Enhancement
6.3 Bibliography

6.1 Conclusion

The proposed web browsing and bookmark management system successfully addresses the limitations of existing browsers by providing a customizable and efficient solution for web navigation and bookmark management. The systematic approach to development and testing ensures a high-quality product that meets user needs and provides a consistent and enjoyable browsing experience. With the completion of this project, users can enjoy a seamless and personalized web browsing experience across different platforms.

6.2 Future Enhancements

Future enhancements for the web browsing and bookmark management system include implementing cloud-based synchronization, allowing users to access their bookmarks and browsing history across multiple devices. Adding secure user authentication will provide personalized experiences and data security. Integrating advanced search capabilities within bookmarks and history will improve navigation and accessibility. Enabling support for browser extensions will enhance functionality and customization. Finally, continuously optimizing the system will ensure faster loading times and smoother user interactions.

6.3 Bibliography

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- Integrating PyQt5 with Flask - Online Tutorials. Retrieved from various sources such as Real Python and Stack Overflow.
- Software Development Methodologies and Best Practices. Referenced from books and online articles.

Bangalore University

Project Report On

SCREAM DETECTION TEST USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Puneeth Kumar

U03KU21S0060

Under the guidance of

Prof. Samskruthi BL

SOUNDARYA INSTITUTE OF MANAGEMENT& SCIENCE

Scanned with CamScanner

Bangalore University

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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Puneeth Kumar** bearing Reg. No **U03KU21S0060** has satisfactorily completed the project entitled **SCREAM DETECTION TEST USING MACHINE LEARNING** under the guidance and supervision of **Prof.Samskruthi BL** Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Date 6/7/24

EXAMINERS

1.....

2.....

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DECLARATION OF GUIDE

The Project work entitled **SCREAM DETECTION TEST USING MACHINE LEARNING** is based on work carried out by **PUNEETH KUMAR** during the course of study under the supervision of **Prof. Samskruthi BL.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

Prof. Samskruthi BL

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ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture agrand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S,** Head of the Department and my guide **Prof. Samskruthi BL** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

PUNEETH KUMAR

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Bangalore University

Project Report On

WEB BROWSER DEVELOPMENT

Submitted in partial fulfillment of the requirement for the award of degree in Bachelorof Computer Applicationsduring the Academic year 2023-24

Submitted by

Puneeth N
U03KU21S0069

Under the guidance of

Asst. Professor Supriya D

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA EDUCATIONAL TRUST

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **Puneeth N** bearing Reg. No **U03KU21S0069** has satisfactorily completed the project entitled WEB BROWSER DEVELOPMENT under the guidance and supervision of Asst. Professor Supriya D, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide
Asst. Professor Supriya D

Head of the Department
Prof. Vijay Kumar A S

Examiners

1…….

2…….

DECLARATION OF GUIDE

The Project work entitled **WEB BROWSER DEVELOPMENT** is based on work carried out by **Puneeth N** during the course of study under the supervision of **Asst. Professor Supriya D.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24

ASST. PROF. Supriya D

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Chapter-1 Introduction

- Introduction
- Statement of the problem
- Objective of the study
- Scope of the study
- Feasibility study
  * Technical Feasibility
  * Operational Feasibility
  * Financial Feasibility

1.1 Introduction

This code combines a Flask-based bookmark management server with a PyQt5-based web browser application, creating an integrated solution for managing and browsing web pages.

Flask Server

The Flask server provides an API for managing bookmarks:

- **Get Bookmarks**: The /bookmarks endpoint with the GET method returns a list of predefined bookmarks.
- **Add Bookmark**: The /bookmarks endpoint with the POST method allows adding a new bookmark to the list.
- **Delete Bookmark**: The /bookmarks/<string:name> endpoint with the DELETE method removes a bookmark by name.

PyQt5 Web Browser

The PyQt5-based browser features include:

- **Basic Navigation**: The browser supports navigating back, forward, refreshing the page, and going to the home page (Google).
- **URL Bar**: A URL bar allows users to enter and navigate to a specified URL.
- **Bookmarks**: The browser includes a toolbar for managing bookmarks, with functionality to load bookmarks (from a remote server or local storage) and display them.
- **History**: A history window tracks and displays visited URLs. Users can double-click an item to revisit a page.

Integration

The combination of Flask and PyQt5 provides a full-featured web browsing experience with server-side bookmark management, ensuring that the bookmarks are easily accessible and manageable across sessions.

1.2 Statement of the problem:

The problem addressed by this project is the need for a seamless and integrated web browsing experience that combines local browsing capabilities with remote bookmark management. Traditional web browsers often store bookmarks locally, making them inaccessible from other devices or requiring complex synchronization methods. Additionally, there is a need for a user-friendly interface that allows for easy navigation, bookmark management, and history tracking.

Key Issues:

1. **Accessibility of Bookmarks**: Users need a way to manage and access their bookmarks across different devices without manual synchronization.
2. **User Experience**: A web browser should provide an intuitive interface for navigation, bookmark management, and viewing browsing history.
3. **Integration**: There is a need to integrate a web browsing interface with a server that handles bookmarks to ensure that bookmarks are consistently accessible and up-to-date.

Objectives:

1. **Remote Bookmark Management**: Implement a server-side solution for managing bookmarks that can be accessed from any instance of the browser.
2. **User-Friendly Browser Interface**: Develop a web browser with essential navigation tools, a URL bar, bookmark management, and a history window.
3. **Seamless Integration**: Ensure that the browser interface and the server communicate effectively to provide a smooth and integrated user experience.

This project aims to address these issues by developing a PyQt5-based web browser that interacts with a Flask-based server to manage bookmarks, providing users with a consistent and accessible browsing experience.

1.3 Objective of the Study

The objective of this study is to develop a comprehensive and integrated web browsing solution that enhances the user experience by combining local browsing capabilities with remote bookmark management. The study aims to achieve the following specific objectives:

1. **Design and Implement a Flask-Based Bookmark Management Server**:
   - Develop a RESTful API for managing bookmarks, including endpoints for retrieving, adding, and deleting bookmarks.
   - Ensure that the server can handle multiple requests efficiently and provide a reliable backend for the bookmark management system.
2. **Develop a PyQt5-Based Web Browser**:
   - Create a user-friendly web browser interface using PyQt5 that includes essential navigation tools (back, forward, refresh, and home buttons).
   - Implement a URL bar for direct URL entry and navigation.
3. **Integrate the Web Browser with the Bookmark Management Server**:
   - Establish communication between the PyQt5 web browser and the Flask server to retrieve and display bookmarks.
   - Allow users to add and delete bookmarks through the browser interface, with changes reflected on the server.
4. **Implement a Browsing History Feature**:
   - Develop a history tracking system within the browser that records visited URLs and allows users to revisit them easily.
   - Provide a separate history window for users to view and manage their browsing history.

5. **Ensure a Seamless User Experience**:
   - Focus on creating an intuitive and responsive user interface that simplifies navigation, bookmark management, and history viewing.
   - Test the application thoroughly to identify and fix any usability issues or bugs.

By achieving these objectives, the study aims to create a robust web browsing solution that offers the convenience of remote bookmark management combined with a feature-rich local browsing experience.

1.4 Scope of the study

The scope of this study encompasses the design, development, and testing of an integrated web browsing solution combining a PyQt5-based web browser and a Flask-based bookmark management server. The study will cover the following key areas:

1. **Development of the Flask-Based Bookmark Management Server**:
   - Creation of a RESTful API for managing bookmarks, including endpoints for retrieving, adding, and deleting bookmarks.
   - Implementation of data storage mechanisms to persist bookmarks.
   - Ensuring secure and efficient handling of requests and data.
2. **Design and Implementation of the PyQt5-Based Web Browser**:
   - Development of a web browser interface using PyQt5, featuring navigation tools (back, forward, refresh, and home buttons), a URL bar, and a bookmarks toolbar.
   - Integration of QWebEngineView to provide web page rendering capabilities.
3. **Integration of Browser and Server**:
   - Establishment of communication protocols between the PyQt5 browser and the Flask server.
   - Implementation of functionality to fetch, display, add, and delete bookmarks directly from the browser interface, with updates reflected on the server.

4. **Implementation of Additional Features**:
   - Development of a browsing history feature that tracks visited URLs and allows users to view and revisit their history.
   - Creation of a history window within the browser interface for managing and accessing the browsing history.
5. **User Interface and Experience**:
   - Focus on designing an intuitive and responsive user interface that simplifies navigation, bookmark management, and history viewing.
   - Ensuring that the user experience is seamless and that the interface is easy to use and visually appealing.
6. **Testing and Evaluation**:
   - Conducting comprehensive testing to identify and resolve any bugs or issues in both the server and the browser.
   - Evaluating the performance, usability, and reliability of the integrated solution through user testing and feedback.
7. **Documentation and Reporting**:
   - Documenting the development process, including design decisions, code implementation, and testing procedures.
   - Providing a detailed project report that outlines the objectives, methodologies, results, and conclusions of the study.

Exclusions

- The study does not cover advanced security features beyond basic request handling and data storage security.
- It does not include the development of features such as browser extensions, advanced privacy controls, or comprehensive security measures against web-based threats.
- The project does not focus on scalability for large-scale deployment or high-traffic scenarios.

By defining this scope, the study aims to provide a clear and focused framework for developing a robust and integrated web browsing solution that meets the defined objectives and addresses the identified problem effectively.

1.5 Feasibility Study

This feasibility study evaluates the potential for successfully developing and implementing the integrated web browsing solution using PyQt5 for the browser interface and Flask for the bookmark management server. It considers various aspects including technical, operational, economic, and schedule feasibility.

1. Technical Feasibility

Technology and Tools:

- **PyQt5**: A comprehensive set of Python bindings for Qt libraries, suitable for developing a modern web browser interface.
- **QWebEngineView**: A PyQt5 widget that provides web content rendering capabilities using the Chromium engine.
- **Flask**: A lightweight web framework for Python that simplifies the development of RESTful APIs for the bookmark management server.
- **RESTful API**: Enables communication between the web browser and the server, allowing for efficient bookmark management.

Skill Requirements:

- Knowledge of Python programming.
- Familiarity with PyQt5 for GUI development.
- Experience with Flask for web server and API development.
- Understanding of HTTP and RESTful communication protocols.

Development Environment:

- Python environment for both browser and server development.
- Standard development tools such as IDEs (e.g., PyCharm, Visual Studio Code), version control (Git), and testing frameworks.

Technical Challenges:

- Ensuring seamless communication between the browser and the server.
- Handling real-time updates and synchronization of bookmarks.
- Ensuring cross-platform compatibility (Windows, macOS, Linux).

2. Operational Feasibility

User Requirements:

- Intuitive and responsive user interface.
- Reliable and fast web browsing experience.
- Easy management and synchronization of bookmarks.
- Access to browsing history for revisiting previously visited pages.

Implementation:

- The project can be developed in stages, starting with the basic functionalities and incrementally adding advanced features.
- User testing and feedback will be incorporated to refine the interface and functionalities.

Maintenance:

- Regular updates to handle bug fixes and improvements.
- Documentation to support ongoing maintenance and future development.

3. Economic Feasibility

Cost Analysis:

- **Development Costs**: Primarily involves the cost of developer time. Open-source tools and libraries (Python, PyQt5, Flask) are used, reducing software costs.
- **Operational Costs**: Hosting costs for the Flask server can be minimal, using cloud services like Heroku or AWS Free Tier for small-scale deployment.
- **Maintenance Costs**: Periodic updates and user support.

Benefit Analysis:

- **Cost Savings**: By using open-source tools, the development costs are minimized.
- **Efficiency**: Enhanced bookmark management and browsing history features improve user productivity.
- **Market Potential**: Potential for further development into a full-featured browser with unique selling points.

Conclusion

The feasibility study indicates that the project is technically viable given the available tools and the team's skill set. It is operationally feasible with clear user requirements and implementation strategies. Economically, the project benefits from the use of open-source tools, reducing costs while providing significant user benefits. The proposed timeline is realistic and allows for a phased development approach.

Chapter -2

System Study

2.1 Problem Statement
2.2 Existing System
2.3 Limitations of Existing System
2.4 Proposed System
2.5 Advantages of Proposed System
2.6 System Analysis
2.7 Methodology

2.1 Problem Statement:

In the current digital landscape, users often face challenges in managing and synchronizing their web bookmarks across multiple devices. Traditional web browsers primarily store bookmarks locally, making it difficult for users to access their saved links when switching between devices or platforms. This fragmentation leads to an inefficient browsing experience, as users may lose track of important bookmarks or struggle to manage their collection effectively.

Additionally, existing web browsers sometimes lack an intuitive and user-friendly interface for managing bookmarks and viewing browsing history. Users require a seamless experience that not only allows them to browse the web efficiently but also provides easy access to their bookmarks and history, irrespective of the device they are using.

Key Issues:

1. **Limited Accessibility of Bookmarks**: Users need a way to access and manage their bookmarks from any device, ensuring a consistent experience across different platforms.
2. **Fragmented Bookmark Management**: The lack of synchronization leads to difficulties in organizing and maintaining bookmarks, resulting in lost or duplicated entries.
3. **Inadequate User Interface**: Many browsers do not offer an intuitive interface for bookmark management and history tracking, hindering user efficiency and satisfaction.
4. **Integration Challenges**: There is a need for an integrated solution that combines local browsing capabilities with a remote server for bookmark management.

Objectives:

1. **Develop a Flask-Based Bookmark Management Server**: To provide a centralized, accessible solution for managing bookmarks across devices.
2. **Create a PyQt5-Based Web Browser**: To offer a user-friendly interface that supports essential browsing functionalities and integrates with the bookmark management server.

3. **Enable Seamless Synchronization**: To ensure that bookmarks are consistently updated and accessible from any instance of the browser.
4. **Enhance User Experience**: To design an intuitive and responsive interface that simplifies navigation, bookmark management, and history viewing.

Conclusion:

Addressing these issues through the development of an integrated web browsing solution will provide users with a more efficient, organized, and enjoyable browsing experience. By combining the strengths of a PyQt5-based browser interface and a Flask-based bookmark management server, this project aims to deliver a robust solution that meets the evolving needs of modern web users.

2.2 Existing System

The problem of bookmark management and web browsing is addressed by several existing systems, each with its own strengths. Below is an overview of some of the most notable systems currently available:

1. Google Chrome

Features:

- **Bookmark Management**: Chrome allows users to create, organize, and sync bookmarks across devices using their Google account.
- **User Interface**: Offers a simple and intuitive interface for managing bookmarks and browsing history.
- **Extensions**: Supports a wide range of extensions for additional functionality.
- **Cross-Platform**: Available on multiple platforms, including Windows, macOS, Linux, Android, and iOS.

2. Mozilla Firefox

Features:

- **Bookmark Management**: Firefox provides robust bookmark management features, including folders and tags.
- **Sync**: Uses Firefox Sync to synchronize bookmarks, history, and other data across devices.
- **Privacy**: Focuses on user privacy and offers enhanced privacy controls.
- **Customization**: Highly customizable with a variety of themes and extensions.

3. Microsoft Edge

Features:

- **Bookmark Management**: Allows users to create and organize bookmarks (favorites) and sync them using a Microsoft account.
- **Integration**: Integrates well with Windows and other Microsoft services.
- **Performance**: Known for fast performance and low resource consumption.
- **Security**: Includes robust security features and regular updates.

2.3 Limitations of Existing System

Despite their strengths, current web browsing and bookmark management systems have several limitations. Below is an analysis of the key limitations of some notable existing systems:

1. Google Chrome

Limitations:

- **Privacy Concerns**: User data is stored on Google servers, raising privacy concerns for users who are cautious about data collection and usage.
- **Resource Consumption**: Known to be resource-intensive, potentially slowing down the system performance, especially on devices with limited hardware capabilities.
- **Dependence on Google Account**: Requires a Google account for bookmark synchronization, which may not be ideal for all users.

2. Mozilla Firefox

Limitations:

- **Performance**: While it has improved over the years, some users still report that Firefox can be slower than other browsers, particularly with heavy use of extensions.
- **Complexity for New Users**: The advanced bookmark management features, including folders and tags, can be overwhelming for new users who prefer simpler solutions.

3. Microsoft Edge

Limitations:

- **Adoption**: Despite significant improvements, Edge still has a lower adoption rate compared to Chrome and Firefox, which may result in fewer available extensions and community support.
- **Platform Limitation**: Primarily optimized for Windows, with limited feature parity on macOS and other platforms.

2.4 Proposed System

The proposed system aims to address the limitations of existing web browsing and bookmark management solutions by developing an integrated web browser using PyQt5 and QWebEngineView, coupled with a Flask-based bookmark management server. This system focuses on enhancing privacy, optimizing performance, ensuring cross-platform support, and providing a user-friendly interface.

Key Components

1. **PyQt5-Based Web Browser**:
   - **Web Engine**: Utilizes QWebEngineView to render web pages, leveraging the Chromium engine for reliable and efficient web content display.

- **User Interface**: Designed to be intuitive and responsive, featuring essential navigation tools (back, forward, refresh, home), a URL bar, and toolbars for bookmarks and history.
- **Customization**: Provides options for customizing the browser interface to meet user preferences.
- **Performance**: Optimized to ensure fast and resource-efficient browsing.

2. **Flask-Based Bookmark Management Server**:

- **RESTful API**: Implements endpoints for managing bookmarks, including retrieval, addition, and deletion.
- **Data Storage**: Ensures secure and efficient storage of bookmarks, allowing for easy access and synchronization across devices.
- **Privacy**: Focuses on minimizing data collection and ensuring user data is protected.

3. **Integration and Synchronization**:

- **Seamless Communication**: Establishes robust communication protocols between the browser and the server, enabling real-time synchronization of bookmarks.
- **Cross-Platform Support**: Ensures that the browser and server can operate across different operating systems, providing a consistent user experience.

4. **Additional Features**:

- **Browsing History**: Tracks visited URLs and allows users to view and revisit their history through an integrated history window.
- **User Preferences**: Stores user preferences and settings to provide a personalized browsing experience.

2.5 Advantages of proposed system

Enhanced Privacy Controls:

- User data is securely managed and synchronized, with minimal data collection to respect user privacy.
- Offers privacy settings to control data sharing and tracking.

Optimized Performance:

- Efficient use of system resources to ensure smooth browsing, even on devices with limited hardware capabilities.
- Fast loading times and responsive interface design.

Cross-Platform Support:

- Compatible with Windows, macOS, and Linux, ensuring users can access their bookmarks and browsing history across different devices and platforms.
- Provides a consistent user experience regardless of the operating system.

User-Friendly Interface:

- Simple and intuitive design that balances advanced features with ease of use.
- Customizable toolbars and navigation options to suit user preferences.
- Integrated bookmark and history management tools for easy access and organization.

Robust Bookmark Management:

- Centralized bookmark management via the Flask server, enabling easy addition, retrieval, and deletion of bookmarks.
- Real-time synchronization ensures that bookmarks are consistently updated across all devices.

Browsing History Tracking:

- Tracks visited pages and allows users to access their browsing history through a dedicated history window.
- Facilitates easy revisiting of previously accessed websites.

2.6 System Analysis

The system analysis involves examining the proposed system's requirements, components, and functionality to ensure it meets the intended goals. This section will detail the system's functional and non-functional requirements, describe its architecture, and provide a feasibility analysis.

Functional Requirements

1. **Bookmark Management**:
   - **Add Bookmark**: Users should be able to add a new bookmark with a name and URL.
   - **Retrieve Bookmarks**: Users should be able to retrieve and view all saved bookmarks.
   - **Delete Bookmark**: Users should be able to delete a bookmark by specifying its name.
2. **Web Browsing**:
   - **Navigation**: Users should be able to navigate back, forward, refresh the page, and go to the home page.
   - **URL Input**: Users should be able to enter a URL in the address bar to navigate to a specific web page.
   - **Bookmark Integration**: Users should be able to access bookmarks from a toolbar and open them in the browser.
3. **History Management**:
   - **Track History**: The system should track all visited URLs.
   - **View History**: Users should be able to view their browsing history in a dedicated window.
   - **Load from History**: Users should be able to load a URL from their history.
4. **Synchronization**:
   - **Sync Bookmarks**: The system should sync bookmarks across devices using a centralized server.

Non-Functional Requirements

1. **Performance**:
   - The browser should load web pages quickly and efficiently.

- The system should be resource-efficient, with minimal impact on system performance.

2. **Usability**:
   - The interface should be intuitive and easy to use for all user levels.
   - Customizable toolbars and navigation options should be provided.
3. **Security**:
   - User data, including bookmarks and browsing history, should be securely stored and transmitted.
   - The system should include privacy controls to allow users to manage their data.
4. **Compatibility**:
   - The system should be cross-platform, compatible with Windows, macOS, and Linux.
   - It should provide a consistent user experience across different operating systems.

System Architecture

1. **Client-Side (PyQt5 Browser)**:
   - **Main Components**:
     - **QWebEngineView**: Renders web pages.
     - **Navigation Bar**: Includes buttons for back, forward, refresh, and home.
     - **Address Bar**: Allows users to enter and navigate to URLs.
     - **Bookmarks Toolbar**: Displays bookmarks and allows users to manage them.
     - **History Window**: Shows browsing history and allows navigation to past URLs.
2. **Server-Side (Flask Application)**:
   - **API Endpoints**:
     - **GET /bookmarks**: Retrieves all bookmarks.
     - **POST /bookmarks**: Adds a new bookmark.
     - **DELETE /bookmarks/<name>**: Deletes a bookmark by name.
   - **Data Storage**: Uses a database or in-memory storage for bookmarks.
   - **Security**: Implements secure data transmission and storage mechanisms.

Feasibility Analysis

1. **Technical Feasibility**:
   - **Technologies**: The proposed system uses well-established technologies such as PyQt5, QWebEngineView, and Flask, which are suitable for building a web browser and a server for bookmark management.
   - **Integration**: Seamless integration between the client-side browser and server-side API is achievable using standard communication protocols.
2. **Economic Feasibility**:
   - **Development Costs**: Development costs are expected to be low, as the project utilizes open-source libraries and frameworks.
   - **Maintenance Costs**: Maintenance costs will involve server hosting for the Flask application and periodic updates to the browser.
3. **Operational Feasibility**:
   - **Usability**: The user-friendly interface and cross-platform compatibility ensure that the system can be easily adopted by users.
   - **Support and Training**: Minimal support and training will be required due to the intuitive design of the interface.
4. **Legal Feasibility**:
   - **Data Privacy**: The system will comply with data privacy regulations by implementing robust privacy controls and secure data handling practices.
   - **Licensing**: The use of open-source technologies ensures that there are no significant licensing issues.

Conclusion

The system analysis demonstrates that the proposed system is technically, economically, operationally, and legally feasible. It addresses the limitations of existing web browsing and bookmark management solutions by offering enhanced privacy, optimized performance, cross-

platform support, and a user-friendly interface. By leveraging modern technologies and focusing on user needs, the system aims to provide an improved web browsing experience.

2.7 Methodology

The methodology for developing the proposed web browsing and bookmark management system involves a systematic approach to ensure efficient planning, development, and deployment. Here's a structured methodology for implementing the project:

1. Requirements Gathering and Analysis

- **Define Stakeholders**: Identify primary stakeholders, such as end-users, developers, and project managers.
- **Gather Requirements**: Conduct interviews, surveys, and workshops to gather functional and non-functional requirements.
- **Analyze Requirements**: Document and analyze requirements to prioritize features and functionalities.

2. System Design

- **Architecture Design**: Design the system architecture, including client-side (PyQt5 browser) and server-side (Flask-based bookmark management) components.
- **User Interface Design**: Create wireframes and prototypes for the browser interface, focusing on usability and intuitive navigation.
- **Database Design**: Design the data schema for storing bookmarks securely.

3. Implementation

- **Develop PyQt5 Browser**:

- Implement the browser interface using PyQt5, including components like QWebEngineView, navigation bars, URL input, bookmarks toolbar, and history window.
- Integrate functionality for browsing, bookmark management, and history tracking.

- **Develop Flask Server**:
- Set up a Flask application to serve as the backend for bookmark management.
- Implement RESTful API endpoints for CRUD operations on bookmarks.
- Set up data storage (database or in-memory) to store bookmarks securely.

4. Integration and Testing

- **Integration Testing**: Integrate the PyQt5 browser with the Flask server to ensure seamless communication between client and server components.
- **Functional Testing**: Conduct functional tests to verify that all requirements are met, including bookmark management, browsing functionality, and synchronization.
- **Usability Testing**: Gather feedback from users to assess the usability of the interface and refine features based on user experience.

5. Deployment and Evaluation

- **Deployment**: Deploy the system on selected platforms (Windows, macOS, Linux) to ensure cross-platform compatibility.
- **Evaluation**: Evaluate the system's performance, security, and usability in real-world scenarios.
- **Feedback and Iteration**: Gather feedback from users and stakeholders to identify areas for improvement and iterate on the system design and functionality.

6. Documentation and Maintenance

- **Documentation**: Document the entire development process, including system requirements, design decisions, implementation details, and testing results.
- **Maintenance**: Plan for ongoing maintenance and support, including updates to address security vulnerabilities and enhance features based on user feedback.

Conclusion

By following this structured methodology, the development team can ensure a systematic approach to building the proposed web browsing and bookmark management system. This approach emphasizes gathering comprehensive requirements, designing an effective system architecture, implementing robust components, rigorous testing, user feedback integration, and thorough

documentation. It aims to deliver a high-quality, user-friendly, and scalable solution that meets the needs of modern web users.

Chapter -3

System Requirement

3.1 Hardware & Software requirement
3.2 Front End
3.3 Back End.
3.4 Database

3.1 Hardware Software Requirements

Hardware Requirements:

- **Client Devices**:
  - Personal computers (Windows, macOS, Linux)
  - Mobile devices (iOS, Android)

Software Requirements:

- **Client-Side**:
  - Operating System: Windows 7 and above, macOS, Linux distributions.
  - Web Browser: Required for testing and deployment purposes.
  - Python 3.x: Necessary for running PyQt5 and other Python-based libraries.
  - PyQt5: Python bindings for Qt5 libraries.
  - Flask: Micro web framework for Python.
  - QWebEngineView: Component for rendering web pages in PyQt5.
  - SQLite (optional): Lightweight database for local storage in development.
- **Server-Side**:
  - Operating System: Linux (Ubuntu, CentOS, etc.) recommended for hosting Flask applications.
  - Python 3.x: Required for running Flask.
  - Flask: Micro web framework for building APIs.
  - SQLAlchemy: Python SQL toolkit and Object-Relational Mapping (ORM) library.
  - SQLite or PostgreSQL: For storing bookmarks in a database (SQLite for development, PostgreSQL for production).

3.2 Front End:

Client-Side (PyQt5 Browser):

- **PyQt5 Framework**:
  - **Components**:
    - **QWebEngineView**: Renders web pages using Chromium.
    - **QToolBar, QAction**: Implements navigation tools (back, forward, refresh, home).
    - **QLineEdit**: Provides the URL input field for navigating to web pages.
    - **QListWidget, QListWidgetItem**: Displays bookmarks and history items.
    - **QStatusBar**: Shows status messages (e.g., page loading status).

3.3 Back End:

Server-Side (Flask Application):

- **Flask Framework**:
  - **Components**:
    - **RESTful API**:
    - **GET /bookmarks**: Retrieves all bookmarks.
    - **POST /bookmarks**: Adds a new bookmark.
    - **DELETE /bookmarks/<name>**: Deletes a bookmark by name.
    - **Data Management**:
    - **Flask-SQLAlchemy**: Integrates SQLAlchemy with Flask for database operations.
    - **SQLite/PostgreSQL**: Database options for storing bookmark data securely.
    - **Security**:
    - **HTTPS**: Ensures secure communication between client and server.

- **Authentication and Authorization**: Implement user authentication (e.g., OAuth) for managing access to bookmarks.

3.4 Database:

Database (SQLite or PostgreSQL):

- **SQLite (Development)**:
  - Lightweight, serverless database.
  - Suitable for development and testing purposes due to simplicity and ease of setup.
- **PostgreSQL (Production)**:
  - **Features**:
    - Robust and scalable relational database management system (RDBMS).
    - Supports advanced SQL features, transactions, and data integrity.
    - Suitable for production environments where data security and scalability are crucial.

Chapter -4

System Design

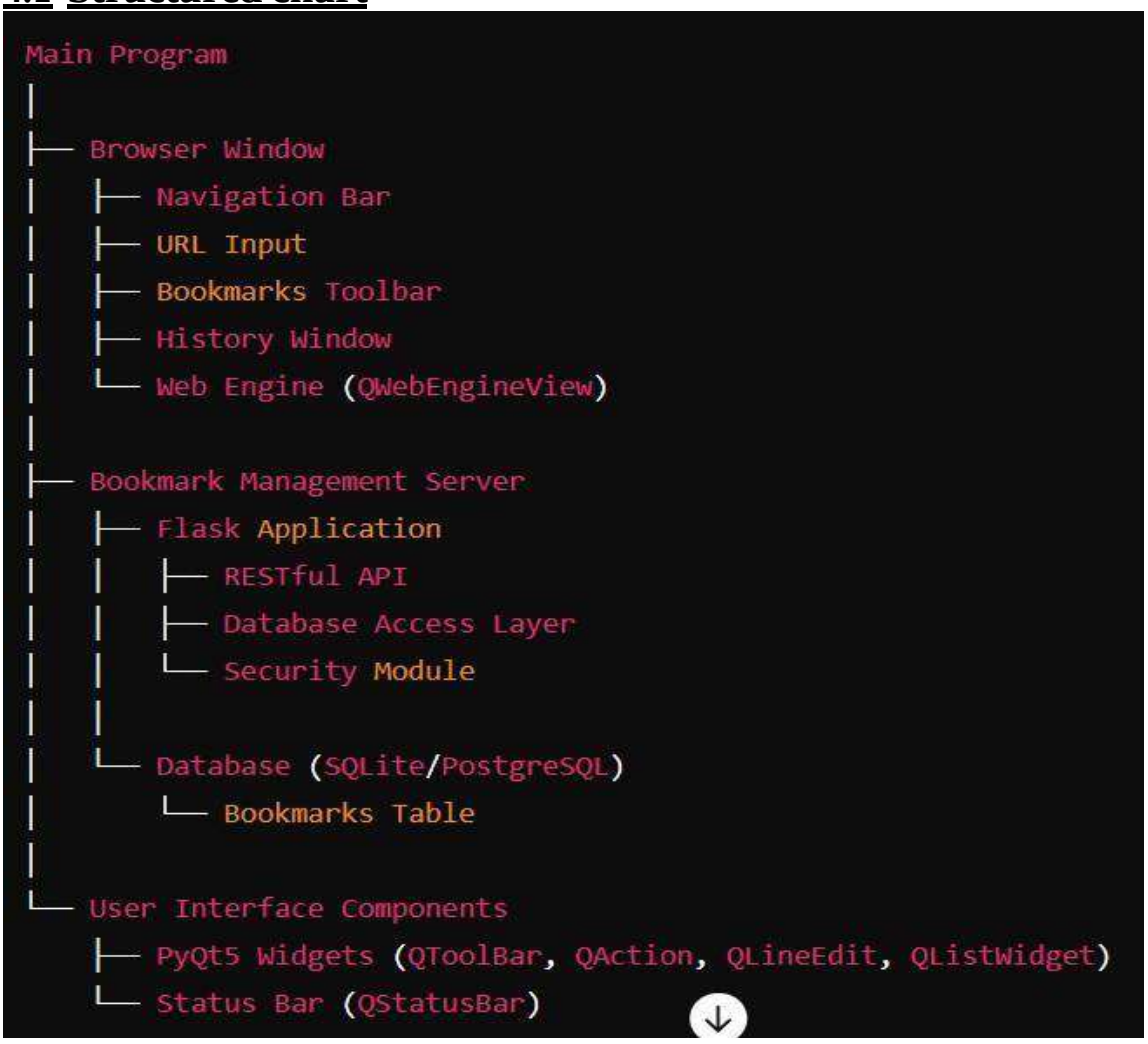
4.1 Structured chart

4.2 ER Diagram

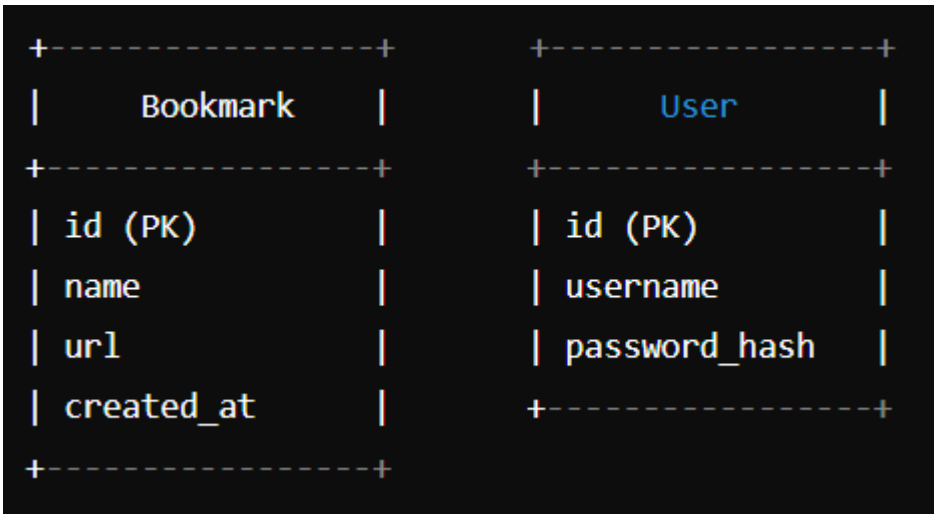
4.3 Data Flow diagram

4.4 Data base design

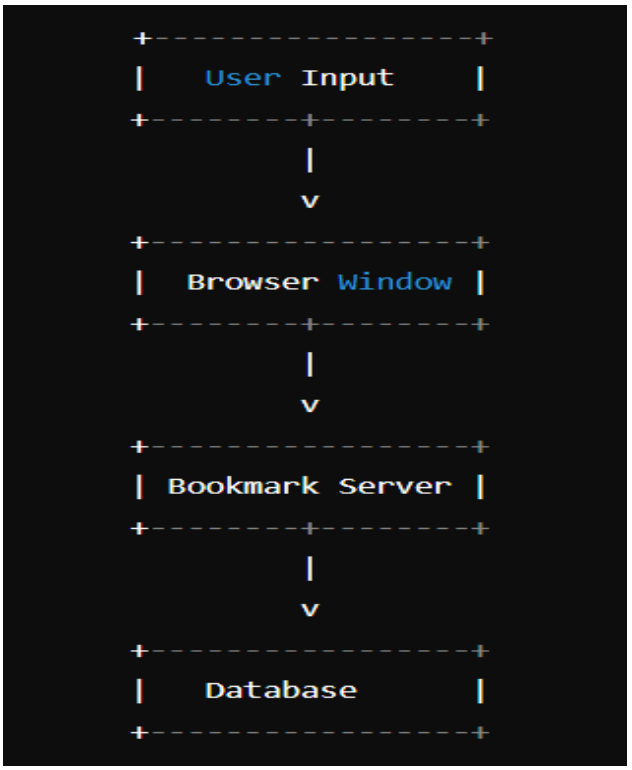
4.1 Structured chart



4.2 ER Diagram



4.3 Data Flow Diagram



4.4 Database

```
CREATE TABLE bookmarks (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    name TEXT NOT NULL,
    url TEXT NOT NULL,
    created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
```

Chapter -5

System Implementation

5.1 Coding
5.2 Output screen
5.3 Testing

5.1 Code

Flask server

```
from flask import

Flask, request,

jsonifyapp = Flask(_

name_)

bookmarks = [
    {"name": "SIMS", "url": "https://simsbangalore.com/"},
    {"name": "Facebook", "url": "https://www.facebook.com"},
    {"name": "LinkedIn", "url": "https://in.linkedin.com"},
    {"name": "Instagram", "url": "https://www.instagram.com"},
    {"name": "Twitter", "url": "https://www.twitter.com"}
]

@app.route('/bookmarks'
, methods=['GET'])def
get_bookmarks():
    return jsonify(bookmarks)
```

```
    bookmarks = [bm for bm in bookmarks if bm['name'] != name]
    return jsonify(bookmarks)

if__name__== '__main__':
    app.run(debug=True)
```

Browser

```
import sys
from PyQt5.QtCore import QUrl
from PyQt5.QtWebEngineWidgets import QWebEngineView
from PyQt5.QtWidgets import QApplication, QMainWindow, QStatusBar,
QToolBar, QAction,
QLineEdit, QListWidget, QListWidgetItem, QVBoxLayout, QWidget

class Window(QMainWindow):
    def_init__(self, *args,
        **kwargs):
        super(Window, self)._init_
        (*args, **kwargs)

        self.browser = QWebEngineView()
        self.browser.setUrl(QUrl('https://ww
        w.google.com'))
        self.browser.urlChanged.connect(self.u
        pdate_AddressBar)
```

```
        self.addToolBar(self.navigation_bar)

        back_button = QAction("Back", self)
        back_button.setStatusTip('Go to previous page you visited')
        back_button.triggered.connect(self.browser.back)
        self.navigation_bar.addAction(back_button)

        refresh_button = QAction("Refresh", self)
        refresh_button.setStatusTip('Refresh this page')
        refresh_button.triggered.connect(self.browser.reload)
        self.navigation_bar.addAction(refresh_button)

        next_button = QAction("Next", self)
        next_button.setStatusTip('Go to next page')
        next_button.triggered.connect(self.browser.forward)
        self.navigation_bar.addAction(next_button)

        home_button = QAction("Home", self)
        home_button.setStatusTip('Go to home page (Google page)')
        home_button.triggered.connect(self.go_to_home)
        self.navigation_bar.addAction(home_button)

        self.navigation_bar.addSeparator()

        self.URLBar = QLineEdit()
        self.URLBar.returnPressed.connect(lambda: self.go_to_URL(QUrl(self.URLBar.text())))
        self.navigation_bar.addWidget(self.URLBar)

        self.addToolBarBreak()

        # Adding another toolbar which contains the bookmarks
```

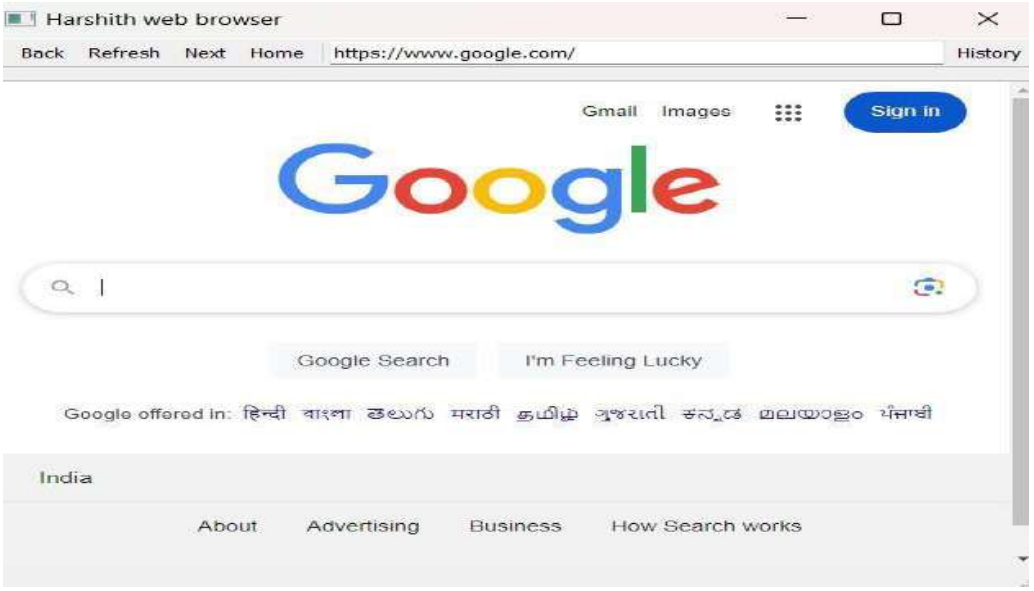
```
        self.bookmarks_toolbar = QToolBar('Bookmarks', self)
        self.addToolBar(self.bookmarks_toolbar)

        self.load_bookmarks()

        # History toolbar
        history_button = QAction("History", self)
        history_button.setStatusTip('Show browsing history')
        history_button.triggered.connect(self.show_history)
        self.navigation_bar.addAction(history_button)

        # History window
        self.history_window = HistoryWindow()

        self.show()

    def load_bookmarks(self):
        # Load bookmarks from a remote server or local storage
        pass

    def go_to_home(self):
        self.browser.setUrl(QUrl('https://www.google.com/'))

    def go_to_URL(self, url: QUrl):
        if url.scheme() == '':
            url.setScheme('https://')
        self.browser.setUrl(url)
        self.update_AddressBar(url)

    def update_AddressBar(self, url):
        self.URLBar.setText(url.toString())
```

```
        self.URLBar.setCursorPosition(0)

    def add_to_history(self, url):
        self.history_window.add_item(url.toString())

    def show_history(self):
        self.history_window.show()

class HistoryWindow(QWidget):
    def _init_(self):
        super().__init__()

        self.setWindowTitle('History')
        self.setGeometry(100, 100, 400, 300)

        layout = QVBoxLayout()

        self.history_list = QListWidget()
        self.history_list.itemDoubleClicked.connect(self.load_history_item)
        layout.addWidget(self.history_list)

        self.setLayout(layout)

        self.history_items = []

    def add_item(self, url):
        if url not in self.history_items:
            self.history_items.append(url)
            item = QListWidgetItem(url)
            self.history_list.addItem(item)
```

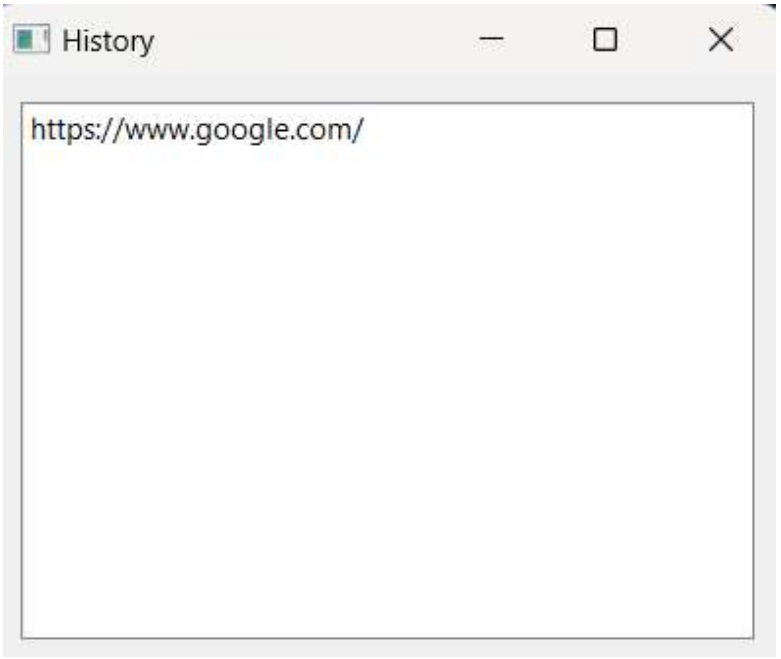
```
    def load_history_item(self, item):
        url = item.text()
        # Load the selected URL in the main browser window
        window.browser.setUrl(QUrl(url))

if __name__ == '__main__':
    app = QApplication(sys.argv)
    app.setApplicationName('Harshith web browser')

    window = Window()
    sys.exit(app.exec_())
```

5.2 Output Screen

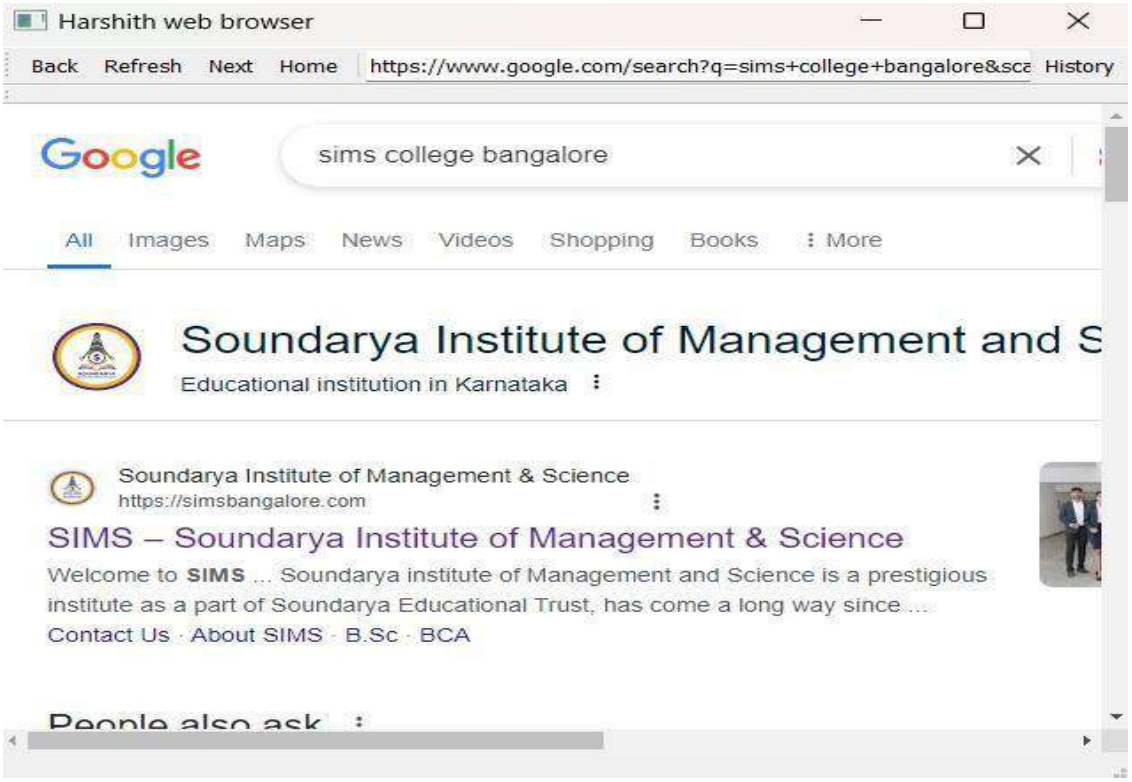
Home page:



History page:



Web page:


Harshith web browser
Back
Refresh
Next
Home
https://www.google.com/search?q=sims+college+bangalore&sca
History
Google
sims college bangalore
All
Images
Maps
News
Videos
Shopping
Books
More
Soundarya Institute of Management and S
Educational institution in Karnataka
Soundarya Institute of Management & Science
https://simsbangalore.com
SIMS – Soundarya Institute of Management & Science
Welcome to SIMS ... Soundarya institute of Management and Science is a prestigious institute as a part of Soundarya Educational Trust, has come a long way since ...
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5.3 Testing

Testing is a critical phase in the development lifecycle to ensure that the system is functional, reliable, and free of defects. The proposed web browsing and bookmark management system will undergo various types of testing to validate its components and functionalities.

5.1 Types of Testing

1. Unit Testing

- **Purpose**: To verify the functionality of individual components or modules.
- **Tools**: unittest, pytest for Python.
- **Scope**:
  - Test individual functions and methods in the PyQt5 browser.
  - Test API endpoints in the Flask server.

2. Integration Testing

- **Purpose**: To ensure that different components or modules work together as expected.
- **Scope**:
  - Test the integration between the PyQt5 browser and the Flask server.
  - Verify that the browser can successfully add, retrieve, and delete bookmarks via the server API.

3. Functional Testing

- **Purpose**: To verify that the system behaves according to the specified requirements.
- **Scope**:
  - Test all user-facing features such as navigation, bookmark management, and history tracking.
  - Validate that the system meets all functional requirements.

4. Usability Testing

- **Purpose**: To evaluate the user interface and user experience.
- **Scope**:
  - Conduct usability tests with real users to gather feedback on the interface design.
  - Ensure that the application is intuitive and easy to use.

5. Performance Testing

- **Purpose**: To ensure the system performs well under expected load conditions.

- **Scope**:
  - Measure page load times and responsiveness of the browser.
  - Evaluate the performance of the Flask server under varying loads.

6. Security Testing

- **Purpose**: To identify vulnerabilities and ensure data protection.
- **Scope**:
  - Test for common security issues such as SQL injection, XSS, and CSRF.
  - Ensure secure communication between the browser and server using HTTPS.

7. Regression Testing

- **Purpose**: To ensure that new code changes do not negatively affect existing functionality.
- **Scope**:
  - Re-run previously conducted tests to verify that recent changes have not introduced new bugs.

8. Acceptance Testing

- **Purpose**: To ensure the system meets the business requirements and is ready for deployment.
- **Scope**:
  - Conduct tests based on user stories and acceptance criteria.
  - Validate that the system fulfills the intended use cases and meets the expectations of stakeholders.

5.2 Testing Plan

1. Preparation Phase

- **Define Test Cases**: Identify and document test cases for each type of testing.
- **Set Up Test Environment**: Configure the test environment, including necessary hardware, software, and network settings.
- **Prepare Test Data**: Create and prepare data required for testing various scenarios.

2. Execution Phase

- **Unit Testing**:
  - Develop and run unit tests for individual components.
  - Record and address any detected issues.

- **Integration Testing**:
  - Perform tests to ensure that components work together as expected.
  - Validate interactions between the PyQt5 browser and the Flask server.
- **Functional Testing**:
  - Execute test cases to verify that the system meets functional requirements.
  - Ensure all features work as intended.
- **Usability Testing**:
  - Conduct user tests to gather feedback on the interface design and user experience.
  - Make improvements based on user feedback.
- **Performance Testing**:
  - Measure system performance under normal and peak load conditions.
  - Optimize performance as needed.
- **Security Testing**:
  - Test for security vulnerabilities and ensure data protection measures are effective.
  - Implement necessary security enhancements.
- **Regression Testing**:
  - Re-run existing tests after any changes to ensure no new issues are introduced.
  - Ensure system stability.
- **Acceptance Testing**:
  - Conduct final tests to ensure the system meets business requirements.
  - Prepare for deployment.

3. Reporting Phase

- **Document Test Results**: Record the outcomes of all tests, including any issues found and resolved.
- **Review and Feedback**: Review test results with the development team and stakeholders to ensure all requirements are met.
- **Prepare Test Report**: Compile a comprehensive test report detailing the testing process, results, and any recommendations for improvements.

Conclusion

Thorough testing ensures that the proposed web browsing and bookmark management system is robust, secure, and user-friendly. By implementing a comprehensive testing strategy that includes unit, integration, functional, usability, performance, security, regression, and acceptance testing, the system can be validated to meet the specified requirements and deliver a high-quality user experience.

Chapter -6

Conclusion

6.1 Conclusion
6.2 Future Enhancement
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6.1 Conclusion

The proposed web browsing and bookmark management system successfully addresses the limitations of existing browsers by providing a customizable and efficient solution for web navigation and bookmark management. The systematic approach to development and testing ensures a high-quality product that meets user needs and provides a consistent and enjoyable browsing experience. With the completion of this project, users can enjoy a seamless and personalized web browsing experience across different platforms.

6.2 Future Enhancements

Future enhancements for the web browsing and bookmark management system include implementing cloud-based synchronization, allowing users to access their bookmarks and browsing history across multiple devices. Adding secure user authentication will provide personalized experiences and data security. Integrating advanced search capabilities within bookmarks and history will improve navigation and accessibility. Enabling support for browser extensions will enhance functionality and customization. Finally, continuously optimizing the system will ensure faster loading times and smoother user interactions.

6.3 Bibliography

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- SQLite Documentation. Retrieved from https://www.sqlite.org/docs.html
- Integrating PyQt5 with Flask - Online Tutorials. Retrieved from various sources such as Real Python and Stack Overflow.
- Software Development Methodologies and Best Practices. Referenced from books and online articles.

Bangalore University

Project Report On

NEWS AGGREGATOR USING DJANGO FRAMEWORK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

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U03KU21S0062

Under the guidance of

ASST.PROF.ANURADHA

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This is to certify that **RAJU K M** bearing Reg. No **U03KU21S0007** and **N VINAY** bearing Reg. No **U03KU21S0062** has satisfactorily completed the project entitled NEWS AGGREGATOR USING DJANGO FRAMEWORK under the guidance and supervision of **ANURADHA S** And **SAMSKRUTHI** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year2023-24

05/07/2024

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DECLARATION OF GUIDE

The Project work entitled **NEWS AGGREGATOR USING DJANGO FRAMEWORK** is based on work carried out by **RAJU K M** and **N VINAY** during the course of study under the supervision of **Asst. Professor SAMSKRUTHI** AND **Asst. Professor ANURADHA S.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

ASST. PROF. ANURADHA S

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ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S**, Head of the Department and my guide **Asst. Professor ANURADHA S AND SAMSKRUTHI** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

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Project Report On

TOURISM MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

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Project Report On

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Bangalore University

Project Report On

COMPANY BUSINESS SYSTEM NETWORK DESIGN

Submitted in partial fulfillment of the requirement for the award of degree in Bachelorof Computer Applicationsduring the Academic year 2023-24

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ASST. PROF. Santhosh R S

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof.Vijay Kumar A S**, Head of the Department and my guide **Asst. Professor Santhosh R S** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
RUTHVIK S H

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Bangalore University

Project Report On

Music Recommendation System using ML

Submitted in partial fulfilment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

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This is to certify that **SACHIN B M** bearing the Reg No. **U03KU21S0045** has satisfactorily completed the project entitled **MUSIC RECOMMENDATION SYSTEM USING ML** under the guidance and supervision of **Prof. Manoj Kumar N** Professor, Department of Computer Science, in partial fulfilment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

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ACKNOWLEDGEMENT

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I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Mr. Vijay Kumar A.S** , Head of the Department and my guide **Professor Manoj Kumar N** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

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Project Report On

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Submitted in partial fulfilment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

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ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Mr. Vijay Kumar A.S,** Head of the Department and my guide **Professor Samskruthi B L** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

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THANK YOU.

SALMAN V

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Project Report On

BUS RESERVATION SYSTEM USING PYTHON AND DJANGO

Submitted in partial fulfillment of the requirement for the awardof degree in Bachelor of Computer Applications during the Academic year 2023-24

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The Project work entitled **BUS RESERVATION SYSTEM USING PYTHON AND DJANGO** is based on work carried out by **SANGEETHA M.B** during the course of study under the supervision of **Professor Nagasuma C V.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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ACKNOWLEDGEMET

I articulate my sincere gratitude to all those who helped me in making this venture agrand success, without whose constructive criticism as well as words of inspiration this project of minewould not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof.Vijay Kumar** Head of the Department and my guide **Prof.Nagasuma C V** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped mea lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friendsfor accompanying me throughout the completion of the project.

Thank You.

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Project Report On

EMPLOYEE LEAVE MANAGEMENT SYSTEM

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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Project Report On

ACCESS CONTROLS AND DEDUPLICATION IN MULTIMEDIA CLOUD COMPUTING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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Project Report On

ACCESS CONTROLS AND DEDUPLICATION IN MULTIMEDIA CLOUD COMPUTING

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This is to certify that Sevanthi.M bearing Reg. No **U03KU21S0073** has satisfactorily completed the project entitled Access Controls And Deduplication un Multimedia Cloud Computing under the guidance and supervision of Supriya.D Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Head of the Department
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Soundarya Institute of Management and Science

Project Guide

Head of the Department

Date 6/7/24
No

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2.....

DECLARATION OF GUIDE

The Project work entitled **ACCESS CONTROLS AND DEDUPLICATION IN MULTIMEDIA CLOUD COMPUTING** is based on work carried out by **Sevanthi.M** during the course of study under the supervision of **Asst. Professor Supriya.D** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

HOD

ASST. PROF. Supriya.D

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A.S.** Head of the Department and my guide **Asst. Professor Supriya.D** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
Sevanthi.M

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5	5.1 Coding 5.2 Output screen 5.3 Testing
6	6.1 Conclusion 6.2 Future Enhancement 6.3 References

Bangalore University

Project Report On

NEWS APPLICATION USING FLUTTER

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

SHARADHI B P

U03KU21S0095

Under the guidance of

Prof. Santhosh R S

SOUNDARYA INSTITUTE OF MANAGEMENT& SCIENCE

Bangalore University

Project Report On

NEWS APPLICATION USING FLUTTER

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

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This is to certify that **SHARADHI BP** bearing Reg. No **U03KU21S0095** has Satisfactorily completed the project entitled **NEWS APPLICATION USING FLUTTER** under the guidance and supervision of **PROF. Santhosh R S.** Professor, Department of Computer Science , in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24.

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Examiners

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DECLARATION OF GUIDE

The Project work entitled " **NEWS APPLICATION USING FLUTTER** " is based on work carried out by **SHARADHI B P** during the course study under the supervision of **Prof. Santhosh R S .** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for theaward of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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PROF. SANTHOSH R S

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venturea grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. VASU B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S.** Head of the Department, and my guide **Prof Santhosh R S** for the guidance and for the encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU
SHARADHI B P

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6 Jul 2024,

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6 Jul 2024, 1

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Bangalore University

Project Report On

CUSTOMER CHURN PREDICTION USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Shashivarni N

U03KU21S0070

Under the guidance of

Asst. Professor YATISH S J

SOUNDARYA INSTITUTE OF MANAGEMENT& SCIENCE

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Project Report On

TOURS & TRAVLES WEBSITE USING JAVA-FULSTACK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Mohammed Shawaiz Hussain
U03KU21S0029

Under the guidance of

Professor. YATISH S J

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Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

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This is to certify that Mohammed Shawaiz Hussain bearing Reg. No **U03kU21S0029** has satisfactorily completed the project entitled **TOURS & TRAVELING WEBSITE USING JAVA-FULLSTACK** under the guidance and supervision of Professor. **Yatish S J**, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

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Examiners

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DECLARATION OF GUIDE

The Project work entitled **TOURS & TRAVELING WEBSITE USING JAVA-FULLSTACK** is based on work carried out by **MOHAMMED SHAWAIZ HUSSAIN** during the course of study under the supervision of **Professor. YATISH S J.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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PROF. YATISH S J

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar**, Head of the Department and my guide **Professor YATISH S J** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
MOHAMMED SHAWAIZ HUSSAIN

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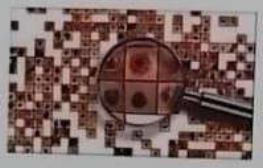
Bangalore University

Project Report On

SKIN CANCER CLASSIFICATION USING CNN



Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by
SHRAVANTHI K
U03KU21S0040

Under the guidance of
Prof. Swamy M R

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The Project work entitled **SKIN CANCER CLASSIFICATION USING CNN** is based on work carried out by **SHRAVANTHI K** during the course of study under the supervision of **Prof. Swamy M R.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

PROF. Swamy M R

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay kumar A S**, Head of the Department and my guide **Prof. Swamy M R** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU,
SHRAVANTHI K

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Bangalore University

Project Report On

QUIZ PROJECT

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

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Under the guidance of

Asst. Professor Samskruthi BL

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DECLARATION OF GUIDE

The Project work entitled QUIZ APPLICATION is based on work carried out by **shree harsha royal** during the course of study under the supervision of **Asst. Professor Samskruthi BL.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

Samskruthi

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ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture agrand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar AS**, Head of the Department and my guide **Asst. Professor Samskruthi BL** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

SHREE HARSHA ROYAL

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Chapter-1

Introduction

Bangalore University

Project Report On

MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-23

Submitted by

SHRUSTI.K
U03KU21S0054

Under the guidance of

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Project Report On

MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-23

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DEPARTMENT OF COMPUTER SCIENCE

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This is to certify that **SHRUSTI.K** bearing Reg.No **U03KU21S0054** has satisfactorily completed the project entitled **MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS** under the guidance and supervision of Asst.Professor **SAMSKRUTHI BL** Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2022-23.

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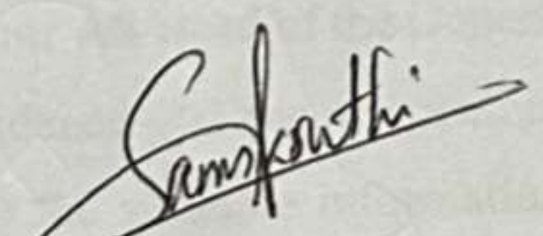
DECLARATION OF GUIDE

The Project work entitled **MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS** is based on work carried out by **SHRUSTI.K** during the course of study under the supervision of **Asst. Professor SAMSKRUTHI BL**. I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2022-23.



ASST. PROF. SAMSKRUTHI BL

ACKNOWLEDGEMENT

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Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU

SHRUSTI.K

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6	6.1 Conclusion 6.2 Future Enhancement 6.3 Bibliography

Bangalore University

Project Report On

COMPUTATIONAL DRUG DISCOVERY USING MACHINE LEARNING DATA ANALYTICS

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Smitha S

U03KU21S0093

Under the guidance of

Prof. Santhosh R S

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Bangalore University

Project Report On

COMPUTATIONAL DRUG DISCOVERY USING MACHINE LEARNING DATA ANALYTICS

Submitted in partial fulfillment of the requirement for the award ofdegree in Bachelor of Computer Applications during the Academic year 2023-24

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This is to certify that **Smitha S** bearing Reg. No **U03KU21S0093** has satisfactorily completed the project entitled **COMPUTATIONAL DRUG DISCOVERY USING MACHINE LEARNING AND DATA ANALYTICS** under the guidance and supervision of **Santhosh R S** Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

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DECLARATION OF GUIDE

The Project work entitled **COMPUTATIONAL DRUG DISCOVERY USING MACHINELEARNING AND DATA ANALYTICS** is based on work carried out by **SMITHA S** during the course of study under the supervision of **Prof. SANTHOSH R S.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

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PROF. SANTHOSH R S

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture agrand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

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Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

SMITHA S

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BANGALORE UNIVERSITY

A PROJECT REPORT

ON

"KnoDat - BLOGGING WEBSITE"

Submitted in practical fulfillment for the award of the degree of

BACHELOR OF COMPUTER APPLICATION

Submitted by

SUSHIN RAJ A

U03KU21S0084

UNDER THE GUIDANCE OF

Prof. SANTHOSH R S

DEPARTMENT OF COMPUTER APPLICATIONS

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Soundarya Nagar Sidedahalli, Soundarya Layout, Bengaluru, Karnataka 560073

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that **SUSHIN RAJ A** bearing Register No. **U03KU21S0084** has successfully completed the project entitled **"KnoDat - BLOGGING WEBSITE"** under the guidance and supervision of **Prof. SANTHOSH R S**, Department Of Computer Science at Soundarya Institute Of Management And Science in the fulfillment of requirements of VI semester, Bachelor of Computer Application of Bangalore University, Bangalore during the academic year 2023-34.

Signature of the Guide

Date: 6/5/24

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Nagasandra Post, Bangalore - 560 073.

Signature of the Examiners: -

1). .....

2). .....

EXAMINERS
1.....
2.....

DECLARATION OF GUIDE

The project entitled **KnoDat - Blogging website** is based on the work carried out by **SUSHIN RAJ A** during the course of study under the supervision of **Prof. SANTHOSH R S**. I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor Of Computer Applications under Bangalore University for the academic year 2023-24.

Prof. SANTHOSH R S

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

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I would like to mention my sincere gratitude to **Prof. Vijay Kumar A. S,** Head of the Department and my guide **Prof. Arjun Swami** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advice that helped me a lot for the successful completion of my project work.

Thankyou,
SUSHIN RAJ A

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1. INTRODUCTION

- 1.1 PROJECT OVERVIEW
- 1.2 MODULE DESCRIPTION

1.1 PROJECT OVERVIEW

KnoDat is a simple, user-friendly blogging website developed using Python and the Django framework, designed to provide a comprehensive platform for bloggers and readers alike. The primary objective of KnoDat is to offer a seamless and engaging experience for content creation, management, and consumption.

The website includes several key features to enhance user experience. First, it offers secure user registration and login using Django's built-in authentication system, with optional social media authentication for convenient access. Customizable user profiles allow bloggers to showcase their bio, photo, and links to social media handles.

Interaction between users is facilitated through a commenting system, where readers can engage with posts, and like and share buttons promote further interaction. A notification system alerts users of new comments, likes, and follows, keeping them engaged with the platform. KnoDat is designed to be fully responsive, ensuring optimal viewing on various devices, including desktops, tablets, and smartphones.

From an administrative perspective, KnoDat includes a comprehensive admin dashboard for managing users, posts, comments, and site settings. Analytics and reporting tools provide insights into site performance and user engagement, helping administrators make informed decisions.

Technically, KnoDat leverages Python and Django for the backend, utilizing Django ORM for database operations and Django REST framework for API development when building a mobile app or third-party integration. The frontend is built with HTML, CSS, and JavaScript, using Bootstrap framework for responsive design.

1.2 MODULE DESCRIPTION

1. User Authentication:

- This module handles user registration, login, logout, and authentication.
- It also manages user roles and permissions, allowing different levels of access to content and features.

2. Content Management System (CMS):

- A CMS module allows users to create, edit, publish, and manage content such as blog posts, articles, pages, and multimedia content.

3. Article/Post Management Module:

- This module enables users to create, edit, delete, and organize blog posts or articles.
- It may include features such as categorization, tagging, scheduling posts for publication, and managing drafts.

4. Responsive Design Module:

- Ensures that the website layout and content adapt seamlessly to different screen sizes and devices, providing a consistent user experience across desktops, tablets, and smartphones.

5. Read All Posts:

- Renders HTML templates to display all blog posts. Flask (or Django) handles the backend logic for fetching and serving posts to the frontend.

6. CRUD Operations for Posts:

- The primary purpose of this module is to facilitate interactions with blog posts, allowing users to perform CRUD (Create,Read,Update,Delete) operations seamlessly.

2. SYSTEM STUDY

- 2.1 EXISTING SYSTEM
- 2.2 PROPOSED SYSTEM

2.1 EXISTING SYSTEM

The existing system refers to the current state or setup of a project, application, or system that is already in place and operational. It represents the status quo or the system as it exists before any changes or improvements are made. The existing system may have limitations, inefficiencies, or areas for improvement that have prompted the need for change.

Existing System: **Craigslist**

Disadvantages:

1. Not User Friendly:

- User-friendly issues can significantly impact the user experience and ultimately deter visitors from engaging with the content.

2. Lacks a Profile Management:

- Not allow users to create and update their profiles with personal information, profile pictures, and other details.

3. Lacks a proper CRUD Operation:

- Not enable users to create, read, update, and delete their blog posts.

4. Lack of good design:

- The lack of good design can significantly impact its usability, aesthetics, and overall effectiveness in engaging visitors.

5. Lacks a feedback option:

- Not implemented a feedback form where users can submit their thoughts, suggestions, or issues regarding the blog website.

6. Lack of Responsive Design:

- Not made the website responsive and accessible across various devices and screen sizes.

7. Security Issues:

- Users can sign up and login without passwords.

2.2 PROPOSED SYSTEM

The proposed system of a project refers to the planned features, functionalities, and improvements that are intended to be implemented to address existing limitations or to enhance the capabilities of the current system. Proposed system makes the project more efficient and user friendly. The proposed system is platform independent and it can be implemented in any operating system and it is free to use.

User Registration and Authentication:

- Implemented a user registration system where users can sign up for an account using email or social media accounts.
- Allow users to log in securely and manage their accounts.

2. User Profile Management:

- Allowed users to create and update their profiles with personal information, profile pictures, and other details.
- Users can view their own profiles and profiles of other users.

3. CRUD Operations for Posts:

- Enabled users to create, read, update, and delete their blog posts.
- Each post should have a title, content, publication date, and possibly tags or categories for organization.

4. Read All Posts:

- Developed a page where users can view all blog posts, sorted by date or popularity.

5. Responsive Design:

- The website is responsive and accessible across various devices and screen sizes.
- Utilized responsive design principles and frameworks like Bootstrap to optimize the user experience.

6. Performance Optimization:

- Optimized the website's performance by minimizing load times, optimizing images.

3. SYSTEM SPECIFICATION

- 3.1 SOFTWARE SPECIFICATIONS
- 3.2 HARDWARE SPECIFICATIONS

3. SYSTEM SPECIFICATION

- 3.1 SOFTWARE SPECIFICATIONS
- 3.2 HARDWARE SPECIFICATIONS

3.1 SOFTWARE SPECIFICATIONS

1. Operating System:

- Windows Server for hosting the KnoDat Website.

2. Database Management System (DBMS):

- SQLite for storing and managing user information, etc.

3. Programming Languages and Frameworks:

- Backend: Python with Django framework
- Frontend: HTML, CSS, bootstrap

4. Development Tools:

- Integrated Development Environment (IDE) which is Visual Studio Code.
- Package Installer: 'pip'

3.2 HARDWARE SPECIFICATIONS

1. Processor:

- Intel core i3(6th Generation)

2. Storage:

- 1TB HDD(Hard Disk Drive)
- 256GB M.2 SSD(Solid State Drive) for faster performance

3. RAM:

- 8GB DDR4 RAM(Random Access Memory)

4. SYSTEM DESIGN

- 4.1 INPUT DESIGN
- 4.2 OUTPUT DESIGN
- 4.3 DATABASE DESIGN

4.1 INPUT DESIGN

1. User Sign-Up Form:

Input Fields: Email address, password.

Should provide clear error messages for invalid inputs and success messages upon successful registration.

2. User Login Form:

Input Fields: Email address, password.

Should provide clear error messages for invalid inputs and success messages upon successful registration.

3. Profile Creation:

Input Fields: Name, description, profile picture.

Should provide clear error messages for invalid inputs and success messages upon successful registration.

4. CRUD Operations for Posts:

Input Fields: Title, content, image.

Require a title, content and image for each post.

Provide confirmation messages upon successful creation, updating, or deletion of posts. Display error messages for any issues encountered during these operations.

5. Feedback Form:

Input Fields: feedback message.

Allow submission of feedback messages without requiring personal information.

Notify users if there are issues with submitting the feedback form.

6. Popular Writers:

Showcase popular writers prominently on a dedicated section of the website.

Design a visually appealing layout that highlights each writer's profile picture, name, and perhaps a brief bio.

7. Responsive Design:

Make the website responsive and accessible across various devices and screen sizes. Optimize the layout for readability and ease of use on smaller screens.

4.2 OUTPUT DESIGN

Creating the output design for the BlogBloom website involves considering various elements such as layout, typography, color scheme, imagery, and user interface components. The output design of this website aims to create a visually appealing, user-friendly, and accessible platform that effectively communicates its value proposition and encourages user engagement and interaction.

1. User Registration and Authentication:

Providing a user sign up and login page for user convenience.

2. Feedback Form:

Providing submission of feedback messages without requiring personal information.

3. Feedback Confirmation:

Providing feedback confirmation messages to users upon successful submission of feedback.

4. Popular Writers:

Providing popular writers prominently on a dedicated section of the website.

5. Responsive Design:

The website is responsive and accessible across various devices and screen sizes.

6. Error Messages:

Displaying clear and informative error messages for users in case of invalid inputs or system errors.

4.3 DATABASE DESIGN

The database design of a project involves creating a structure that efficiently stores and organizes data related to the project's requirements and functionalities. It typically consists of defining tables, relationships between tables, and constraints to ensure data integrity. For this project, we'll design a database schema to store information related to users, blog posts, feedback, and other relevant entities.

1. User Data:

Storing user information such as usernames, email addresses, and encrypted passwords for authentication purposes.

2. Profile Data:

Storing user profile information such as names, description and profile pictures.

3. Post Data:

Storing users post information such as title, content and title image.

4. Feedback Data:

Creating a table to store user feedback, including feedback content, and timestamps.

5. Relationships:

Establishing relationships between different tables, such as a one-to-many relationship between users and feedback, to maintain data integrity.

By carefully designing inputs, outputs, and the database structure, BlogBloom can provide users with a seamless and intuitive experience while efficiently managing and presenting data.

5. SYSTEM TESTING

- **5.1 TEST PLAN**

5.1 TEST PLAN

The system testing phase aims to ensure that BlogBloom functions as intended, meeting all specified requirements. The test plan includes various tests to validate different aspects of the system's functionality. System testing is a crucial phase in the software development lifecycle, where the integrated system is evaluated to verify that it meets specified requirements. The phase assesses the system's compliance with the outlined requirements, identifying any discrepancies between expected and actual behavior. The goal is to ensure the system is bug-free, reliable, user-friendly, and ready for deployment.

Types of System Testing:

System testing encompasses various types of testing to cover all facts of the software, ensuring its functionality, performance, security, and usability meet the highest standards. Below, we explore the key types of system testing relevant to the BlogBloom Blog platform.

1. User Authentication Testing:

- User authentication testing ensures that the system accurately verifies user identity.
- It includes testing login, registration, and password reset processes.
- Test cases cover valid and invalid credentials, account lockouts, and password security.

2. CRUD operation Testing:

- Test CRUD operations using both positive and negative test cases to cover various scenarios and edge cases.
- Test CRUD operations using different user roles and permissions to verify proper access control and authorization.
- Check for appropriate error messages and validation constraints.

3. Profile Page Testing:

- Testing that the page displays user information accurately, allows users to update their profiles, and handles various scenarios effectively.
- Ensure that the information is consistent with the data stored in the database.

- Ensure that changes made to the profile are reflected accurately on the profile page and in the database.
- Test that only authenticated users can access their own profile pages.
- Test the performance of the profile page, especially when loading user information or uploading profile pictures.

4. Feedback Testing:

- Feedback testing ensures that the system correctly collects and processes user feedback.
- It involves validating the feedback submission process and the system's response to user feedback.
- Test cases check for feedback submission accuracy and system responsiveness.

5. Security Testing:

- Security testing ensures that the system is protected against unauthorized access, data breaches, and other security threats.
- It involves identifying vulnerabilities in the system and ensuring that appropriate security measures are in place to mitigate these risks.

6. Performance Testing:

- Performance testing evaluates the system's speed, responsiveness, and stability under various load conditions.
- It involves testing the system's ability to handle a specific number of users or transactions and identifying any performance bottlenecks.

7. Compatibility Testing:

- Compatibility testing ensures that the system functions correctly across different devices, browsers, and operating systems.
- It involves testing the system's compatibility with various hardware and software configurations to ensure a consistent user experience.

8. Usability Testing:

- Usability testing evaluates the system's ease of use and user-friendliness.
- It involves testing the system's interface, navigation, and overall user experience to ensure that it meets the needs of its target users.

9. Integration Testing:

- Integration testing ensures that individual components of the system work together correctly as a whole.
- It involves testing the interactions between different modules, services, or systems to ensure that they integrate seamlessly and function as expected.

10. Regression Testing:

- Regression testing ensures that new code changes do not adversely affect existing functionality.
- It involves retesting previously tested features to ensure they still work correctly after code changes.
- The goal is to catch any unexpected side effects or bugs introduced by the new code.
- Regression testing is essential for maintaining the quality and stability of software systems, especially in agile development environments where code changes frequently.
- It helps ensure that the software continues to meet user requirements and performs as expected across different scenarios.
- Automated testing tools are often used to efficiently perform regression testing.

6. IMPLEMENTATION

- **6.1 TECHNOLOGIES USED**

6.1 TECHNOLOGIES USED

1. BACKEND TECHNOLOGIES

PYTHON

- Python is a high-level, interpreted programming language known for its simplicity and readability. It emphasizes code readability with its use of significant whitespace and is versatile, being used for web development, data analysis, artificial intelligence, scientific computing, and more.
- Python is used to write server-side logic, interact with databases, handle HTTP requests and responses, and integrate various third-party services.
- Python is an interpreted language, meaning that it is executed line-by-line, which can simplify the debugging process. This feature allows developers to test and iterate on their code rapidly, making Python well-suited for prototyping and development in dynamic environments. The interpreted nature of Python, combined with its interactive shell, facilitates exploratory programming, where developers can test snippets of code and see immediate results.

DJANGO FRAMEWORK

- Django is a high-level Python web framework that promotes rapid development and clean, pragmatic design. It includes built-in features for everything a developer needs to build a robust web application.
- Django is used to handle the backend logic of the website, including URL routing, form handling, database operations, and ensuring security best practices. It follows the Model-View-Controller (MVC) architectural pattern, which helps in organizing code effectively.
- Django's template engine allows for the separation of HTML presentation from business logic, enabling developers to create dynamic web pages with reusable components
- This separation enhances code maintainability and allows designers and developers to work more effectively together.

DJANGO REST FRAMEWORK

- Django REST Framework is a powerful toolkit for building Web APIs in Django. It provides various functionalities like serialization, authentication, and permissions.
- DRF is used to create RESTful APIs that can be consumed by frontend applications, mobile apps, or other services. It allows for easy serialization of complex data types and handles authentication and permission checks.

CELERY

- Celery is an asynchronous task queue/job queue based on distributed message passing. It is focused on real-time operation but supports scheduling as well.
- Celery is used for handling background tasks that can be processed asynchronously, such as sending emails, processing data, or interacting with third-party APIs without blocking the main application workflow.

2. FRONTEND TECHNOLOGIES

HTML5

- HTML5 is the latest version of the Hypertext Markup Language, the standard for structuring content on the web. It introduces new elements and attributes to provide better semantics and accessibility.
- HTML5 is used to create the structure of web pages. It defines elements like headers, footers, sections, articles, and multimedia elements, enabling the creation of well-structured and accessible web content.

CSS3

- CSS3 is the latest evolution of the Cascading Style Sheets language, used to style and layout web pages. It includes new features like rounded corners, shadows, gradients, transitions, and animations.

- CSS3 is used to style the content defined by HTML, controlling the layout, colors, fonts, and overall appearance of the website. It enables responsive design, ensuring the website looks good on all devices.

JAVASCRIPT

- JavaScript is a high-level, interpreted programming language that enables interactive web pages. It is one of the core technologies of the World Wide Web, alongside HTML and CSS.
- JavaScript is used to add interactivity to web pages, such as form validation, dynamic content updates, and handling user events. It can also interact with backend APIs to fetch and display data asynchronously.

BOOTSTRAP

- Bootstrap is a popular front-end framework for developing responsive and mobile-first websites. It includes pre-designed components and a grid system for layout.
- Bootstrap is used to speed up front-end development by providing ready-made UI components like buttons, forms, navigation bars, and modals. Its responsive grid system helps in designing layouts that work well on various screen sizes.

3. DATABASE TECHNOLOGIES

SQLite

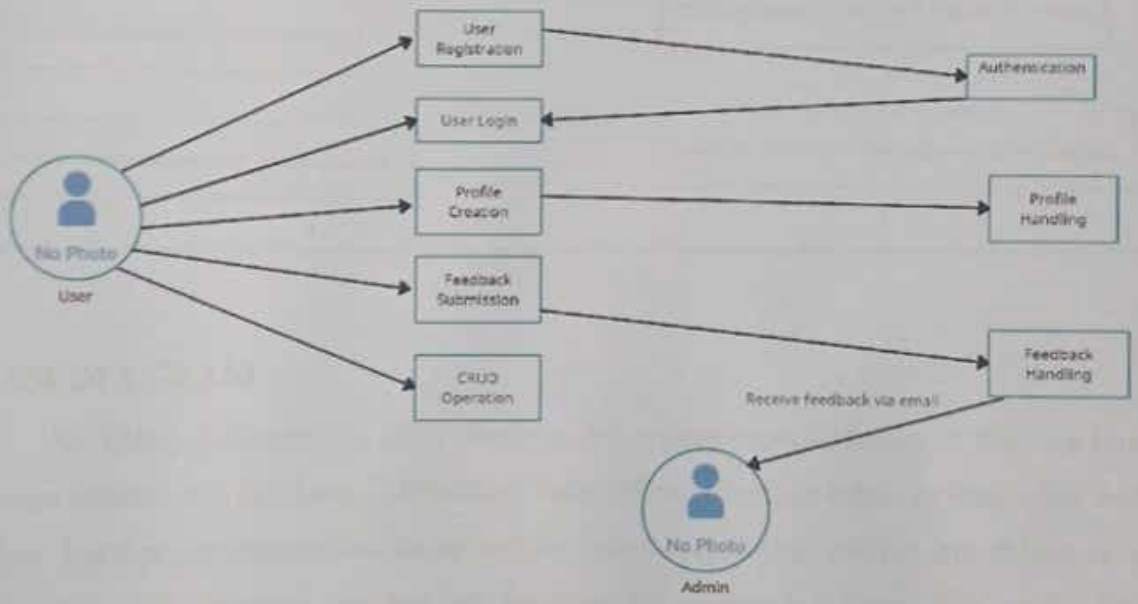
- SQLite is a self-contained, high-reliability, embedded, full-featured, public-domain, SQL database engine. It is serverless and stores the entire database in a single file.
- SQLite is often used during development and testing due to its simplicity and ease of setup. It is suitable for smaller projects or applications with low to moderate database needs.

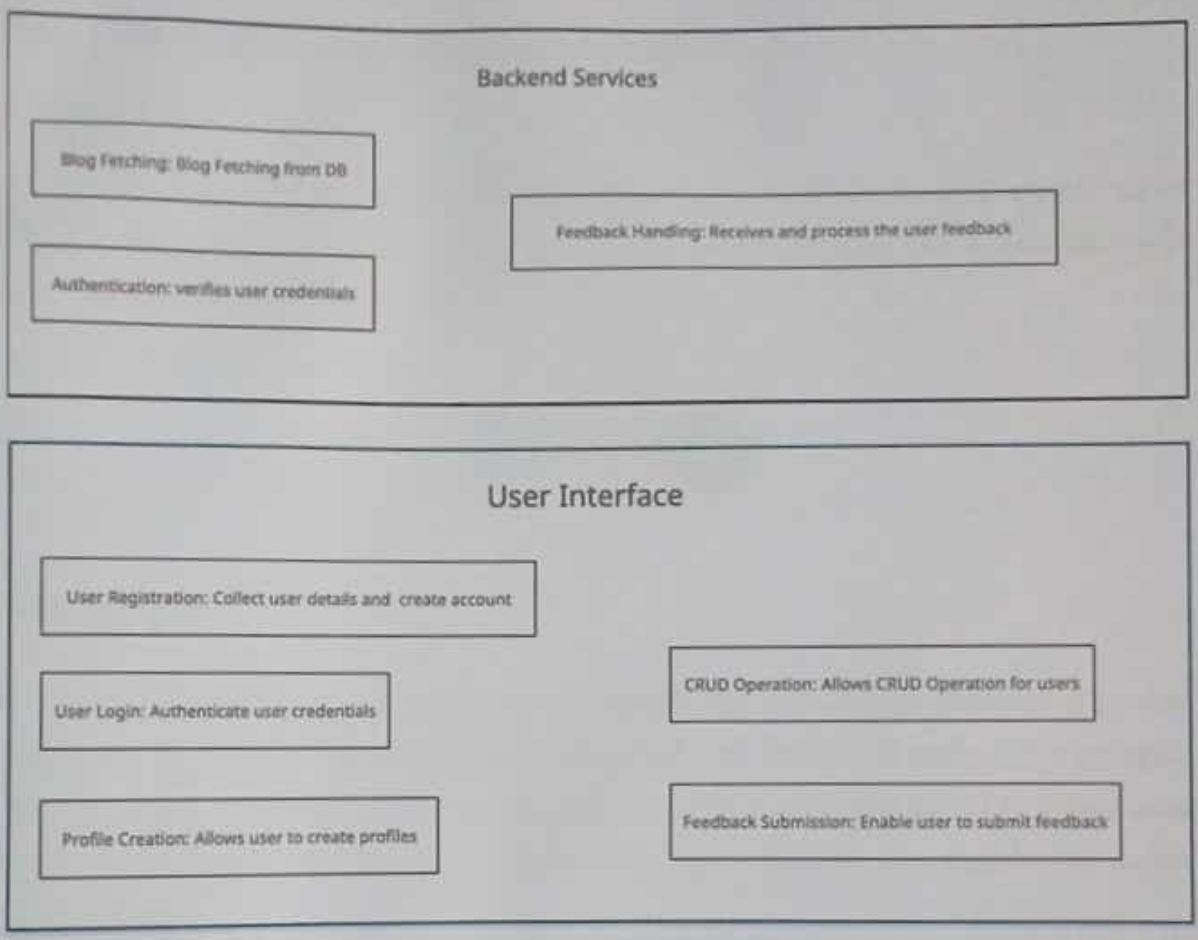
7.APPENDICES

- 7.1 DATA FLOW DIAGRAM
- 7.2 ER DIAGRAM
- 7.3 TABLE STRUCTURE

7.1 DATA FLOW DIAGRAM

A data flow diagram (DFD) is a graphical representation of the flow of data within a system. It illustrates how data moves from one process to another, how it is stored, and how it is transformed. DFDs typically consist of processes, data stores, data flows, and external entities. Processes represent activities or transformations that occur within the system, data stores depict where data is held, data flows show the movement of data between processes and stores, and external entities represent sources or destinations of data outside the system. DFDs provide a clear and visual way to understand the data flow and interactions within a system, making them useful for system analysis, design, and communication among stakeholders.





7.2 ER DIAGRAM

An Entity-Relationship (ER) diagram is a visual representation of the relationships between entities in a database. It illustrates how different entities relate to each other within a system. Entities are represented as rectangles, attributes within entities are shown as ovals, and relationships between entities are depicted by connecting lines. The cardinality and participation constraints of relationships are often indicated using symbols such as crow's feet and diamonds. ER diagrams help to design and understand the structure of a database by showcasing the entities, their attributes, and the relationships between them.

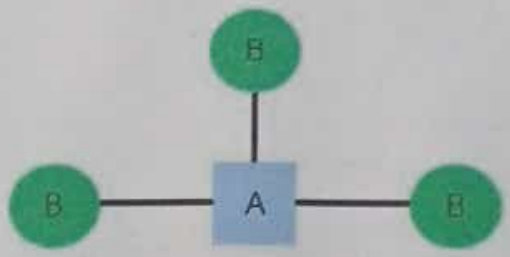
There are three types of relationships between entities:

1. One-to-One:

One instance of an entity (A) is associated with one other instance of another entity (B). For example, in a database of employees, each employee name (A) is associated with only one social security number (B)

2. One-to-Many:

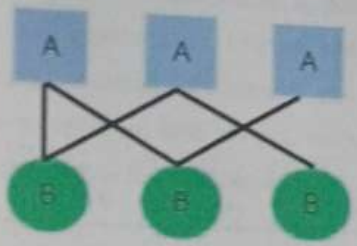
One instance of an entity (A) is associated with zero, one or many instances of another entity (B), but for one instance of entity B there is only one instance of entity A. For example, for a company with all employees working in one building, the building name (A) is associated with many different employees (B), but those employees all share the same singular association with entity A.

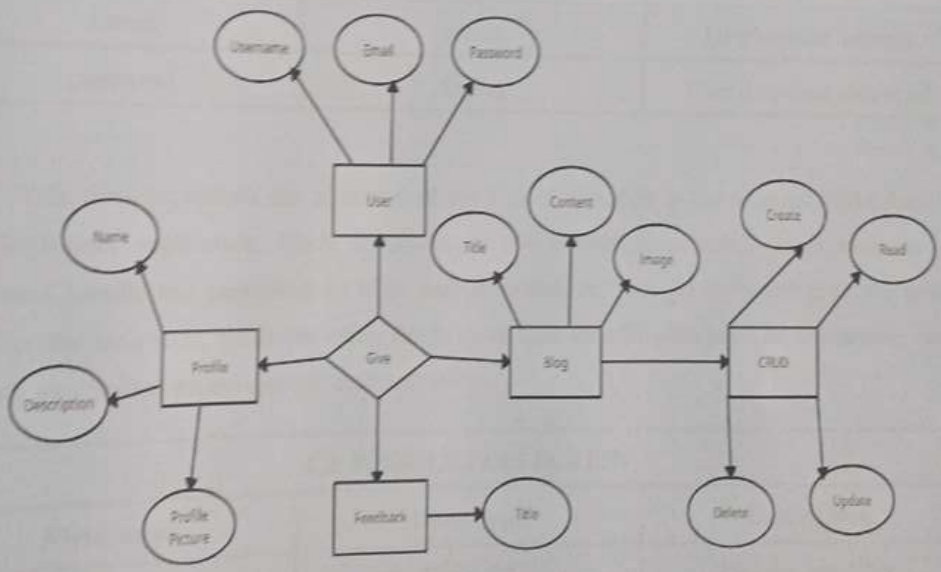


3. Many-to-Many:

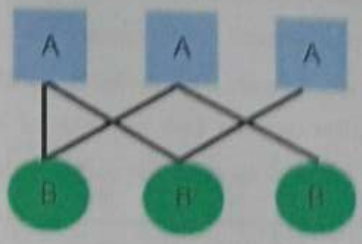
One instance of an entity (A) is associated with one, zero or many instances of another entity (B), and one instance of entity B is associated with one, zero or many instances of entity A. For example, for a company in which all of its employees work on multiple projects, each instance of an employee (A) is associated with many instances of a

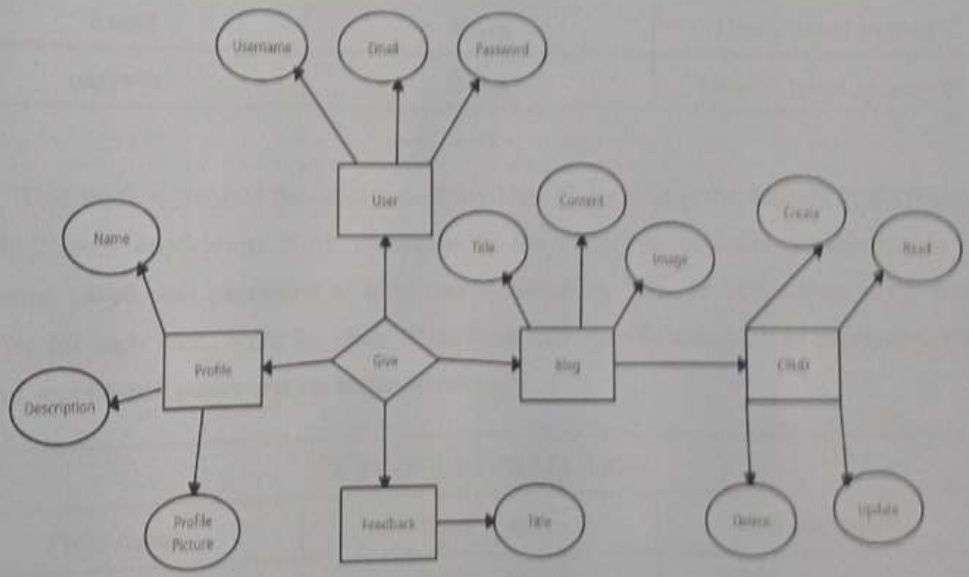
project (B), and at the same time, each instance of a project (B) has multiple employees (A) associated with it.



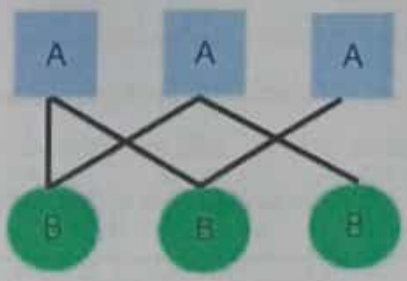


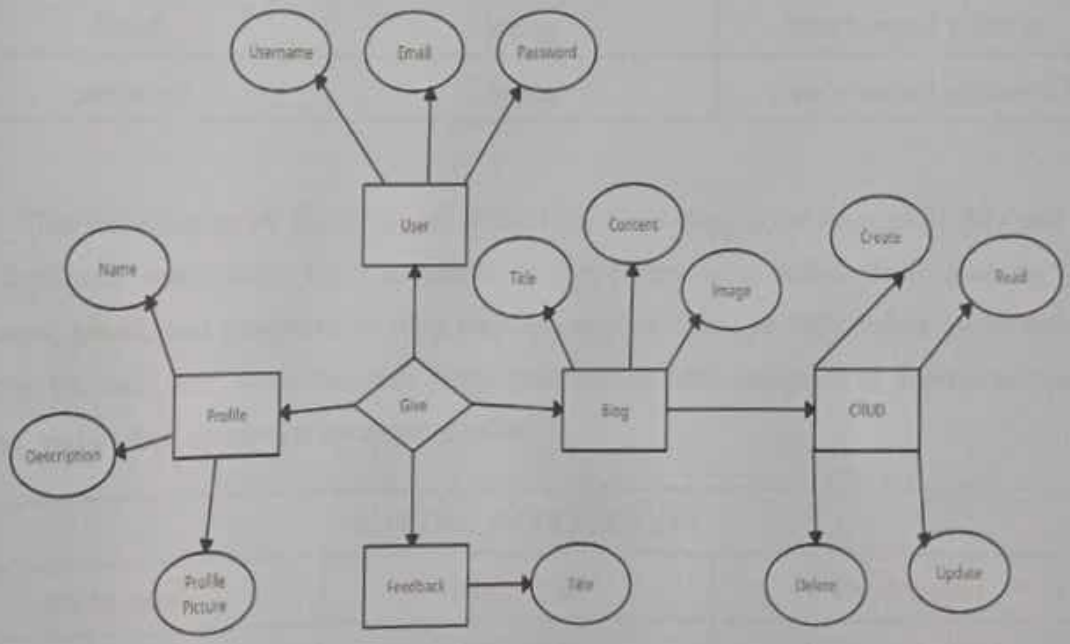
project (B), and at the same time, each instance of a project (B) has multiple employees (A) associated with it.





project (B), and at the same time, each instance of a project (B) has multiple employees (A) associated with it.





7.3 TABLE DESIGN

Table design in a project involves structuring the database tables to efficiently store and organize data in accordance with the project's requirements. It includes defining the tables, their columns, data types, constraints, and relationships. Primary and foreign keys are defined to establish relationships between tables, ensuring data integrity and facilitating data retrieval and manipulation. Table design aims to optimize data storage, retrieval, and performance while maintaining consistency and accuracy within the project's database.

C1. USER COLLECTION		
Field name	**Data Type**	**Description**
_id	ObjectId	Unique identifier
username	String	User's username
Email	String	User's email address
password	String	User's hashed password

This table represents the structure of the User Collection in the MongoDB database for the BlogBloom application. Each document in the collection contains fields such as **_id**, **username**, **email**, and **password** to store user information. The **_id** field serves as the unique identifier for each user, while the other fields store user-specific data such as **username**, **email address**, and hashed **password** for authentication.

C2. PROFILE COLLECTION		
Field name	**Data Type**	**Description**
_id	ObjectId	Unique identifier
name	String	User's username
Description	String	Description User

This table represents the structure of the Profile Collection in the MongoDB database for the BlogBloom application. Each document in the collection contains fields such as **_id**, **name**, and **description** to store user information.

C3. BLOG COLLECTION		
Field name	**Data Type**	**Description**
_id	ObjectId	Unique identifier
Title	String	Blog name
Content	String	Content of the Blog
created_at	Date	Timestamp of when the Blog is created

This table represents the structure of the Blog Collection in the MongoDB database for the BlogBloom application. Each document in the collection contains fields such as **_id**, **title**, **content** and **created_at** to store user information.

8. PROGRAM SNAPS

- **8.1 USER INTERFACE SCREENSHOTS**

8.1 USER INTERFACE SCREENSHOTS

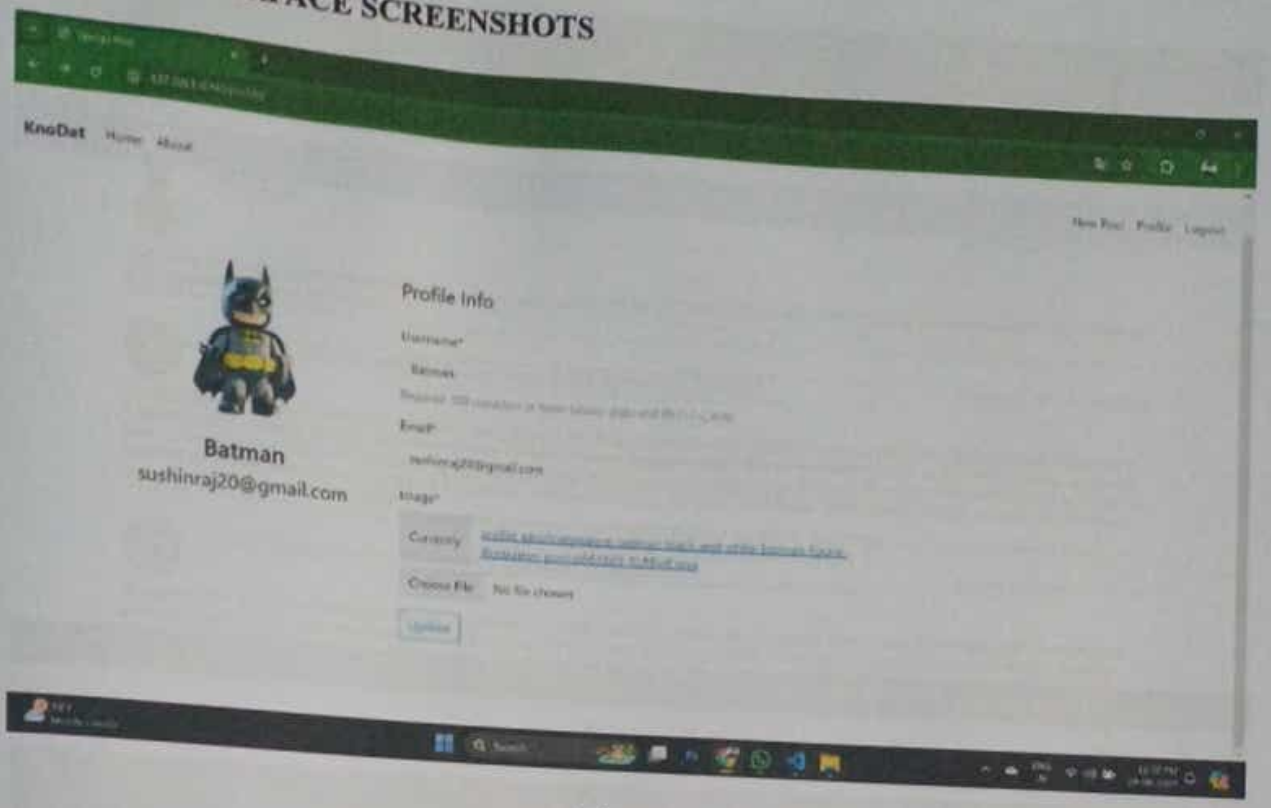


Fig no. 1

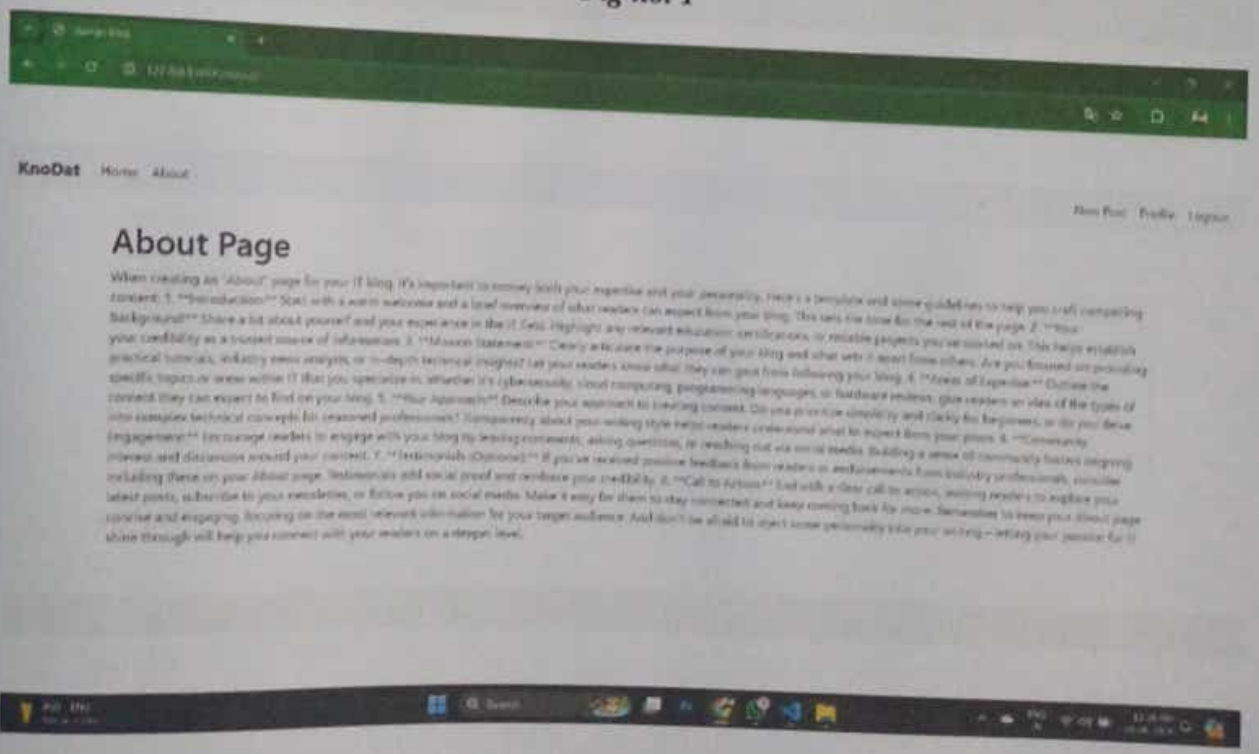


Fig no. 2

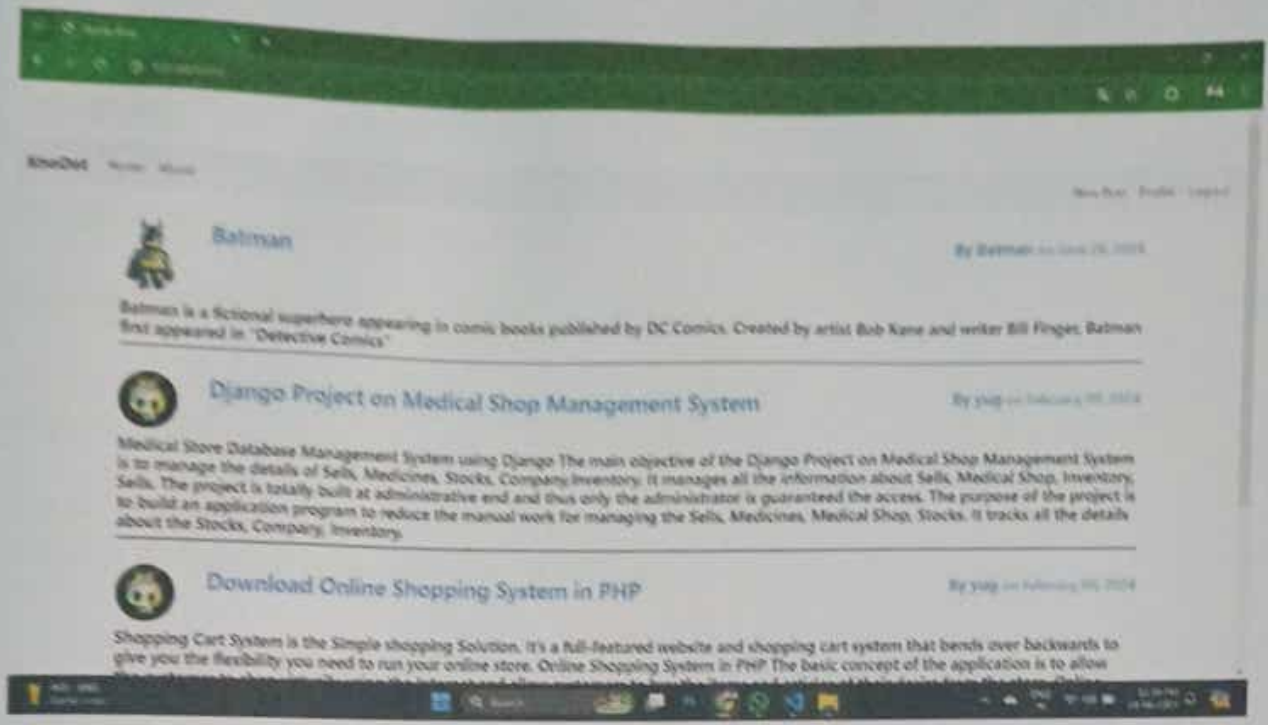


Fig no. 3

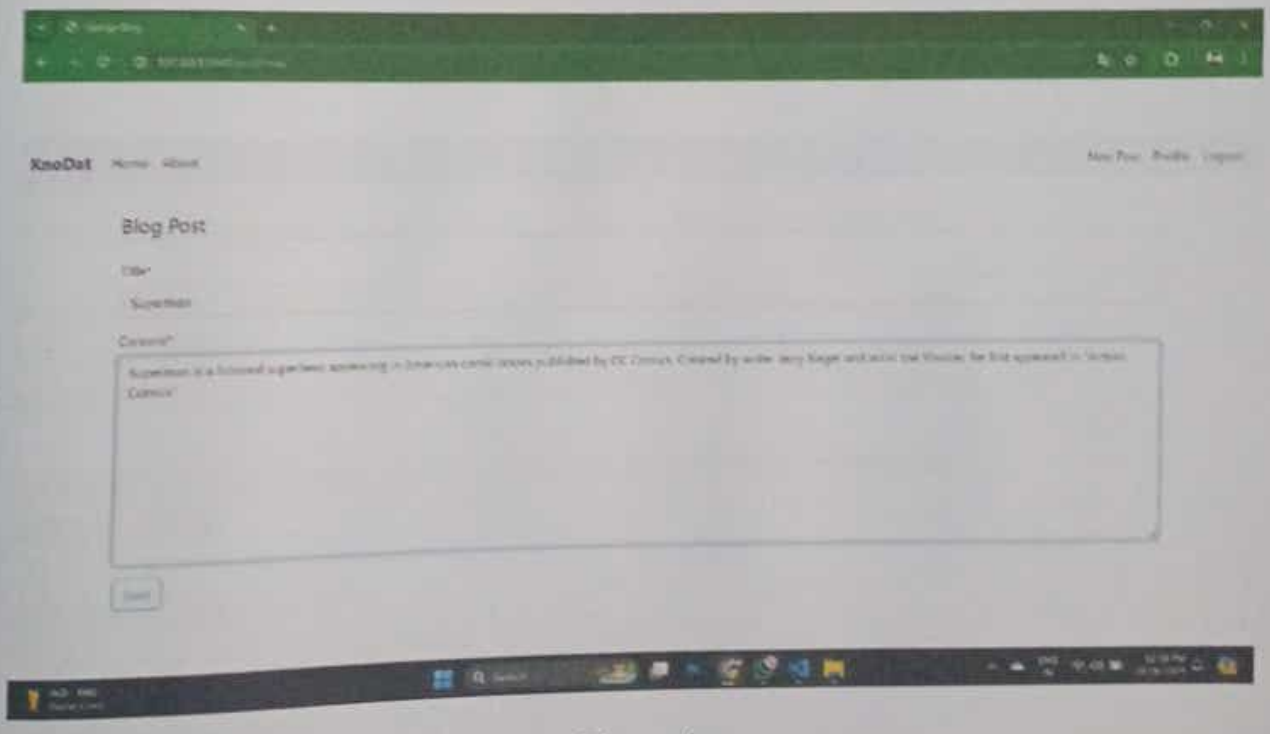


Fig no. 4

8.2 SAMPLE CODING

settings.py

```
"""
Django settings for django_project project.

Generated by 'django-admin startproject' using Django 4.1.

For more information on this file, see
https://docs.djangoproject.com/en/4.1/topics/settings/

For the full list of settings and their values, see
https://docs.djangoproject.com/en/4.1/ref/settings/
"""

from pathlib import Path
import os

# Build paths inside the project like this: BASE_DIR / 'subdir'.
BASE_DIR = Path(__file__).resolve().parent.parent


# Quick-start development settings - unsuitable for production
# See https://docs.djangoproject.com/en/4.1/howto/deployment/checklist/

# SECURITY WARNING: keep the secret key used in production secret!
SECRET_KEY =
'django-insecure-v%@#)^()f04%m7w!)k!047c0mi)jou#d=_*o_e5h1p3=m+@yv('

# SECURITY WARNING: don't run with debug turned on in production!
DEBUG = True

ALLOWED_HOSTS = []


# Application definition

INSTALLED_APPS = [
  'users.apps.UsersConfig',
  'blog.apps.BlogConfig',
```

```
    'crispy_forms',
    "crispy_bootstrap5",
    'django.contrib.admin',
    'django.contrib.auth',
    'django.contrib.contenttypes',
    'django.contrib.sessions',
    'django.contrib.messages',
    'django.contrib.staticfiles',
    'blog'
]

MIDDLEWARE = [
    'django.middleware.security.SecurityMiddleware',
    'django.contrib.sessions.middleware.SessionMiddleware',
    'django.middleware.common.CommonMiddleware',
    'django.middleware.csrf.CsrfViewMiddleware',
    'django.contrib.auth.middleware.AuthenticationMiddleware',
    'django.contrib.messages.middleware.MessageMiddleware',
    'django.middleware.clickjacking.XFrameOptionsMiddleware',
]

ROOT_URLCONF = 'django_project.urls'

TEMPLATES = [
    {
        'BACKEND': 'django.template.backends.django.DjangoTemplates',
        'DIRS': [],
        'APP_DIRS': True,
        'OPTIONS': {
            'context_processors': [
                'django.template.context_processors.debug',
                'django.template.context_processors.request',
                'django.contrib.auth.context_processors.auth',
                'django.contrib.messages.context_processors.messages',
            ],
        },
    },
]

WSGI_APPLICATION = 'django_project.wsgi.application'
```

```
# Database
# https://docs.djangoproject.com/en/4.1/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': BASE_DIR / 'db.sqlite3',
    }
}


# Password validation
# https://docs.djangoproject.com/en/4.1/ref/settings/#auth-password-validators

AUTH_PASSWORD_VALIDATORS = [
    {
        'NAME': 'django.contrib.auth.password_validation.UserAttributeSimilarityValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.MinimumLengthValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.CommonPasswordValidator',
    },
    {
        'NAME': 'django.contrib.auth.password_validation.NumericPasswordValidator',
    },
]


# Internationalization
# https://docs.djangoproject.com/en/4.1/topics/i18n/

LANGUAGE_CODE = 'en-us'

TIME_ZONE = 'Asia/Kolkata'

USE_I18N = True
```

```
USE_TZ = True


# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/4.1/howto/static-files/

STATIC_URL = 'static/'

MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
MEDIA_URL = 'media/'

# Default primary key field type
# https://docs.djangoproject.com/en/4.1/ref/settings/#default-auto-field

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'

CRISPY_ALLOWED_TEMPLATE_PACKS = "bootstrap5"
CRISPY_TEMPLATE_PACK = "bootstrap5"

LOGIN_REDIRECT_URL = 'blog-home'
LOGIN_URL = 'login'

EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'
EMAIL_HOST = 'smtp.gmail.com'
EMAIL_PORT = 587
EMAIL_USE_TLS = True
EMAIL_HOST_USER = os.environ.get('EMAIL_USER')
EMAIL_HOST_PASSWORD = os.environ.get('EMAIL_PASS')
```

urls.py

```
"""django_project URL Configuration

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/4.1/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
```

```
USE_TZ = True


# Static files (CSS, JavaScript, Images)
# https://docs.djangoproject.com/en/4.1/howto/static-files/

STATIC_URL = 'static/'

MEDIA_ROOT = os.path.join(BASE_DIR, 'media')
MEDIA_URL = 'media/'

# Default primary key field type
# https://docs.djangoproject.com/en/4.1/ref/settings/#default-auto-field

DEFAULT_AUTO_FIELD = 'django.db.models.BigAutoField'

CRISPY_ALLOWED_TEMPLATE_PACKS = "bootstrap5"
CRISPY_TEMPLATE_PACK = "bootstrap5"

LOGIN_REDIRECT_URL = 'blog-home'
LOGIN_URL = 'login'

EMAIL_BACKEND = 'django.core.mail.backends.smtp.EmailBackend'
EMAIL_HOST = 'smtp.gmail.com'
EMAIL_PORT = 587
EMAIL_USE_TLS = True
EMAIL_HOST_USER = os.environ.get('EMAIL_USER')
EMAIL_HOST_PASSWORD = os.environ.get('EMAIL_PASS')
```

urls.py

```
"""django_project URL Configuration

The `urlpatterns` list routes URLs to views. For more information please see:
    https://docs.djangoproject.com/en/4.1/topics/http/urls/
Examples:
Function views
    1. Add an import:  from my_app import views
    2. Add a URL to urlpatterns:  path('', views.home, name='home')
```

```
Class-based views
    1. Add an import:  from other_app.views import Home
    2. Add a URL to urlpatterns:  path('', Home.as_view(), name='home')
Including another URLconf
    1. Import the include() function: from django.urls import include, path
    2. Add a URL to urlpatterns:  path('blog/', include('blog.urls'))
"""
from django.contrib import admin
from django.contrib.auth import views as auth_views
from django.urls import path, include
from users import views as user_views
#only for MEDIA_ROOT & MEDIA_URL...for placing in static folder...
from django.conf import settings
from django.conf.urls.static import static

urlpatterns = [
    path('admin/', admin.site.urls),
    path('register/', user_views.register, name = 'register'),
    path('profile/', user_views.profile, name = 'profile'),
    path('login/', auth_views.LoginView.as_view(template_name='users/login.html'), name =
'login'),
    path('logout/', auth_views.LogoutView.as_view(template_name='users/logout.html'), name =
'logout'),
    path('password-reset',
auth_views.PasswordResetView.as_view(template_name='users/password_reset.html'), name =
'password_reset'),
    path('password-reset-done',
auth_views.PasswordResetDoneView.as_view(template_name='users/password_reset_done.html'
), name = 'password_reset_done'),
    path('password-reset-confirm/<uidb64>/<token>/',
auth_views.PasswordResetConfirmView.as_view(template_name='users/password_reset_confir
m.html'), name = 'password_reset_confirm'),
    path('password-reset-complete',
auth_views.PasswordResetCompleteView.as_view(template_name='users/password_reset_compl
ete.html'), name = 'password_reset_complete'),
    path('', include('blog.urls'))
]

if settings.DEBUG:
    urlpatterns += static(settings.MEDIA_URL, document_root = settings.MEDIA_ROOT)
```

views.py

```
from django.shortcuts import render, redirect
from django.contrib import messages
from django.contrib.auth.decorators import login_required
from .forms import UserRegisterForm, UserUpdateForm, ProfileUpdateForm

# Create your views here.
def register(request):
    if request.method=='POST':
        form = UserRegisterForm(request.POST)
        if form.is_valid():
            form.save()
            username = form.cleaned_data.get('username')
            messages.success(request, f'Account created for {username}')
            return redirect('login')
    else:
        form = UserRegisterForm()
    return render(request, 'users/register.html', {'form':form})


@login_required
def profile(request):
    if request.method=='POST':
        u_form = UserUpdateForm(request.POST, instance=request.user)
        p_form = ProfileUpdateForm(request.POST, request.FILES ,instance=request.user.profile)
        if u_form.is_valid() and p_form.is_valid():
            u_form.save()
            p_form.save()
            messages.success(request, f'Your account has been updated!')
            return redirect('profile')
    else:
```

```
    u_form = UserUpdateForm(instance=request.user)
    p_form = ProfileUpdateForm(instance=request.user.profile)
  context = {
    'u_form':u_form,
    'p_form':p_form
  }
  return render(request, 'users/profile.html', context)
```

models.py

```
from django.db import models
from django.contrib.auth.models import User
from PIL import Image

# Create your models here.
class Profile(models.Model):
  user = models.OneToOneField(User,on_delete=models.CASCADE)
  image = models.ImageField(default='pic4.jpg', upload_to='profile_pics')

  def __str__(self):
    return f'{self.user.username} Profile'

  def save(self, *args, **kwargs):
    super().save(*args, **kwargs)

    img = Image.open(self.image.path)
    if img.height > 300 or img.width>300:
      output_size = (300,300)
      img.thumbnail(output_size)
      img.save(self.image.path)
```

forms.py

```
from django import forms
from django.contrib.auth.models import User
from django.contrib.auth.forms import UserCreationForm
from .models import Profile

class UserRegisterForm(UserCreationForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email', 'password1', 'password2']


class UserUpdateForm(forms.ModelForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email']

class ProfileUpdateForm(forms.ModelForm):
    class Meta:
        model = Profile
        fields = ['image']
```

manage.py

```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys
```

forms.py

```
from django import forms
from django.contrib.auth.models import User
from django.contrib.auth.forms import UserCreationForm
from .models import Profile

class UserRegisterForm(UserCreationForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email', 'password1', 'password2']


class UserUpdateForm(forms.ModelForm):
    email = forms.EmailField()
    class Meta:
        model = User
        fields = ['username', 'email']

class ProfileUpdateForm(forms.ModelForm):
    class Meta:
        model = Profile
        fields = ['image']
```

manage.py

```
#!/usr/bin/env python
"""Django's command-line utility for administrative tasks."""
import os
import sys
```

```
def main():
    """Run administrative tasks."""
    os.environ.setdefault('DJANGO_SETTINGS_MODULE', 'django_project.settings')
    try:
        from django.core.management import execute_from_command_line
    except ImportError as exc:
        raise ImportError(
            "Couldn't import Django. Are you sure it's installed and "
            "available on your PYTHONPATH environment variable? Did you "
            "forget to activate a virtual environment?"
        ) from exc
    execute_from_command_line(sys.argv)


if __name__ == '__main__':
    main()
```

Templates

Login.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
  {% csrf_token %}
  <fieldset class="form-group">
    <div class="form-group">
      <legend class="border-bottom mb-4">Log In</legend>
      {{ form|crispy }}
    </div>
  </fieldset>
  <div class="form-group">
```

```
        <button type="submit" class="btn btn-outline-info mb-2">Login</button>

    <small class="text-muted mx-3">
      Forgot password? <a href="{% url 'password_reset' %}" class="ml-2">Reset Password</a>
    </small>
</div>
</form>
<div class="border-top pt-3">
    <small class="text-muted">
      Need an account? <a href="{% url 'register' %}" class="ml-2">Sign Up Now</a>
    </small>
</div>
{% endblock content %}
```

Logout.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="text-center my-5">
    <h2>You have been logged out.</h2>
    <h6>
      <a href="{% url 'login' %}" class="ml-2">Login again</a>
    </h6>
</div>
{% endblock content %}
```

password_reset_complete.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="alert alert-info">
```

```
    <button type="submit" class="btn btn-outline-info mb-2">Login</button>

  <small class="text-muted mx-3">
    Forgot password? <a href="{% url 'password_reset' %}" class="ml-2">Reset Password</a>
  </small>
</div>
</form>
<div class="border-top pt-3">
  <small class="text-muted">
    Need an account? <a href="{% url 'register' %}" class="ml-2">Sign Up Now</a>
  </small>
</div>
{% endblock content %}
```

Logout.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="text-center my-5">
  <h2>You have been logged out.</h2>
  <h6>
    <a href="{% url 'login' %}" class="ml-2">Login again</a>
  </h6>
</div>
{% endblock content %}
```

password_reset_complete.html

```
{% extends 'blog/base.html' %}
{% block content %}
<div class="alert alert-info">
```

```
    <h6 class="text-center">
      Password has been changed successfully.
    </h6>
  </div>
  <div class="text-center my-5">
    <h5>
      If you want to login, Please <a class="text-decoration-none" href="{% url 'login'
%}">Login Here</a>
    </h5>
  </div>
  {% endblock content %}
```

password_reset_confirm.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
  {% csrf_token %}
  <fieldset class="form-group">
    <div class="form-group">
      <legend class="border-bottom mb-4">Reset Password</legend>
      {{ form|crispy }}
    </div>
  </fieldset>
  <div class="form-group">
    <button type="submit" class="btn btn-outline-info mb-2">Reset Password</button>
  </div>
</form>
{% endblock content %}
```

password_reset_done.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
  {% csrf_token %}
  <fieldset class="form-group">
    <div class="form-group">
      <legend class="border-bottom mb-4">Reset Password</legend>
      {{ form|crispy }}
    </div>
  </fieldset>
  <div class="form-group">
    <button type="submit" class="btn btn-outline-info mb-2">Request Password
Reset</button>
  </div>
</form>
{% endblock content %}
```

profile.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<div class="container rounded bg-white mt-5 mb-5">
  <div class="row">
    <div class="col-md-3 border-right">
      <div class="d-flex flex-column align-items-center text-center p-3 py-5">
        <img class="rounded-circle mt-7 mb-3" width="150px" src="{{ user.profile.image.url
}}">
        <span class="fs-3 fw-semibold">{{ user.username }}</span>
        <span class="fs-4">{{ user.email }}</span>
```

```
        </div>
      </div>
      <div class="col-md-6 border-right">
        <div class="p-3 py-5">
          <form method="POST" enctype="multipart/form-data">
            {% csrf_token %}
            <fieldset class="form-group">
              <div class="form-group">
                <legend class="border-bottom mb-4">Profile Info</legend>
                {{ u_form|crispy }}
                {{ p_form|crispy }}
              </div>
            </fieldset>
            <div class="form-group">
              <button type="submit" class="btn btn-outline-info mb-2">Update</button>
            </div>
          </form>
        </div>
      </div>
    </div>
  </div>
</div>

</div>
{% endblock content %}
```

register.html

```
{% extends 'blog/base.html' %}
{% load crispy_forms_tags %}
{% block content %}
<form method="POST">
```

```
    {% csrf_token %}
    <fieldset class="form-group">
      <div class="form-group">
        <legend class="border-bottom mb-4">Join Today</legend>
        {{ form|crispy }}
      </div>
    </fieldset>
    <div class="form-group">
      <button type="submit" class="btn btn-outline-info mb-2">Sign Up</button>
    </div>

</form>
<div class="border-top pt-3">
    <small class="text-muted">
      Already have an account? <a href="{% url 'login' %}" class="ml-2">Sign In</a>
    </small>
</div>
{% endblock content %}
```

9. CONCLUSION

- 9.1 PROJECT SUMMARY
- 9.2 FUTURE ENHANCEMENTS

9.1 PROJECT SUMMARY

BlogBloom is a comprehensive online platform designed to assist bloggers and content creators in publishing, managing, and promoting their content. It offers a user-friendly interface with customizable templates and intuitive editing tools to suit various styles and preferences. The platform integrates features for social media sharing, search engine optimization, and audience engagement, enabling bloggers to reach a wider audience and enhance their online presence. BlogBloom simplifies the blogging process, making it accessible and enjoyable for users of all skill levels.

9.2 FUTURE ENHANCEMENTS

Future enhancements of a project could include various improvements and expansions aimed at enhancing functionality, user experience, and overall performance. This might involve adding new features such as advanced analytics tools, interactive elements. Additionally, improvements to security measures, user interface design, and accessibility features could be implemented to enhance usability and protect user data.

Some of the planned enhancements include:

1. Improved User Interface:

Enhancing the project's user interface to make it more intuitive, visually appealing, and user-friendly can significantly enhance the user experience.

2. Mobile App Development:

Developing a mobile application version of the project can expand its accessibility and reach, catering to users who prefer accessing content on mobile devices.

3. Community Features:

Implementing community features such as forums, commenting systems, or user-generated content sections can foster engagement among users and create a sense of belonging within the platform.

4. Localization and Internationalization:

Adding support for multiple languages and localization features can make the project more accessible to users from diverse cultural and linguistic backgrounds, expanding its global reach.

5. Social Sharing:

Allowing users to share their blogs through their social media accounts to see all others and motivate them to use this site.

6. Notification Alert:

Implement additional features such as comments, likes, user notifications, and advanced search filters.Continual updates and enhancements are essential for keeping the project relevant, competitive, and aligned with evolving user needs and technological advancements. These future enhancements will make BlogBloom an even more indispensable resource for Blogs, enabling them to reach their goals more effectively and enjoyably. We are dedicated to continuously improving BlogBloom to meet the evolving needs of our users and provide them with an exceptional Blogging experience.

10. BIBLIOGRAPHY

- 10.1 REFERENCES
- 10.2 ONLINE RESOURCES

10.1 REFERENCES

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"Python Crash Course" by Eric Matthes

Matthes, E. (2019). *Python Crash Course - 2nd Edition*. No Starch Press.

"Automate the Boring Stuff with Python" by Al Sweigart

Sweigart, A. (2019). *Automate the Boring Stuff with Python - 2nd Edition*. No Starch Press.

10.2 ONLINE RESOURCES

[1] Python Documentation. Retrieved from: https://docs.python.org/

[2] Django Documentation. Retrieved from: https://docs.djangoproject.com/

[3] Flask Documentation. Retrieved from: https://flask.palletsprojects.com/

Bangalore University

Project Report On

TOURS & TRAVLES WEBSITE USING JAVA-FULSTACK

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Subrat Kumar Jena
U03KU21S0059

Under the guidance of

Professor. Samskruthi B L

SOUNDARYA
INSTITUTE OF MANAGEMENT AND SCIENCE

Bangalore University

Project Report On

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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that Subrat Kumar Jena bearing Reg. No **U03kU21S0059** has satisfactorily completed the project entitled **TOURS & TRAVELING WEBSITE USING JAVA-FULLSTACK** under the guidance and supervision of Professor. **Samskruthi B L**, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24.

Project Guide

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

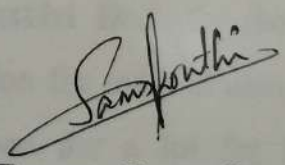
Examiners

Date 6/7/24
No

1 EXAMINERS
1.....
2.....
2.....

DECLARATION OF GUIDE

The Project work entitled **TOURS & TRAVELING WEBSITE USING JAVA-FULLSTACK** is based on work carried out by **SUBRAT KUMAR JENA** during the course of study under the supervision of **Professor. SAMSKRUTHI B L.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.



PROF. Samskruthi B L

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar**, Head of the Department and my guide **Professor Samskruthi B L** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
SUBRAT KUMAR JENA

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Bangalore University

Project Report On

CUSTOMER CHURN PREDICTION USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

Varsha P

U03KU21S0025

Under the guidance of

Asst. Professor YATISH S J

SOUNDARYA INSTITUTE OF MANAGEMENT& SCIENCE

Bangalore University

Project Report On

CUSTOMER CHURN PREDICTION USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

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DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that Varsha P bearing Reg. No U03KU21S0025 has satisfactorily completed the project entitled TELECOM CUSTOMER CHURN PREDICTION USING MACHINE LEARNING under the guidance and supervision of YATISH S J, Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide 6/7/24

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Head of the Department

Date 6/7/24
No

Examiners

1.
EXAMINERS
1.
2.
2.

DECLARATION OF GUIDE

The Project work entitled **TELECOM CUSTOMER CHURN PREDICTION USING MACHINE LEARNING** is based on work carried out by **Varsha P** during the course of study under the supervision of **Professor Yatish S J.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

6/7/24

ASST. PROF. YATISH S J

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Viju Arehalli**, Head of the Department and my guide **Asst. Professor Yatish S J** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU

Varsha P

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Bangalore University

Project Report On

Twitter Sentiment Analysis

Submitted in partial fulfilment of the requirement of the award of

Degree in Bachelor of Computer Applications during the

Academic year 2023-24

Submitted by

VARSHITHA B K

U03KU21S0018

Under the guidance of

Prof. Nagasuma CV

SOUNDARYA
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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **VARSHITHA B K** bearing the Reg No. **U03KU21S0018** has satisfactorily completed the project entitled **TWITTER SENTIMENT ANALYSIS** under the guidance and supervision of **NAGASUMA CV** Professor, Department of Computer Science, in partial fulfilment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

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Examiners

Date. 5/7/24
NO.

EXAMINERS
1.
2. 5/7/24

DECLARATION OF GUIDE

The Project work entitled **Twitter Sentiment Analysis** is based on the work carried out by **VARSHITHA B K** during the course of study under the supervision of **Professor Nagasuma C V.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Application under Bangalore University for the year 2023-24.

PROF. NAGASUMA C V

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Mr. Vijay Kumar A.S** , Head of the Department and my guide **Professor Nagasuma CV** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.

VARSHITHA B K

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Bangalore University

Project Report On

E-COMMERCE WEBSITE SHOPPING PORTAL

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

VARUN D.K
U03KU21S0028

Under the guidance of

Professor YATISH S.J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that **VARUN D.K** bearing Reg. No **U03KU21S0028** has satisfactorily completed the project entitled **E-COMMERCE WEBSITE (SHOPPING PORTAL)** under the guidance and supervision of **YATISH S J** Asst. Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Date 6/7/24

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073

Head of the Department

Examiners

1.....

2.....

EXAMINERS
1.....
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DECLARATION OF GUIDE

The Project work entitled **E-COMMERCE WEBSITE (SHOPPING PORTAL)** is based on work carried out by **VARUN D.K** during the course of study under the supervision of **Professor YATISH S J.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2022-23.

PROF. YATISH S J

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar A S,** Head of the Department and my guide **Professor YATISH S J** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
VARUN D.K

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Bangalore University
Project Report On

MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-23

Submitted by

VEENA VIKRAMAN
U03KU21S0032

Under the guidance of

Asst. Professor SWAMY MR

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

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Bangalore University

Project Report On

MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2022-23

Submitted by

VEENA VIKRAMAN
U03KU21S0032

Under the guidance of

Asst. Professor SWAMY MR

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

CERTIFICATE

This is to certify that **VEENA VIKRAMAN** bearing Reg.No **U03KU21S0032** has satisfactorily completed the project entitled **MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS** under the guidance and supervision of Asst.Professor, **SWAMY MR** Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2022-23.

Project Guide

Head of the Department
DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.
Head of the Department

Examiners

EXAMINERS
1. 1.....
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2.....

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
Date 6/7/22
No

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DECLARATION OF GUIDE

The Project work entitled **MUSIC WEB APPLICATION USING DJANGO FRAMEWORKS** is based on work carried out by **VEENA VIKRAMAN** during the course of study under the supervision of **Asst. Professor SWAMY MR**. I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2022-23.

ASST. PROF. SWAMY MR

Scanned with OKEN Scanner

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture agrand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar AS** Head of the Department and my guide **Asst. Professor Swamy MR** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU

VEENA VIKRAMAN

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Bangalore University

Project Report On

QUIZ APPLICATION

Submitted in partial fulfillment of the requirement of the award of Degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

VENKATESH T N
U03KU21S0053

Under the guidance of

Prof. Samskruthi B L

SOUNDARYA
INSTITUTE OF
MANAGEMENT AND
SCIENCE

Bangalore University

Project Report On

QUIZ PROJECT

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

VENKATESH TN

U03KU1S0053

Under the guidance of

Asst. Professor Samskruthi BL

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that Venkatesh bearing Reg. No **U03KU21S0053** has satisfactorily completed the project entitled QUIZ APPLICATION under the guidance and supervision of Asst. Professor SAMSKRUTHI BL, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24

Project Guide

Head of the Department
DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Examiners

1.....

EXAMINERS
1.....
2.....

Date.....
No.....

DECLARATION OF GUIDE

The Project work entitled QUIZ APPLICATION is based on work carried out by **Venkatesh TN** during the course of study under the supervision of **Asst. Professor Samskruthi BL.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

ASST. PROF. SAMSKRUTHI BL

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture agrand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay Kumar AS**, Head of the Department and my guide **Asst. Professor Samskruthi BL** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.
VENKATESH TN

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Feasibility Study
Technical Study
Economic Feasibility
Legal Feasibility
Operational Feasibility
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System Design
Data Flow Diagram
E-R Diagram
Output Screen

Bangalore University

Project Report On

SKIN CANCER CLASSIFICATION USING CNN

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

YASHASWINI G

U03KU21S0006

Under the guidance of

Prof Anuradha Sindhia

SOUNDARYA INSTITUTE OF MANAGEMENT& SCIENCE

Bangalore University

Project Report On

SKIN CANCER CLASSIFICATION USING CNN

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

YASHASWINI G

U03KU21S0006

Under the guidance of

Prof. Anuradha Sindhia

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that YASHASWINI G bearing Reg. No **U03KU21S0006** has satisfactorily completed the project entitled **SKIN CANCER CLASSIFICATION USING CNN** under the guidance and supervision of Prof. Anuradha Sindhia , Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2023-24.

for Sandhya 05/07/2024

Project Guide

Head of the Department

DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Bidadanalli,
Nagasandra Post, Bangalore - 560 073.

Head of the Department

Examiners

1.....

EXAMINERS
1.....
2.....

2.....

DECLARATION OF GUIDE

The Project work entitled **SKIN CANCER CLASSIFICATION USING CNN** is based on work carried out by **YASHASWINI G** during the course of study under the supervision of **Prof. Anuradha Sindhia.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for thesubmission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2023-24.

PROF. Anuradha Sindhia

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof. Vijay kumar A S**, Head of the Department and my guide **Prof. Anuradha Sindhia** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU,
YASHASWINI G

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3	3.1 Hardware & Software requirement 3.2 Back-End 3.3 Python 3.4 Jupyter Notebook
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Bangalore University

Project Report On

BUILDING CUSTOMER SEGMENTATION USING MACHINE LEARNING

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Computer Applications during the Academic year 2023-24

Submitted by

YASHASWINI R
U03KU21S0022

Under the guidance of
Prof. YATISH S J

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF COMPUTER SCIENCE

Certificate

This is to certify that YASHASWINI R bearing Reg. No **U03KU21S0022** has satisfactorily completed the project entitled **BUILDING CUSTOMER SEGMENTATION USING MACHINELEARNING** under the guidance and supervision of *YATISH S J* Professor, Department of Computer Science, in partial fulfillment of VI Semester BCA course as prescribed by Bangalore University, Bangalore in our college during the academic year 2022-23

5/7/24

Project Guide

Asst. Prof. YATISH S J

Head of the Department
DEPT. OF COMPUTER SCIENCE
Soundarya Institute of Management and Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073

Examiners

1.....

2.....

EXAMINERS
1.....
2.....

DECLARATION OF GUIDE

The Project work entitled **BUILDING CUSTOMER SEGMENTATION USING MACHINE LEARNING** is based on work carried out by **YASHASWINI R** during the course of study under the supervision of **Prof. YATISH S J.** I assert the statements made and conclusions drawn are the outcome of Project work and hereby approve for the submission for the partial fulfillment for the award of Bachelor of Computer Applications under Bangalore University for the year 2024-25.

5/7/24

Asst. PROF. YATISH S J

ACKNOWLEDGEMENT

I articulate my sincere gratitude to all those who helped me in making this venture a grand success, without whose constructive criticism as well as words of inspiration this project of mine would not have seen the light.

I take this opportunity to thank **Dr. Vasu B.A** Principal, Soundarya Institute Of Management & Science, Bangalore for permitting me to undertake this project as part of my curriculum.

I would like to mention my sincere gratitude to **Prof.Vijay Arehalli**, Head of the Department and my guide **Prof. YATISH S J** for the guidance and encouragement that has been a source of inspiration for me and also for giving me the valuable information and advices that helped me a lot for the successful completion of my project work.

Last but not the least, I would like to express my sincere thanks to my dear parents and friends for accompanying me throughout the completion of the project.

THANK YOU.YASHASWINI R

GSTIN : 29AABCD1831C1Z7

Dominos's Pizza

Ground Floor, No 1048, Khatha No 1309, Ward No -12, Shettihalli 3rd Stage,
Chikkabanavara Village, Hesaraghatta Main Road, Chikkabanavara, Bangalore - 560090

From :
Arun Kumar
Manager
Dominos Pizza
Nagasandra, Bangalore - 560073

To :
Mr. Adarsh .B
3rd Year 6 Sem BBA
Soundarya institute of management,
Bangalore - 560073

Subject :- Certificate of Internship Ref No:- U03KU21M0016

This is to certify that
Mr. Adarsh .B Reference Reg No U03KU21M0016
Student of Soundarya institute of management,
Adarsh .B has successfully completed internship course from 27th March to 23rd April of 28 days from our institution. He has worked here to related topic of Inventory Management.
During his service period,

he has been found sincere, reliable, trustworthy and open to all challenges.
wish him all the best for his future Regards:- The marks secured by him 8 out of 10.

Manager(GDM)

Date :-

Jubliant Foodworks Ltd
Formerly Known as DOMINO'S PIZZA
Kudar Plaza, Ground Floor,
Khata No. 38, Site No. 1, Nagasandra
Yeshwanthpura Hobli, Bangalore-560

An CSR Initiative of

FINASTRA

STUDENT TRANSFORMATION PROGRAM

Implemented by

ICTACADEMY

This is to certify that

ANJALI B

has successfully completed the internship and training on BFSI Overview and Financial Products under Finastra Student Transformation Program held from 15 Apr 2024 to 15 May 2024 at Finastra Software Solutions.

Shivant Pankhawala
Director - Global Delivery, Regional Success Management Head, Finastra

Srikanth V
Chief Executive Officer (i/c), ICT Academy

verify at verify.ictacademy.in

IKEA India Private Limited

May 20, 2024

CERTIFICATE OF COMPLETION

This is to certify that **Miss Divya M "U03KU21M0017"** pursuing 6th semester in Bachelor of Business Administration at Soundarya Institution of Management and Science has successfully completed her internship in **"IKEA Food (IF)"** at IKEA.

The internship period was from **18.04.2024** to **17.05.2024**

During this period, she was found to be regular and hard working. We wish her all the best in her future endeavours.

This is only the first step. The real learning starts when you apply what you have learnt in your job and share it with your colleagues.

Trevlig resa - the journey continues!

Authorised Signatory People and Culture Manager.

For IKEA India Pvt.Ltd

IKEA India Private Limited
Survey No. 12 & 13, Behind Nagasandra Metro Station
Nagasandra Village, Yeshwanthpur Hobli, North Taluk,
Bangalore - 560073; Tel: +91 80 6834 7900

Registered Office:
Unit No. 421, DLF tower A, Jasola District Centre, New Delhi - 110044
Tel: +91 11 2694 2390 Fax: +91 11 2694 2376
IKEA1ndia@1KEA.com www.1KEA.in CIN: U52399DL2013FTC256222

Dear Harshitha M S,

We are pleased to confirm that you have successfully completed your internship with Sahasra Jewells (Tanishq Store Hesaragatta) as a "Sales Intern." Your internship, which ran from April 22, 2024, to May 25, 2024, was conducted with great dedication and is highly appreciated.

We wish you all the best in your future studies and endeavors.

Warm regards,

Naga Vijay Kumar Gannamani
Managing Director
Sahasra Jewells

ORCHID ELEVATORS

ORCHID ELEVATORS

CERTIFICATE OF INTERNSHIP

This certificate is presented to

Name of Candidate

JANAKI.H.PATEL

For completing 1 month duration from (06.3.2024to 06.04.2024) internship as the assistant business analyst, During her stay in the company as intern, she displays enthusiasm, leadership self-disciplined and self-motivation.

We are lucky to have her as one our interns before and we would like to wish her all the best.

Given This on
06.04.2024

Orchid Elevators
Mr Mohammed Sufiyan
(Proprietor)

ORCHID ELEVATORS Bengaluru

#874, Raineo House, Modi Hospital Road, West of Chord Road, Basaveshwaranagar, Bangalore - 560 086.

+91 9538773355
+91 9739571717
+91 9535588892
+91 9739671717

info@orchidelevators.com
www.orchidelevators.com

MALAYAPPAN PROJECTS PVT LTD.

Neelakanteshwara Temple Road, Muddinapalya
Vishwaneedam post Bangalore-560098

This is to certify Mr. Jashva. D Reg No: U03KU21M0025 Student pursing Bachelor of Business Administration (BBA), From " Soundarya Institution of Management and Science". Bangalore has been successfully completed the Organizational study and Internship at Malayappan Projects Pvt Ltd., Bangalore complex, during the period between 15/04/2024 To 16/05/2024.

As we observed during his service with the company, He was a motivated with his work. Thanks to him commitment, contribution, and dedication toward his work, we wish him success in his career path.

Jashva D has exhibited commendable performance and professionalism in completing the tasks and projects assigned. and successfully scored 8.5 out of 10

Thanking You

MALAYAPPAN PROJECTS PVT LTD.

Yours FaithFully

Ce-Chem
PHARMACEUTICALS Pvt. Ltd.,
AN ISO 9001 : COMPANY

GST No.: 29AAACI3514N1ZE
Drug Mfr. Lic No. NB-139/83
SP - 87/83

Date:15.05.2024

CERTIFICATE OF INTERNSHIP

This is to certify that Miss Karishma K Jain,REG NO,**U03KU21M0037** Student of **SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE** has successfully completed **INTERNSHIP COURSE** from **16-4-2024** to **15-5-2024** from our institution. Her conduct during stay with us is satisfied . I wish all the best for endeavor.

The marks secured by her is 9 out of 10.

For Ce-Chem Pharmaceuticals Pvt Ltd,

Authorized Signatory

CE-CHEM Pharmaceuticals Pvt Ltd. * Bangalore * INDIA

No. 336, IV Phase, Peenya Industrial Area, Bangalore-560 058. Ph.: 28360954, 28366324.
Telefax : 28360097, E-mail : office@ce-chem.com, Website : www.ce-chem.com

KONGOVI

GS/HRM
22/04/2024

CERTIFICATE

This is to certify that ***Ms. Latha B T,*** *bearing Reg. No* ***U03KU21M0013*** *is bonafide student of* ***VI semester BBA, Soundarya Institute of Management & Science*** *has successfully completed her internship programme in Human Resource Department at* ***"Kongovi Private Limited",*** *Peenya Industrial Area, Bangalore. The duration of Internship was from 05-04-2024 to 20-04-2024.*

During this period of training, we found her punctual, disciplined, and proactive in assigned tasks and duties.

We wish her all the success in future endeavors.

For Kongovi Pvt Ltd.

KONGOVI PVT LTD * Bangalore *

Govindarajan S
AGM - HR & Admin

Broadfield HR Solutions Pvt Ltd.

"Sri Ganesha", Narayanagar, 1st Block, Anjanapura Main Road, Doddakallasandra,
Kanakapura Road, Bengaluru - 560 062.

This is to certify **Mr. Nagabhushan B C, Reg No: U03KU21M0008** Student pursing Bachelor of Business Administration (BBA), From **" Soundarya Institution of Management and Science"**. Bangalore has been successfully completed the organizational study and Internship at **Broadfield HR Solution Pvt Ltd**, Bangalore complex, during the period between **15/03/2024 To 16/04/2024**.

As we observed during his service with the company, He was a motivated with his work. Thanks to him commitment, contribution and dedication toward his work, we wish him success in his career path.

Thank you.

Yours faithfully,

BROADFIELD HR SOLUTIONS PVT. LTD. * Bangalore

Ph. : 9632528167, 9964074144 Office : 080-35100350. Email : broadfieldhrsolutions@gmail.com. Web. : www.broadfieldhrs

Signature(s) of Customer

Full Name: Nagabhushan. B.C

Nagabhushan.B.C

Authorised Bank Offi

GSTIN : 29AABCD1831C1Z7

Dominos's Pizza

Ground Floor, No 1048, Kudur Plaza, Nagasandra, Hesaraghatta Main Road,
Bangalore - 560073

From :
Arava Thilak
Manager
Dominos Pizza
Nagasandra, Bangalore - 560073

To :
Mr. Raghavendra .B
3rd Year 6 Sem BBA
Soundarya institute of management,
Bangalore - 560073

Subject :- Certificate of Internship Ref No:- U03KU21M0036

This is to certify that
Mr. Raghavendra .B Reference Reg No U03KU21M0036
Student of Soundarya institute of management,
Raghavendra .B has successfully completed internship course from 27th March to 23rd April of 28 days from our institution. He has worked here to related topic of Inventory Management. During his service period,

he has been found sincere, reliable, trustworthy and open to all challenges.
wish him all the best for his future Regards:- The marks secured by him 10 out of 10.

Date :-

Manager(GDM)

Jubliant Foodworks Ltd.
Formerly Knows as DOMINO'S PIZZA
Kudur Plaza, Ground Floor,
Khata No. 38, Site No. 1, Nagasandra Post,
Yeshwanthpura Hobli, Bangalore-560 073.

SINCE 1974

SS SONI STEELS

SONI SPECIAL STEELS AND ALLOYS (INDIA) PVT LTD.

SB-41, 1st Cross, 1st Stage, Peenya Indl. Estate, Bangalore-560 058.
Telefax : 080-28397154 / 28397155 / 41179363 / 41283037 Mobile : 9341229277
E-mail : info@sonisteels.com Website : www.sonisteels.com CIN : U27100KA2011PTC058511

JAS-ANZ
AN ISO 9001 - 2015
RQ 91 / 6730

Dt. 15.04.2024

To

M/s. Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post,
Bangalore 560 073

Sub: Internship in our company for your student Mr. Nikhil. G
(Reg No U03KU21M0004)

Dear Sir/ Madam,

We would like to confirm that your application for internship is accepted.

Here are the terms of internship while working with the company.

1) Duration of internship will be 90 working hours.
2) You will be designated as trainee in HR department.

Please feel free to contract us for further details.

Sincerely
Sunil K Soni
For SONI SPECIAL STEELS AND ALLOYS (INDIA) PVT. LTD.

SONI SPECIAL STEELS AND ALLOYS (INDIA) PVT. LTD. Bangalore

Managing Director.
DIRECTOR
Soni Special Steels & Alloys (India) Pvt Ltd.,
SB-41, 1ST Cross, 1st Stage, Peenya Indl Estate,
Bangalore 560 058.

A STUDY ON EMPLOYEE TRAINING AND DEVELOPMENT PROGRAM – WITH REFERENCE TO THE KENNAMETAL INDIA LIMITED COMPANY BANGALORE"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

CHAITRA C

P03KU22M015002

Under the Guidance of

Dr. VASU. B. A

Principal

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

KENNAMETAL

09th February 2024
Bangalore

CERTIFICATE

This is to certify that **Ms. Chaitra C,** bearing Regd. No: P03KII22M015002, Master of Business Administration Student from Soundarya Institute of Management and Science, has successfully completed her "**Internship**" in our organization **from 08th January 2024 to 07th February 2024.**

We wish her all the success in her future endeavors.

For Kennametal India Limited

Sanyakth Ballal
Deputy General Manager - Human Resource.

DECLARATION BY THE STUDENT

I hereby declare that "A Study On Employee Training and Development Program" is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of master's degree in business administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Date: **NAME : CHAITRA C**

Place: Bangalore **Reg no: P03KU22M015002**

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**TRAINING AND DEVELOPMENT PROGRAM WITH REFERENCE TO KENNAMETAL INDIA LIMITED**" is an original work of **MS. CHAITRA C** bearing Register Number **P03KU22M015002** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

"FINANCIAL PERFORMANCE EVALUATION AND STRATEGIC ANALYSIS OF NIVA BUPA HEALTH INSURANCE A COMPREHENSIVE STUDY"

Synopsis submitted in partial fulfilment of the management for the Award of the degree of

MASTER OF BUSINESS ADMINISTRATION

FOR QUALITY AND EXCELLENCE

By

AKASH M

P03KU22M015003

Under the

Guidance of

Dr. VASU B A

PRINCIPAL

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022-2024

Bangalore University 2022-2024

niva Bupa
Health Insurance

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr.Akash M,** bearing **Register No. P03KU22M015003** and a student of Soundarya Institute of Management & Science, Bangalore, has successfully completed an internship project on the topic of Financial Performance Evaluation and Strategic Analysis of Niva Bupa Health Insurance. This comprehensive study was conducted between **2nd January 2024 to 2nd February 2024** as part of her MBA curriculum.

During this period, **Mr.Akash M** actively contributed and gained valuable experience by working in various departments, including Marketing, Finance, and Accounts. Their dedication, hard work, and commitment to learning have been commendable, making them a valuable asset to any organization in the future.

Sincerely,

Jeevan N

Jeevan N

Senior TA, Team HR

Niva Bupa Health Insurance Company Limited

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled "**FINANCIAL PERFORMANCE EVALUATION AND STRATEGIC ANALYSIS OF NIVA BUPA HEALTH INSURANCE :A COMPREHENSIVE STUDY** "is an original work of

Mr.AKASHM bearing University Register Number **P03KU22M015003** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

SIGNATURE OF

DIRECTOR/PRINCIPAL/HOD

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "**Financial Performance Evaluation And Strategic Analysis Of Niva Bupa Health Insurance:A Comprehensive Study** " is the result of the project work carried out by me under the guidance of **Dr .VASU BA** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place:

Name: Akash M

Date:

Register Number: P03KU22M015003

"A STUDY ON FINANCIAL PERFORMANCE ANALYSIS: EVALUATING THE SUCCESS OF THE HARI BHARGO ENGINEERING STAMPING AND TOOLING COMPANY"

Internship Project submitted in partial fulfillment of the requirements for the Award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

Submitted By

PRATHIBHA.G

Register No: P03KU22M015004

Under the guidance of

Dr. VASU BA

Principal, Director

Department of Management Studies- MBA 2022-24

SOUNDARYA INSTITUTION OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra post, Bangalore- 560073

Bangalore university

2022-2024

HariBhargo Engineering Stamping & Tooling's

#110/2, 7th Main, 3rd Phase, Peenya Industrial Area, Bangalore-560058

Ph: +91-9945615015, +91-9844778324, Email-bhargoengineering@gmail.com, GST 29AAGFH4704G1ZG

Date: 06-02-2024

INTERSHIP CERTIFICATE

This is to certify that Ms. Prathibha G (Reg No.P03KU22M015004), student of Soundarya Institute of Management and Science, Bangalore has carried out a internship project "A Study on Finance performance analysis: Evaluating the success of the Hari Bhargo Engineering Stamping & Tooling's company was trainee with us **Internship-Finance** from 3rd January 2024 to 06th February 2024, as part of academic study.

She has done an exemplary training while training & has always maintained professional relations with the team and colleagues.

During her internship she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations. And she was able to complete project on time.

We wish her all best for her upcoming career and future opportunities.

Your's sincerely

Hari Bhargo Engineering
Stamping & Toolings
#110/2, 7th Main, 3rd Phase, Peenya
Bangalore - 560 058

Authorized Signatory

DECLARATION BY THE STUDENT

I hereby declare that "**A STUDY ON FINANCIAL PERFORMANCE ANALYSIS: EVALUATING THE SUCCESS OF THE HARI BHARGO ENGINEERING STAMPING AND TOOLING COMPANY**" is the result of the project work carried out by me under the guidance of Dr. Vasu B A in partial fulfillment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURU

Date:

Name: PRATHIBHA.G

Prathibha.G

Register Number: P03KU22M015004

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" **FINANCIAL PERFORMANACE ANALYSIS: EVALUATING THE SUCESSES OF HARI BHARGO ENGINEEING STAMING AND TOOLING COMPANY**" is an original work of **Ms. PRATHIBHA.G**, bearing Register Number **P03KU22M015004** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

"EFFECTIVENESS OF ORGANIZATIONAL CULTURE"

Internship Project submitted in partial fulfillment of therequirements for the

Award of the Degree of

MASTER OF BUSINESS ADMINISTRATION
OF

BANGALORE UNIVERSITY

Submitted By

MEGHANA S

Register No: P03KU22M015005

Under the guidance of
Dr. VASU BA
Principal,Director
Department of Management Studies- MBA2022-24

SOUNDARYA
INSTITUTE OF
MANAGEMENT &
SCIENCE

SOUNDARYA INSTITUTION OF MANAGEMENT AND SCIENCE
Soundarya Nagar, Sidedahalli, Nagasandra post, Bangalore -560073

Company certificate

SOUTHERN ELECTRONICS (BANGALORE) PVT. LTD.
14-A, PEENYA INDUSTRIAL AREA, PHASE-1, PEENYA, BANGALORE - 560 058.
Phone : +91-80-69180304 / 335
e-mail : admin@seonics.co.in / marketing@seonics.co.in http : // www.seonics.co.in
CIN No. U31909KA1971PTC002095

SEB/PRJ/70

Date: 01.02.2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Meghana S**(Reg No.P03KU22M015005).has project work titled-"Effectiveness of organizationl culture"from 3rd Jan 2024 to 31st Jan 2024 in the Department of **Human Resources.**

For **SOUTHERN ELECTRONICS (BANGALORE) PVT. LTD.**

SOUTHERN ELECTRONICS (BANGALORE) PVT. LTD. BANGALORE 560 058

Meena Kumari S.
Manager-HR

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "EFFECTIVENESS OF ORGANIZATIONAL CULTURE "is an original work of Ms. MEGHANA S, bearing Register Number P03KU22M015005 and is being submitted in partial fulfillment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfillment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL

Soundarya Institute of Management & Science

Soundarya Nagar, Sidedahalli,

Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that "**EFFECTIVENESS OF ORGANIZATIONAL CULTURE**" is the result of the project work carried out by me under the guidance of Dr. Vasu B A in partial fulfillment for the award of Master's Degree in Business Administration by Bengaluru University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURU **Name: MEGHANA S**

Date: **Register Number:P03KU22M015005**

A Study on The Financial inclusion through Cooperative Banks: A Feasible option for inclusive Growth - Soundarya souharda credit cooperative of society Ltd, Bangalore.

Internship Project submitted in partial fulfilment of the requirements for the Award of the degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

HARSHITHA N

P03KU22M015006

Under the Guidance of

Dr. VASU B A

Principal & Director

Department Of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Siddedahalli, Nagasandra Post, Bangalore- 73

Bangalore University

2022-2024

Soundarya Souharda Credit Co-Operative Ltd.
Reg. No. JRB/RGN/SK/71/3674/2014-15
We Serve .... We Care ...

Soundarya Arcade,
Hesaraghatta Main Road,
Havanoor Extension,
Nagasandra Post, Bengaluru - 560073.
Phone : 080 28394789
soundaryasouhardha@gmail.com

CERTIFICATE FROM THE COMPANY

This is to certify that **Ms. Harshitha N,** student of SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE, 3RD semester MBA having Reg No.P03KU22M015006, has completed her project work titled **" A Study on The Financial inclusion through Co Operative banks: A Feasible Option for Inclusive Growth offered at M/s SOUNDARYA SOUHARDA CREDIT CO-OPERATIVE LTD"**, Bengaluru for a period of One month.

Her conduct was found to be **Good** during the course of project work and we wish her successful future.

Place: Bengaluru
Date : 15-02-2024

Branch Manager

DECLARATION BY THE STUDENT

I hereby declare that "**A Study on The Financial inclusion through Cooperative Banks: A Feasible option for inclusive Growth - Soundarya souharda credit cooperative of society Ltd, Bangalore**" is the result of the project work carried out by me under the guidance of **Dr. Vasu B A, Principal & Director, Department of MBA , Soundarya Institute of Management and Science**, in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of own efforts and that it has not been submitted to any other university or institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Harshitha N

Name: Harshitha N

Date:

Register Number:
P03KU22M015006

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A Study on The Financial inclusion through Cooperative Banks: A Feasible option for inclusive Growth" - Soundarya souharda credit cooperative of society Ltd, Bangalore.** is an original work of Mr./Ms **Harshitha N**; bearing University Register Number **P03KU22M015006** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature Of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Date:

Signature Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Date:

A STUDY ON FINANCIAL ANLYSIS WITH REFERENCE TO VARUN BEVERAGE LTD

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

Ramya P N

Reg. No. P03KU22M015007

Under the guidance of

DR. Vasu B A

Designation of guide: Principal

SOUNDARYA INSTITUE OF MANAGEMENT AND SCIENCE

Soundarya Nagar Sidedahalli, Nagasandra Post, 296, 9th Cross Rd, Prakruthi Layout,

Soundarya Layout, Bengaluru, Karnataka 560073

Bangalore University

2023–2024

VARUN BEVERAGES LIMITED

34th. K.M. STONE, NATIONAL HIGHWAY - 4, VILLAGE TEPPADA BEGUR,
NELAMANGALA, BENGALURU - 562 123 TEL : 99160 12306 / 99160 12308
CIN No : L74899DL 1995PLC069839 Web : www.rjcorp.in E-mail ID : info@rjcorp.in

Ref: VBL/HR/INT-02-2024
Date:-04.02.2024

INTERNSHIP CERTIFICATE

This is to certify that **MS. Ramya P N** (Reg. P03KU22M015007), Student of Soundarya Institute of Management & Science, Bangalore has carried out a internship project "A study on financial analysis with special reference to Varun Beverages Ltd". Between 05/01/2024 to 04/02/2024. As a part of her MBA curriculum.

During this period, she showed good initiative in under in understanding various process of and practices on financial analysis which practicing at Varun beverages Limited. She has been thoroughly professional while carrying out her project.

She holds a very promising career in her profession and we wish her all the best for her future endeavors.

For Varun Beverages Limited

Authorized Signature

VARUN BEVERAGES LIMITED NELAMANGALA

DECLARATION BY THE STUDENT

I hereby declare that *"A STUDY ON FINANCIAL ANLYSIS WITH REFERENCE TO VARUN BEVERAGES LTD"* is the result of the project work carried out by me under the guidance of Dr Vasu B A in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Ramya.P.N

Place: Bengaluru

Name: Ramya P N

Date:

Register Number: P03KU22M015007

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A Study On Financial Analysis With Reference To Varun Beverages Ltd**" is an original work of **Mr./Ms Ramya P N**, bearing **Register Number P03KU22M015007** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

"A STUDY ON IMPORTANCE OF FINANCE DEPARTMENT IN HOSPITAL INDUSTRY WITH REFERENCE TO GLENEAGLES HOSPITAL"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

Sandeep Rao N

P03KU22M015008

Under the guidance of

Dr. B A Vasu

Director

Department of Management-MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli , Nagasandra post, Bangalore - 560073

2022–2024

Date: 31st Jan 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Sandeep Rao N** (Reg.No.P03KU22M015008), has completed his project work titled – "A Study on Important of Finance Department in Hospital Industry with reference to BGS Hospital" from **29th Dec 2023 to 29th Jan 2024** in the Department of **Finance Department.**

Thanking you

For Gleneagles Healthcare India Private Limited
Bengaluru

Sachin Shet
Cluster Head-Human Resources
Gleneagles Global Hospitals, Bangalore

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON IMPORTANCE OF FINAENCE DEPARTMENT IN HOSPITAL INDUSTRY WITH REFERENCE TO GLENEAGLES HOSPISTAL" is the result of the project work carried out by me under the guidance of *Name of the Guide* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Sandeep

Name: Sandeep Rao. N

Date:

Register Number: P03KU22M015008

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A study on important of Finance Department in Hospital Industry with reference to Gleneagles Hospital is an original work of Mr Sandeep Rao N bearing Register Number P03KU22M015008 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

"ANALYSIS OF BUDGETARY CONTROL WITH SUBJECT TO FINANCIAL MANAGEMENET AT HIGHTEMP FURNACE LIMITED"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

GURURAJ C

Reg. No: P03KU22M015009

Under the Guidance of

Dr. Vasu B A

Director

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

HIGHTEMP FURNACES LIMITED
1C, 2nd Phase, Peenya Indl. Area,
Bengaluru - 560 058.
Karnataka, India
Phone : +91-80-28395917 / 4076 / 1446
Fax : +91-80-28390490 / 28390489
Website : www.hightemp-furnaces.com
CIN - U74999PN1971PLC220089

Ref No- HTF/TRG/2023-2024

Date: 31st Jan 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify Mr. Gururaj C (Reg No. **P03KU22M015009**). Student of MBA Programme of **Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagsandra Post, Bangalore-560073** Has successfully undergone his project Internship entitled "**Analysis of Budgetary Control With Subject to Financial Management at Hightemp Furnaces Limited**", under the valuable guidance of Mr. Chandrasekhar Manager- Accounts Hightemp Furnace ltd. Peenya Industrial area Bangalore for a period from 01/01/2024 to 31/01/2024. During his project stay in our organization he was found hardworking & inquisitive

We wish Mr. Gururaj C L all the best for his future endeavor

Thanking You.

For Hightemp Furnaces Limited

HIGHTEMP FURNACES LTD. BANGALORE

Dy. Manager – HR & Admin

DECLARATION BY THE STUDENT

I hereby declare that "*Analysis of budgetary control with subject to financial managemenet at Hightemp furnace limited* " is the result of the project work carried out by me under the guidance of Dr. Vasu B A in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURU

Name: GURURAJ C

Date:

Register Number: P03KU22M015009

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "ANALYSIS OF BUDGETARY CONTROL WITH SUBJECT TO FINANCIAL MANAGEMENET AT HIGHTEMP FURNACE LIMITED" is an original work of Mr. Gururaj C, bearing Register Number P03KU22M015009 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

"A Study on Customer Satisfaction towards FMCG Products" with special reference to Britannia

Internship Project submitted in partial fulfilment of the requirement for the award of the degree of

"MASTER OF BUSINESS ADMINISTRATION"

OF

BANGALORE UNIVERSITY

By

Justin James

P03KU22M015010

Under the guidance of

Dr VASU B A

Principal

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedashalli, Nagasandra post, Bangalore - 560073

2022-2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study on Customer Satisfaction towards FMCG Products with special reference to Britannia" is an original work of Mr. Justin James, bearing Register Number P03KU22M015010 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

uper Tasty Bakery Foods (India) Pvt. Ltd.
Main Office No. 46, N.S. Iyengar Street, Seshadripuram, Bangalore - 560 020.
Phone 080-23319777, 23319888. Fax : 080-23319666 GSTIN : 29AALCS0543E1ZD
E-mail info@btsflour.com
Survey No. 51, Kanjiganahalli, Madure Hobali, Doddaballapur Taluk (10 Km in Nelamangala to Doddaballapur Road)

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Mr. Justin James of Soundarya Institute of Management and Science (P03KU22M015010) has done is summer project on "A Study on Customer Satisfaction towards FMCG Products with special reference to Britannia" at Super Tasty Bakery Foods (India) Pvt. Ltd, Co-Packers for Britannia Industries Limited for the period of 15th February 2024 to 29 February 2024.

He has completed his project under the guidance of Narpat Singh, H.R.Manager.

While on this we would like to state that all information and data acquired in the process is confidential in nature and the sole property of Super Tasty Bakery Foods (India) Pvt. Ltd.

We wish him all success in all of his future endeavor.

Thanking you

Yours faithfully

For Super Tasty bakery food's India Pvt. Ltd.

SUPER TASTY BAKERY FOODS (INDIA) PVT. LTD.
Survey No. 51, Kanjiganahalli,
Madhure Hobli, Doddaballapura Taluk,
Bengaluru Rural District - 562 123

Human Resource

DECLARATION BY THE STUDENT

I hereby declare that "***A Study on Customer Satisfaction towards FMCG Products with special reference to Britannia***" is the result of the project work carried out by me under the guidance of Dr. Vasu B A in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Date:

Name: Justin James

Reg. Number: P03KU22M015010

A Study on an Analytic Investigation into The Awareness and Perception of GST among Rural Traders at Naveen Kumar and Company

Internship project submitted in partial fulfillment of the requirement for the Award of the degree

MASTER OF BUSINESS ADMINISTRATION
Of
BANGALORE UNIVERSITY

By

MANASA M

P03KU22M015011

Under the Guidance of

Dr. VASU B A

Principal & director

Department Of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sided Halli, Naga Sandra Post, Bangalore-73

Bangalore University

2022-2024

II Sri Mylaralingaswara swamy prasanna II

NAVEEN KUMAR AND CO.,

(Supply of Manpower out Source Services)

SERVICES BEYOND EXPECTATIONS

Date: 01-01-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify That **MS. MANASA.M** (Registration Number **P03KU22M015011**) a student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073 has successfully completed her project on the topic entitled **"A STUDY ON AN ANALYTIC INVESTIGATION INTO THE AWARENESS AND PERCEPTION OF GST AMONG RURAL TRADERS AT NAVEEN KUMAR AND COMPANY"** from 01 January 2024 to 31 January 2024.

During this period, she has shown keen interest in her work and her conduct and character were found good.

We take this opportunity to wish her all success in her future endeavors.

For. NAVEEN KUMAR AND CO.,

Naveen Kumar

M/s. NAVEEN KUMAR AND CO. BANGALORE

Naveen Kumar

Proprietor

Office at No- 213, 1st Floor, 3rd Main, 8thCross, 1st Stage, 2nd Cross, Manjunathanagar, Bangalore - 560 010.

E-Mail ID – naveenkumar.mv02@gmail.com , Ph-91+9740992505/2526 / Office No: 8197223280

DECLARATION BY THE STUDENT

I hereby declare that "**AN ANALYTIC INVESTIGATION INTO THE AWARENESS AND PERCEPTION OF GST AMONG RURAL TRADERS**" is the result of the project work carried out by me under the guidance of **Dr. VASU B A, Principal & Director, Department of MBA, Soundarya Institute of Management and Science** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BANGALORE

Manasa. M.

Name: MANASA M

Date:

Register Number:

P03KU22M015011

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A Study on Analytic Investigation the Awareness and Perception of GST Among Rural Traders at Naveen Kumar and Company"** is an original work of MS. **Manasa M**, bearing Register Number **P03KU22M015011** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

"A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO ITC LIMITED, BANGALORE"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

GOWTHAM P

Reg. No: P03KU22M015012

Under the Guidance of

Dr. Vasu. B. A

Principal & Director, Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

ITC Limited
INDIA TOBACCO DIVISION
Meenakunte Village
Jala Hobli
Bengaluru (North) - 562 157
INDIA
Tel : 0091 - 80-28467709/10/11/12/14/15

Enduring Value

1st February, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Gowtham P, of Soundarya Institute of Management & Science, Bengaluru, bearing Reg. no. P03KU22M015012, has successfully completed a Project on subject "A Study on Financial Performance with reference to ITC Ltd." at ITC Limited, Bengaluru Factory from 4th January, 2024 to 31st January, 2024.

He has done this Project under the guidance of Mr. Naveen Lobo of Human Resources Department.

He has completed this Project to the satisfaction of all concerned.

We wish him all the best in his future endeavors.

SR. HUMAN RESOURCES MANAGER

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO ITC LIMITED, BANGALORE" is the result of the project work carried out by me under the guidance of Dr. Vasu. B. A in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: GOWTHAM P

Register Number: P03KU22M015012

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO ITC LTD, BANGALORE" is an original work of Mr GOWTHAM P, bearing Register Number P03KU22M015012 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

"COST REDUCTIONS TECHNIQUE AT HIMALAYA DRUG COMPANY, BANGALORE"

Internship Project submitted in partial fulfillment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

YOGANANDA K N

Reg. No: P03KU22M015013

Under the Guidance of

Dr. VASU B A

Director , Principal Department of MBA .

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

himalaya
SINCE 1930

Himalaya Drug Company
Makali, Bengaluru, KA, 562 162, India
1(800) 208-1930 / 1(800) 425-1930 (Toll-free in India)
cust.service@himalayawellness.com
www.himalayawellness.com

25 February 2024

TO WHOMSOEVER IT MAY CONCERN

This is to state that **MR. YOGANANDA K.N., REG NO: P03KU22M015013**, MBA Student of **SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE, Soundaryanagar, Sidedahalli, Nagasandra Post, Bangalore-560073**, has been working in our company on his dissertation titled **"COST REDUCTIONS TECHNIQUE AT HIMALAYA DRUG COMPANY "**. The dissertation was between 25/01/2024 to 24/02/2024 . During his tenure in our company he was working under the able guidance of Mr. Hanumantharaju

We wish him best of luck for all his future endeavors, thanking you

Himalaya Drug Company

Makali, Bangaluru

For HIMALAYA DRUG COMPANY,

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" COST REDUCTIONS TECHNIQUE AT HIMALAYA DRUG COMPANY BANGALORE " is an original work of Mr YOGANANDA K N, bearing Register Number P03KU22M015013 and is being submitted in partial fulfillment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfillment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that "COST REDUCTIONS TECHNIQUE AT HIMAYALA DRUG COMPANY BANGALORE " is the result of the project work carried out by me under the guidance of Dr. VASU B. A in partial fulfillment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Yoganand K.N

PLACE: BENGALURU **Name: YOGANANDA K N**

DATE: **Register Number: P03KU22M015013**

"A STUDY ON FINANCIAL PERFORMANCE ANALYSIS AT SBFC FINANCE LIMITED"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

THANUJA B.S

P03KU22M015014

Under the guidance of

DR. VASU B A

Director & Principal

Department Of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Naga Sandra Post, Bangalore-73

Bangalore University

2022-2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON FINANCIAL PERFORMANCE ANALYSIS AT SBFC FINANCE LIMITED"** is an original work of Ms.**THANUJA B S** , bearing Register Number **P03KU22M015014** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

SBFC 156688

Date: 04-02-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify That **MS THANUJA B.S** (Registration Number **P03KU22M015014**) a student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073 has successfully completed her project on the topic entitled **"A STUDY ON FINANCIAL PERFORMANCE ANALYSIS AT SBFC FINANCE LIMITED"** from 04 January 2024 to 04 February 2024.

During this period, she has shown keen interest in her work and her conduct and character were found good.

We take this opportunity to wish her all success in her future endeavors.

SBFC Finance Limited
Manager

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON FINANCIAL PERFORMANCE ANALYSIS AT SBFC FINANCE LIMITED"** is the result of the project work carried out by me under the guidance of **Dr. VASU B A, DIRECTOR & PRINCIPAL, DEPARTMENT OF MBA, SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE,** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my efforts and that it has not been submitted to any other university or Institute for the award of any other degree Diploma or Certificate.

Thanuja B.S

Place: Bangalore

Name: Thanuja B. S

Date:

Register Number: P03KU22M015014

"A STUDY ON BRAND AWARENESS AND MARKETING STRATERGIES ON COMPANY PERFORMANCE AT KSDL (BENGALURU)"

Internship Project submitted in partial fulfilment of the management for the Award of the degree of

MASTER OF BUSINESS ADMINISTRATION

FOR QUALITY AND EXCELLENCE

By

KAVIARASU M

Reg.No: P03KU22M015015

Under the Guidance of

DR. VASU B.A

Principal & Director, Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022-2024

KARNATAKA SOAPS & DETERGENTS LIMITED.

BANGALORE-55

(A Government of Karnataka Undertaking)

No: 27, Industrial Suburb, P.B No: 5531

Bengaluru-Pune Highway, Rajajinagar, Bengaluru-560055, KARNATAKA

CERTIFICATE

NO: KSDL/HRD/TRAINING/23-24/30 Date: 14.02.2024

This is to certify that **Mr. Kaviarasu.M, Reg.No.P03KU22M015015,** Student **of** Soundarya Institute of Management and Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073, has completed his **Internship** work on **"A Study on Brand Awareness and Marketing Strategies on Company Performance"** at Karnataka Soaps & Detergents Limited Bengaluru-560055 period **from 16.01.2024 to 15.02.2024.**

During Internship work on his academic ability and character was good.

MANAGER
Human Resource Development

MANAGER (HRD)
KARNATAKA SOAPS AND DETERGENTS LTD,
BANGALORE-560055

Place: Bengaluru

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON BRAND AWARENESS AND MARKETING STRATEGIES ON COMPANY PERFORMANCE AT KSDL"** is an original work of **Mr. Kaviarasu M** Bearing Register Number **P03KU22M015015** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON BRAND AWARNESS AND MARKETING STRATIEGIES ON COMPANY PERFORMANCE AT KSDL (BENGALURU)" is the result of the project work carried out by me under the guidance of Dr. Vasu B A in partial fulfilment for the award of Master's degree in Business Administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of the any other degree or diploma or certificate.

Place: Bengaluru

Name: Kaviarasu M

Date:

Register number: P03KU22M015015

"A STUDY ON GROWTH OF FINANCIAL PERFORMANCE WITH REFERENCE TO GLASTEONIX"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Naveen Kumar. M. S

Reg. No: P03KU22M015016

Under the Guidance of

Dr. Vasu. B. A

Principal & Director, Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

Glastronix

(Formerly known as GLAS (I) PVT. LTD.)
(An ISO 9001:2015 Company)
Plot No. 21-E2, II Phase,
Peenya Industrial Area,
Bangalore - 560 058
Phone : 28396268 / 28395924
28397225 / 28394095
Email : info@glastronix.com

25/01/2024

CERTIFICATE

This is to certify that **Mr.Naveen Kumar M S (Reg No:P03KU22M015016)**, II Year MBA, Department of Finance, **Soundarya Institute of Management and Science** has undergone an internship **from** 04/01/2024 to 25/01/2024 in our organization. He also undertook the project on the subject of **"Financial Study of Glastronix LLP"** during his internship. We understand it is submitted in partial fulfilment of the requirements for the Master's degree in finance award.

We wish him all the success in his future endeavors.

For Glastronix LLP,

GLASTRONIX LLP BANGALORE-58

Venkatesh. D

Assistant General Manager - HR/IR & ADMIN

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B++" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "STUDY ON GROWTH OF FINANCIAL PERFORMANCE WITH REFERENCE TO GLASTRONIX" is an original work of Mr. Naveen Kumar. M. S. bearing Register Number P03KT22M015016 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university Institution for the fulfilment of the requirement of a course of study or any other Degree

Signature of Guide

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON GROWTH OF FINANCIAL PERFORMANCE WITH REFERENCE TO GLASTRONIX" is the result of the project work carried out by me under the guidance of Dr. Vasu. B. A in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: NAVEEN KUMAR M S

Register Number: P03KU22M015016

"IMPACT OF AI AND AUTOMATION IN HR PROCESSES"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Hema S

Reg. No: P03KU22M015017

Under the Guidance of

Dr. Vasu B A

Director

Department of **MBA**

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

BGS Gleneagles Global Hospital
KENGERI BENGALURU

Date: 31st Jan 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Hema S** (Reg.No.P03KU22M015017), has completed her project work titled – "Impact of AI and Automation on the HR Process" from **29th Dec 2023 to 29th Jan 2024** in the Department of **Human Resources.**

Thanking you

For **Gleneagles Healthcare India Private Limited**
Bengaluru

BGS GLOBAL HOSPITALS BANGALORE

Sachin Shet
Cluster Head-Human Resources
Gleneagles Global Hospitals, Bangalore

DECLARATION BY THE STUDENT

I hereby declare that "***Impact of AI and Automation In HR processes***" is the result of the project work carried out by me under the guidance of Dr. Vasu B A in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURU

Name: HEMA S

Date:

Register Number: P03KU22M015017

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "IMPACT OF AI AND AUTOMATION IN HR PROCESSES" is an original work of Ms Hema S. bearing Register Number P03KU22M015017 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

"A STUDY ON COMPARATIVE ANALYSIS OF DIFFERENT ASSET CLASSES WITH MUTUAL FUND AT NJ WEALTH PVT LTD"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

Of

BANGALORE UNIVERSITY

By

HEENA KHOUSER

P03KU22M015018

Under the Guidance of

Dr. VASU B A

PRINCIPAL

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru – 560073

2022–2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study on Comparative Analysis of Different Asset classes with Mutual Fund" is an original work of Ms Heena Khouser, bearing Register Number P03KU22M015018 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Scien
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that "*A STUDY ON COMPARATIVE ANALYSIS OF DIFFERENT ASSET CLASSES WITH MUTUAL FUND AT NJ WEALTHS*" is the result of the project work carried out by me under the guidance of *DR. VASU B.A.* Principal in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University

I further affirm that I am the sole author of this project and that I haven't submitted it to any other institution or institute in order to be awarded a different degree, diploma, or certificate.

Place: Bangalore

Date:

Name: Heena Khouser

Register Number: P03KU22M015018

ACKNOWLEDGMENT

This is the matter of pleasure for me to acknowledge my deep sense of gratitude to SIMS College for giving me an opportunity to explore my abilities via this dissertation.

I take this opportunity to express my sincere and gratitude to my guide **Dr. BA Vasu** principal of Soundarya Institutions of Management and Science for providing all the facilities and his valuable guidance advice in completing my organizational study.

I would like to record my heartfelt appreciation and gratitude towards all the officials and employees of **NJ Wealth Private Limited**, without whose kind assistance, my dissertation would have succeeded.

I am also very thankful towards my colleagues and authorities of MBA, SIMS College for their support, encouragement, and valuable suggestions for the completion of this organizational study.

Last but not the least, I would like to express my sincere thanks to my family members, friends for their immense support and the best wishes through-out the study and the preparation of this report.

Place: Bangalore

Date:

Name: HEENAKHOUSER

Register Number: P03KU22M015018

A STUDY ON DUPONT FINANCIAL MODEL WITH REFERENCE TO FINANCIAL PERFORMANCE ANALYSIS OF "HIGHTEMP FURNACES LIMITED"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Name: Yashwanth AN

Reg. No: P03KU22M015019

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Under the Guidance of

Dr. ROOPA SHETTIGAR

HOD & Associate Professor

Department Of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON DUPONT FINANCIAL MODEL WITH REFERENCE TO FINANCIAL PERFORMANCE ANALYSIS OF "HIGHTEMP FURNACES LIMITED"** is an original work of Mr. **YASHWANTH A.N** bearing Register Number **P03KU22M015019** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORD[illegible]R
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore 560 073.
M : +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that *"A STUDY ON DUPONT FINANCIAL MODEL WITH REFERENCE TO FINANCIAL PERFORMANCE ANALYSIS OF "HIGHTEMP FURNACES LIMITED""* is the result of the project work carried out by me under the guidance of Dr. Roopa Shettigar, HOD in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Yashwanth AN

Place: Bangalore **Name: Yashwanth AN**

Date: **Register Number: P03KU22M015019**

ACKNOWLEDGEMENT

I sincerely express my profound gratitude to Dr. Vasu B.A., Principal at Soundarya Institute of Management and Science affiliated to Bangalore University for extending greater support and assistance to complete internship project.

I convey my sincere gratitude to Dr. Roopa Shettigar, HOD & Associate Professor at Soundarya Institute of Management and Science affiliated to Bangalore University as my instructor for her timely guidance and continued inspiration and encouragement for accomplishing qualitative internship project.

I also extend my wholehearted thanks to Hightemp Furnaces Limited and Mr. Chandru, Finance department for providing comprehensive learning atmosphere and industry work setting exposure and directing me to successful completion of this project report.

Finally, I convey my sincere regards and thankfulness to all those, who supported my internship journey.

DATE:

PLACE: BENGALURU

NAME: Yashwanth AN

P03KU22M015019

HIGHTEMP FURNACES LIMITED
Bengaluru - 560 058.
Karnataka, India
Phone : +91-80-28395917 / 4076 / 1446
Fax : +91-80-28390490 / 28390489
Website : www.hightemp-furnaces.com
CIN - U74999PN1971PLC220089

Ref No- HTF/TRG/2023-2024

Date: 31st Jan 2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify Mr. Yashwanth A N (Reg No. P03KU22M015019). Student of MBA Programme of **Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagsandra Post, Bangalore-560073** Has successfully undergone his project Internship entitled "**A Study on Dupont Financial Model with reference to Financial Performance of Hightemp Furnaces Limited**", under the valuable guidance of Mr. Chandrasekhar Manager- Accounts Hightemp Furnace ltd. Peenya Industrial area Bangalore for a period from 01/01/2024 to 31/01/2024. During his project stay in our organization he was found hardworking & inquisitive

We wish Mr. Yashwanth A N all the best for his future endeavor

Thanking You.

For Hightemp Furnaces Limited

Dy. Manager – HR & Admin

HIGHTEMP FURNACES LTD. BANGALORE

A STUDY ON EFFECTIVENESS OF MARKETING STRATEGIES IN HEALTHCARE WITH SPECIAL REFERENCE TO PATIENT ACQUISITION AND RETENSION AT BGS GLENEAGLES GLOBAL HOSPITAL

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Name: Vandana R

Reg. No: P03KU22M015020

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Under the Guidance of

Dr. ROOPA SHETTIGAR

Associate Professor

Department Of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON EFFECTIVENESS OF MARKETING STRATEGIES IN HEALTHCARE WITH SPECIAL REFERENCE TO PATIENT ACQUISITION AND RETENSION AT BGS GLENEAGLES GLOBAL HOSPITAL**" is an original work of Ms. **VANDANA R** bearing Register Number **P03KU22MO15020** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-560 073.
M: +91 90359 97[illegible]
roopashettigar@soundaryainstitution.in

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that *"A STUDY ON EFFECTIVENESS OF MARKETING STRATEGIES IN HEALTHCARE WITH SPECIAL REFERENCE TO PATIENT ACQUISITION AND RETENSION AT BGS GLENEAGLES GLOBAL HOSPITAL"* is the result of the project work carried out by me under the guidance of in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Vandana.R

Place: Bangalore

Name: Vandana R

Date:

Register Number: P03KU22M015020

BGS Gleneagles Global Hospital
KENGERI, BENGALURU

31st January 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms.Vandana R** (Reg.No.PO3KU22M015020), has completed her project work titled "**A Study of Effectiveness of Marketing Strategies In Healthcare with special reference to Patient Acquisition and Retention**" at BGS Gleneagles Global Hospital from **29th Dec 2023 to 29th Jan 2024** in the department of **Marketing**.

Thanking you,

For Gleneagles Healthcare India Private Ltd.,
Bengaluru

BGS GLENEAGLES GLOBAL HOSPITAL * BENGALURU-60 *

Sachin Shet
Cluster Head – Human Resources
Gleneagles Global Hospitals, Bangalore

"STUDY ON COST BENEFIT ANALYSIS WITH REFERENCE TO BUSINESS DECISION ON VOLVO CONSTRUCTION EQUIPMENT"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Pavan. J

Reg. No: P03KU22M015021

Under the Guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" STUDY ON COST BENEFIT ANALYSIS WITH REFERENCE TO BUSINESS DECISION ON VOLVO CONSTRUCTION EQUIPMENT" is an original work of Mr. Pavan J, bearing Register Number P03KU22M015021 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560 073.
M : +91 90359 97[illegible] 1488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that **"STUDY ON COST BENEFIT ANALYSIS WITH REFERENCE TO BUSINESS DECISION ON VOLVO CONSTRUCTION EQUIPMENT"** is the result of the project work carried out by me under the guidance of Dr. Roopa Shettigar in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: PAVAN J

Register Number: P03KU22M015021

VOLVO CONSTRUCTION EQUIPMENT

To whomsoever it may concern

Date	Telephone	Telefax	Our Reference
02 February 2024	+91 80 4129 1500	+91 80 4129 1715	

This is to certify Mr. Pavan J studying in Soundarya Institute of Management & Science, Bengaluru bearing Reg No: P03KU22M015021 has successfully completed his internship project with us from 12th Jan 2024 to 02nd Feb 2024.

During the internship his project title was "Study of Cost Benefit Analysis with Reference to Business decision on Volvo Construction Equipment".

We wish him success in all his future endeavours.

Yours Sincerely,

for Volvo CE India Private Limited

VOLVO CE INDIA PVT. LTD. VOLVO PEENYA, BENGALURU

Shivanand Atiwale

Head of Industrial Relations

A STUDY ON ATTRITION AT MAINI PRECISION PRODUCTS LTD.

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By SNEHA.C

P03KU22M015022

Under the guidance of

Dr. ROOPA SHETTIGAR

HOD & Associate Professor
Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post , Bangalore -73

Bangalore University

2022–2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **" A Study on Attrition At Maini Precision Products"** is an original work of **Ms. Sneha C**, bearing Register Number **P03KU22M015022** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560 073.
M : +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "***A Study on Attrition at Maini Precision Products***" is the result of the project work carried out by me under the guidance of **Dr. Roopa Shettigar, HOD & Associate Professor, Department of MBA** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place:

Name: Sneha.C

Date:

Register Number: P03KU22M015022

50 YEARS Roots to Wings
Soaring into the future, with pride in our heritage

MAINI

REF: MPP/INTERNSHIP/FEB/2024 **02nd February 2024**

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Miss. SNEHA C**, with **Reg no** – P03KU22M015022, student pursuing **MBA 3rd** Sem at **Soundarya Institute of Management and Science,** Sidedahalli, Soundarya Nagar, Siddeshwar Layout, Bengaluru -560073, has completed her Internship Training at **M/s. Maini Precision Products Ltd.** Peenya, Bangalore 560058.

Duration : With effect from **27th December 2023** to **27th January 2024.**

During her Internship Training period, she worked as a part of our team, also she worked on a project report titled "A STUDY ON ATTRITION AT MAINI PRECISION PRODUCTS LTD." we found her conduct was good, she was sincere, hardworking and result oriented, we wish success in all her future endeavors.

For Maini Precision Products Ltd

Nandeesha S
Manager - HR & IR

MAINI PRECISION PRODUCTS LTD BANGALORE

A Study on analyzing risk management practices with reference to pension fund at Varun beverages Limited

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Kavyashree NN

P03KU22M015023

Under the guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

Soundarya Institute of Management and Science

Bangalore University

2023-2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON ANALYZING RISK MANAGEMENT PRACTICES WITH REFERENCE TO PENSION FUND AT VARUN BEVERAGES LTD " is an original work of **Ms. KAVYASHREE NN.,** bearing Register Number **P03KU22M015023** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
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M : +91 90359 97[illegible] / 91488 73[illegible]
roopashettigar@soundaryainstitutions.in

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that "*A Study on Analysing risk management practices with reference to Pension at Varun Beverages Limited*" is the result of the project work carried out by me under the guidance of *Dr. Roopa Shettigar* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Kavyashree

Place: Bengaluru

Name: Kavyashree NN

Date:

Register Number: P03KU22M015023

VARUN BEVERAGES LIMITED

34th, K.M. STONE, NATIONAL HIGHWAY - 4, VILLAGE TEPPADA BEGUR,
NELAMANGALA, BENGALURU - 562 123 TEL : 99160 12306 / 99160 12308
CIN No : L74899DL 1995PLC069839 Web : www.rjcorp.in E-mail ID : info@rjcorp.in

Ref: VBL/HR/INT-02-2024
Date:-04.02.2024

INTERNSHIP CERTIFICATE

This is to certify that **Ms. Kavyashree N N** (Reg. P03KU22M015023), Student of Soundarya Institute of Management & Science, Bangalore has carried out a internship project "A study on Analyzing risk management practices with special reference to Varun Beverages Ltd". Between 05/01/2024 to 04/02/2024. As a part of her MBA curriculum.

During this period, she showed good initiative in under in understanding various process of and practices on Analyzing risk management practices at Varun beverages Limited. She has been thoroughly professional while carrying out her project.

She holds a very promising career in her profession and we wish her all the best for her future endeavors.

For Varun Beverages Limited

Authorized Signature

VARUN BEVERAGES LIMITED
NELAMANGALA

A STUDY ON EFFECTIVE INVESTMENT STRATEGIES AT VARUN BEVERAGES LIMITED

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Jayanth V

P03KU22M015024

Under the guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

Soundarya Institute of Management and Science

Bangalore University

2023-2024

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A study on investment strategies at Varun Beverages Limited" is an original work of **Mr. Jayanth V**, bearing Register Number **P03KU22M015024** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide
MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560 073.
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roopashettigar@soundaryainstitutions.in

Signature of Principal
PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "*A Study On Effective Investment Strategies At Varun Beverages Limited*" is the result of the project work carried out by me under the guidance of *Dr. Roopa Shettigar* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Jayanth.V

Place: Bangalore **Name** : Jayanth V

Date: **Register Number:** P03KU22M015024

rj corp

VARUN BEVERAGES LIMITED

34th, K.M. STONE, NATIONAL HIGHWAY - 4, VILLAGE TEPPADA BEGUR,
NELAMANGALA, BENGALURU - 562 123 TEL : 99160 12306 / 99160 12308
CIN No : L74899DL 1995PLC069839 Web : www.rjcorp.in E-mail ID : info@rjcorp.in

Ref: VBL/HR/INT-02-2024
Date:-04.02.2024

INTERNSHIP CERTIFICATE

This is to certify that **Mr. Jayanth V** (Reg. P03KU22M015024), Student of Soundarya Institute of Management & Science, Bangalore has carried out a internship project "A study on Investment strategies with special reference to Varun Beverages Ltd". Between 05/01/2024 to 04/02/2024. As a part of his MBA curriculum.

During this period, he showed good initiative in under in understanding various process of and practices on Investment strategies at Varun beverages Limited. He has been thoroughly professional while carrying out his project.

He holds a very promising career in his profession and we wish his all the best for his future endeavors.

For Varun Beverages Limited

Authorized Signature

VARUN BEVERAGES LIMITED NELAMANGALA

"A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO FUND FLOW ANALYSIS AT SUPREME SOLAR"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Naveenkumar B R

Reg. No: P03KU22M015025

Under the Guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO FUND FLOW ANALYSIS AT SUPREME SOLAR" is an original work of Mr. Naveenkumar B R, bearing Register Number P03KU22M015025 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
undarya Institute of Management & Science
ndarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-560 073.
M: +91 909[illegible] 9782[illegible] / 91488 7[illegible]5
roopashettiga[illegible]@soundaryainstitutions.in

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO FUND FLOW ANALYSIS"** is the result of the project work carried out by me under the guidance of Dr Roopa Shettigar in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU **NAME: NAVEENKUMAR B R**

DATE: **Register Number: P03KU22M015025**

Supreme Solar Projects Pvt. Ltd.

Office & Unit-1 : #16/4 & 16/5, Avalahalli, Doddaballapura Main Road, Yelahanka, Bangalore-560064.
Mob : +91-93796 61979 E-mail : info@supremesolar.in Website : www.supremesolar.in

GSTIN : 29AAXCS0239B1Z6 CIN No : U29100KA2016PTC092584

Date:20.02.2024
Place: Bengaluru

CERTIFICATE

We hereby certify that Mr.Naveenkumar B.R (RegNo: P03KU22M015025) Student of MBA 3rd Semester from Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Bengaluru- 560073, has satisfactorily completed his Corporate Internship in **"A Study on Financial Performance With Reference to Fund Flow Analysis at Supreme Solar Projects Pvt Ltd"** with reference to M/s. Supreme Solar Projects Pvt Ltd, Plat No.28C KIADB Indl Area. Bashettahalli Doddaballapura Bangalore Rural 561203, for a period of 30 Days.

The study was found to be regular and punctual during the above period and we wish him success in his entire further endeavor.

Thank You

For Supreme Solar Projects Pvt Ltd

Authorized Signatory

Supreme Solar Projects Pvt Ltd Bangalore -561 203

"A STUDY ON INBOUND AND OUTBOUND PRODUCT MANAGEMENT STRATEGIES AT R Y FOODS"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Rohan. R

Reg. No: P03KU22M015026

Under the Guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON INBOUND AND OUTBOUND PRODUCT MANAGEMENT STRATEGIES AT R Y FOODS" is an original work of Mr. Rohan. R, bearing Register Number P03KU22M015026 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
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Soundarya Institute of Management & Science
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M : +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON INBOUND AND OUTBOUND PRODUCT MANAGEMENT STRATEGIES"** is the result of the project work carried out by me under the guidance of Dr. Roopa Shettigar in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Rohan.R

PLACE: BENGALURU

Name: ROHAN R

DATE:

Register Number: P03KU22M015026

No. 16/15, Kumbarahalli Road, Nr. Sampadha Gas Godown, Kempapura, Hesaraghatta Hobli, Chikkabanavara post, Bengaluru-560090 Karnataka. GSTIN/UIN: 20AAXFR9684G1Z0
Ph: 99024 99066 email: ryfoods2018@gmail.com web: www.mayuriproducts.com

07th Feb, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ROHAN R** of Soundarya Institute of Management & Science, Bangalore bearing Reg No. P03KU22M015026, has successfully completed Internship training at our Firm **R Y Foods**, Bangalore.

He worked on the project work titled "**A Study on Inbound and Outbound Product Management Strategies**" during the period 05th January, 2024 to 05th February, 2024.

We have found his service was satisfactory. We at R Y Foods, extend our heartfelt best wishes to him for a prosperous and rewarding future in both his personal and professional pursuits.

Regards,

R Y Foods,

R.Y. FOODS BANGALORE

(Authorized Signature)

"A STUDY ON CORPORATE SOCIAL RESPONSIBILITY IN FINANCIAL PERFORMANCE OF SUPRAJIT GROUP"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

MAHESHKUMAR G

P03KU22M015027

Under the Guidance of

Dr. ROOPA SHETTIGAR

HOD &Associate Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A STUDY ON CORPORATE SOCIAL RESPONSIBILITY IN FINANCIAL PERFORMANCE OF SUPRAJIT GROUP" is an original work of Mr. MaheshKumar G, bearing Register Number - P03KU22M015027 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560 073.
M : +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare ***"A study on corporate social responsibility in financial performance of Suprajit Group"*** is the result of the project work carried out by me under the guidance of Dr. Roopa Shettigar in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURU
Date:

Name: MAHESHKUMAR G
Register Number: P03KU22M015027

Suprajit Automotive Private Limited
#25, 26, 27A (Part), KIADB Industrial Area,
Doddaballapura, Bengaluru Rural - 561 203 Tel : +91-80-2763 0553
E-mail : info@suprajit.com Web : www.suprajit.com
Corporate Identity Number (CIN) : U29299KA2004PTC035283

Date: 13/03/2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the project work titled "A study on corporate social responsibility in financial performance of Suprajit Group" has been successfully completed by Mr.MaheshKumar G(Reg.No. P03KU22M015027) student of MBA at Soundarya Institute of Management and Science during the period from 02-01-2024 to 03-02-2024 and the report is submitted.

During this period, he was exposed to all aspects of our organization in Accounts & Finance Department.

We have noticed that, during this period, he has shown keen interest in his assignments.

We wish him all success in his future endeavors.

For Suprajit Automotive Pvt Limited

Arun A
Sr.Manager -HR

"A STUDY ON CONSUMER DECISION MAKING WITH REFERENCE TO BEHAVIOURISTIC APPROACH AT VEERU'S THE VILLAGE RESTAURANT"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

VINAY PRASAD S

P03KU22M015028

Under the guidance of

DR. ROOPA SHETTIGAR

Professor

Department Of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT

Soundarya Nagar, Sidedahalli, Nagasandra P

2022-2024

AVIGNA LOKESH HOTELS PRIVATE LIMITED

NO. 11 / 1A, 1D, Makali NH-4 Tumkur Road Next to Himalaya Drug Co Dansanapura (H), Bangalore – 562 162
CIN: U55101KA2015PTC084667
E-Mail: avignalokeshhotels@gmail.com/Ph.: 9880299696

Date:5th February 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the project work titled "A Study on consumer decision making with reference to behaviouristic approach at Veeru's the village restaurant" has been successfully completed by **Mr. VINAY PRASAD. S (Reg. No. P03KU22M015028)**a bonafide student of MBA at Soundarya Institute of Management and Science during the period from 28-01-2024 to 03-02-2024 and the report is submitted.

He has exhibited punctuality and diligence during tis period. We wish him success in the future endeavors.

Thanking you,

for **AVIGNA LOKESH HOTELS PRIVATE LIMITED.**

For Avigna Lokesh Hotels Pvt Ltd

Director

(AUTHORISED SIGNATORY)

DECLARATION BY THE STUDENT

I hereby declare that *"A Study on Consumer Decision Making with reference to Behavioral Approach at Veeru's the Village Restaurant"* is the result of the project work carried out by me under the guidance of in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Vinay · S

Name : Vinay Prasad S

Place:

Date:

Register Number: P03KU22M015028

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study on Consumer Decision Making With Reference To Behaviouristic Approach At Veeru's The Village Restaurant" is an original work of Mr. Vinay Prasad S bearing Register Number P03KU22M015028 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-560 073.
M : +91 90359 97[illegible] / 91488 72[illegible]
roopashettigar@soundaryainstitutions.in

Signature of P

PRINCIPAL
Soundarya Institute of Ma[illegible]
Soundarya Naga[illegible]
Nagasandra Pos[illegible]

A STUDY ON INVENTORY MANAGEMENT WITH REFERENCE OF FIFO METHOD AT SVG BIOTECH COMPANY

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Arpitha v

P03KU22M015029

Under the guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

Soundarya Institute of Management and Science

Bangalore University

2023-2024

SVG BIOTECH

49/A, Peenya 2nd Phase, Chokkasandra, Peenya Industrial Area, Bangalore - 560058

GSTIN: 29AEPFS7439N1ZV

Date: 13th Feb 2024.

INTERSHIP CERTIFICATE

This is to certify that **Ms. Arpitha .V** (Reg No. P03KU22M015029), student of Soundarya Institute of Management and Science, Bangalore, has successfully completed 13th **February 2024** of an internship project A study on inventory management with reference of FIFO method at SVG BIOTECH from **30th December 2023 to 13th February 2024** in the **Accounts and Finance** department of our organization.

She was highly motivated and hardworking. She worked sincerely at his tasks and did a very good job.

We wish her great success in his/her future endeavours.

For SVG BIOTECH

SVG BIOTECH
49/A, Peenya 2nd Phase
Chokkasandra,
Peenya Industrial Area
Bangalore-560 058

Authorised Signature

DECLARATION BY THE STUDENT

I hereby declare that "A Study On inventory management with reference of FIFO method at SVG biotech company" is the result of the project work carried out by me under the guidance of Dr. Roopa Shettigar in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Arpitha.V

Name: Arpitha v

Place: Bangalore

Register Number: P03KU22M015029

Date:

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A study on inventory management with Referece of FIFO method at SVG BIOTECH company" is an original work of Ms. Arpitha V, bearing Register Number P03KU22M015029 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

A STUDY ON EMPLOYEE ANNUAL REVIWES WITH REFERENCE TO MANAGEMENT BY OBJECTIVES AT SVG BIOTECH COMPANY

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Shwetha M

P03KU22M015030

Under the guidance of

Dr. Roopa Setiger

HOD & Associate Professor

Soundarya Institute of Management and Science

Bangalore University

2023-2024

SVG BIOTECH

49/A, Peenya 2nd Phase, Chokkasandra, Peenya Industrial Area, Bangalore - 560058.

GSTIN: 29AEPFS7439N1ZV

Date: 13th Feb 2024.

INTERSHIP CERTIFICATE

This is to certify that **Ms. SHWETHA.M** (Reg No. P03KU22M015030), student of Soundarya Institute of Management and Science, Bangalore, has successfully completed 13th **February 2024** of an internship project A study on employee annual review with reference to management by objective at SVG BIOTECH from **30th December 2023 to 13th February 2024** in the **Human resources (HR)** department of our organization.

She was highly motivated and hardworking. She worked sincerely at his tasks and did a very good job.

We wish her great success in his/her future endeavours.

For SVG BIOTECH.

SVG BIOTECH
49/A, Peenya 2nd Phase,
Chokkasandra,
Peenya Industrial Area,
Bangalore-560 053.

Authorised Signature.

DECLARATION BY THE STUDENT

I hereby declare that "A Study On employee annual reviews with references to management by objectives at SVG biotech company" is the result of the project work carried out by me under the guidance of Dr. Roopa Setiger in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Date:

Name: shwetha M

Register Number: P03KU22M015030

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study On employee annual reviews with references to management by objectives at SVG BIOTECH company" is an original work of Ms. Shwetha M, bearing Register Number P03KU22M015030 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university. Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

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MBA DEPARTMENT
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Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560 073.
M: +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

"Enhancing Financial Management: An In-depth Analysis of the Budgetary Control System at Hari Bhargo Engineering Stamping and Tooling"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Shilpa. G

Reg. No: P03KU22M015031

Under the Guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

SOUNDARYA
INSTITUTE OF
MANAGEMENT &
SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENTAND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2023–2024

HariBhargo Engineering Stamping & Tooling's

#110/2, 7th Main, 3rd Phase, Peenya Industrial Area, Bangalore-560058

Ph: +91-9945615015, +91-9844778324, Email-bhargoengineering@gmail.com, GST 29AAGFH4704G1ZG

Date: 06-02-2024

INTERSHIP CERTIFICATE

This is to certify that Ms. Shilpa G (Reg No.P03KU22M015031), student of Soundarya Institute of Management and Science, Bangalore has carried out a internship project "A Study on Budgetary control system with special reference to the Hari Bhargo Engineering Stamping & Tooling's was trainee with us **Internship-Finance** from 3rd January 2024 to 06th February 2024, as part of academic study.

She has done an exemplary training while training & has always maintained professional relations with the team and colleagues.

During her internship she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations. And she was able to complete project on time.

We wish her all best for her upcoming career and future opportunities.

Your's sincerely

Hari Bhargo Engineering
Stamping & Toolings
112, 7th Main, 3rd Phase, Peenya
BANGALORE - 560 058

Authorized Signatory

DECLARATION BY THE STUDENT

I hereby declare **"Enhancing Financial Management: An In-depth Analysis of the Budgetary Control System at Hari Bhargo Engineering Stamping and Tooling"is** the result of the project work carried out by me under the guidance of Dr. Roopa Shettigar in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: SHILPA G

Register Number: P03KU22M015031

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" **"Enhancing Financial Management: An In-depth Analysis of the Budgetary Control System at Hari Bhargo Engineering Stamping and Tooling"**is an original work of **Ms. Shilpa. G,** bearing **Register Number P03KU22M015031** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
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M : +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

A STUDY ON MARKET RISK ANALYSIS WITH REFERENCE TO SUPPORTING WOMEN ENTREPRENEURS OF "ASIRVAD MICRO FINANCE LIMITED"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Pallavi. V

Reg. No: P03KU22M015032

Under the Guidance of

Dr. Roopa Shettigar

HOD & Associate Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENTAND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2023–2024

ASIRVAD MICROFINANCE LIMITED

Subsidiary of MANAPPURAM FINANCE LTD.

Small loans... Big dreams...

#22, first floor, 3rd A Cross, Dasarahalli Main Rd Bengaluru, Karnataka-560024

web: www.asirvadmicrofinance.co.in GST 29AAGCA5275J1ZA. Ph:+91 8512919217,1800-270-1146.

Date: 15/02/2024

Project certificate

This is to certify that Ms, Pallavi v (Reg.P03KU22M015032) student of Soundarya Institute of Management and Science, Bangalore has carried out a internship project A study on Market risk analysis with reference to supporting women entrepreneurs of "ASIRVAD MICROFINANCE LIMITED". Between 16/01/2024 to 15/02/2024. As a part of her MBA curriculum.

During this period, she showed good initiative in under in understanding various process of practice on Market risk analysis which practicing at Asirvad microfinance limited. She has been thoroughly professional while carrying out her project.

We wish her all the best for her upcoming career and future opportunities

Your's sincerely

Asirvad Micro Finance Ltd.

Authorized Signature

DECLARATION BY THE STUDENT

I hereby declare **A STUDY ON MARKET RISK ANALYSIS WITH REFERENCE TO SUPPORTING WOMEN ENTREPRENEURS OF "ASIRVAD MICRO FINANCE LIMITED"** is the result of the project work carried out by me under the guidance of Dr. Roopa [illegible] in partial fulfilment for the award of Master's Degree in Business Administration by [illegible] University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or [illegible].

PLACE: BENGALURU

DATE:

Name: Pallavi v

Register Number: P03KU22M015032

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" **A STUDY ON MARKET RISK ANALYSIS WITH REFERENCE TO SUPPORTING WOMEN ENTREPRENEURS OF "ASIRVAD MICRO FINANCE LIMITED"** is an original work of **Ms. Pallavi V,** bearing **Register NumberP03KU22M015032** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560 073.
M : +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

"A STUDY ON PROFESSIONAL DEVELOPMENT PROGRAMS ON EMPLOYEE PERFORMANCE AT VISHAL INFRASTRUCTURE LTD"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Shobitha J

Reg. No: P03KU22M015033

Under the Guidance of

Dr. ROOPA SHETTIGAR

Associate Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A STUDY ON PROFESSIONAL DEVELOPMENT PROGRAMS ON EMPLOYEE PERFORMANCE AT VISHAL INFRASTRUCTURE LTD" is an original work of Ms. Shobitha. J, bearing Register Number P03KU22M015033 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560 073.
M : +91 90359 97832 / 91488 73505
roopashettigar@soundaryainstitutions.in

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "***A study on professional development programs on employee performance at Vishal Infrastructure Ltd***" is the result of the project work carried out by me under the guidance of Dr. Roopa Shettigar in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Shobitha J

Name: SHOBITHA J

Register Number: P03KU22M015033

Place: BENGALURU

Date:

VISHAL INFRASTRUCTURE LTD.

Head Office : # 52, R.V. Road, Basavanagudi, Bengaluru - 560 004. INDIA
Tel : +91 80 2625 4000, Fax : +91 80 2625 4025 E-mail : vishal1@vishalinfra.com

Ref:VIL/BLR/HR/0873/2023-24

Date : 29th January 2024.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. SHOBITHA. J** (Reg. No. P03KU22M015033) has undergone internship training at **VISHAL IINFRASTRUCTURE LTD**. Head Office - Bangalore, she is pursuing her MBA at Soundarya Institute of Management and Science.

She worked on the project work titled - "A Study on Professional Development Programs on Employee Performance" from 27-12-2023 to 27-01-2024.

We have found her service was satisfactory. We wish her success in the future endeavors.

Thanking you,

***for* Vishal Infrastructure Ltd.,**

VISHAL INFRASTRUCTURE LTD.

(AUTHORISED SIGNATORY)

"A STUDY ON FINANCIAL PERFORMANCE ANALYSIS WITH SPECIAL REFERENCE TO PROFITABILITY ANALYSIS AT KEERTHI & CO"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

AISHWARYA K

Reg. No: P03KU22M015034

Under the Guidance of

Dr. ROOPA SHETTIGAR

HOD & Associate Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

KEERTHI & CO.
CHARTERED ACCOUNTANTS
080-46429121 www.keerthiandco.in

Date: 31-01-2024

CERTIFICATE

This is to certify that **Mrs Aishwarya K. Reg.No P03KU22M15034**

Master of Business Administration, In Soundarya Institute of Management and Science as completed project on

A STUDY OF FINANCIAL PERFORMANCE ANALYSIS WITH SPECIAL REFERENCE TO PROFITABILTY ANALYSIS AT KEERTHI AND CO in our organization Keerthi and Co from 10th January 2024 to 31st January 2024 as a Partial Fulfillment for the award of MBA Degree

During his stay in our organization his zeal and enthusiasm was appreciable.

For KEERTHI AND CO.
Chartered Accountant
Firm Reg No. 018022S
KEERTHI
Proprietor
Mem No. 243258

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON** FINANCIAL **ANALYSIS WITH SPECAIL REFERENCE TO PROFITABILITY ANALYSIS**" is an original work of **Ms. AISHWARYA K** bearing Register Number **P03KU22M015034** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-560 073.
M : +91 90359 97[illegible]
roopashettigar@soundaryainstitutions.in

Signature of Principal

CERTIFICATE OF ORIGINALITY

(To be given by the Institution on its letterhead)

Date:

This is to certify that the Internship Project titled" A STUDY OF FINANCIAL ANALYSIS WITH SPECAIL REFERENCE TO PROFITABILITY ANALYSIS "is an original work of Mr./Ms. AISHWARYA K; bearing University Register Number P03KU22M015034 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF DIRECTOR/PRINCIPAL/HOD

DATE:

DATE:

DECLARATION BY THE STUDENT

I hereby declare that "*A STUDY ON FINANCIAL ANALYSIS WITH SPECIAL REFERENCE TO PROFITABILITY ANALYSIS*" is the result of the project work carried out by me under the guidance of *Name of the Guide* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Aishwarya.K

Place: BANGLORE **Name: AISHWARYA K**

Date: **Register Number: P03KU22M015034**

"A STUDY ON CONSUMER BEHAVIOUR TOWARDS LULU FASHION STORE WITH REFERENCE TO LULU MALL BANGALORE"

Internship Project submitted in partial fulfillment of the requirements for the award of the Degree

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

DEVIKA RANI.M

P03KU22M015035

Under the guidance of

Dr. ROOPA SHETTIGAR

HOD & Associate Professor

Department Of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Naga Sandra Post, Bangalore-73

2022-2024

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ONCONSUMER BEHAVIOUR TOWARDS LULU FASHION STORE WITH REFERENCE TO LULU MALL RAJAJINAGAR, BANGALORE-560023"** is the result of the project work carried out by me under the guidance of **Dr. ROOPA SHETTIGAR, HOD& Associate Professor Department of MBA** in partial fulfillment for the award of Master's Degree in Business Administration by Bangalore University. I also declare that this project is the outcome of my efforts and that it has not been submitted to any other university or Institute for the award of any other degree Diploma or Certificate.

Place: BANGALORE

Date:

Name: DEVIKARANI.M

Register number: P03KU22M015035

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON CONSUMER BEHAVIOUR TOWARDS LULU FASHION STORE WITH REFERENCE TO LULU MALL RAJAJINAGAR, BANGALORE-560023**" is an original work of Mr./Ms **DEVIKA RANI M**, bearing Register Number **P03KU22M015035** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

MBA HOD / CO-ORDINATOR
MBA DEPARTMENT
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore 560 073.
M : +91 90359 0[illegible] / 91488 73503
roopashettigar@soundaryainstitutions.in

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

LuLu International Shopping Malls Pvt Ltd.
(Formerly Lulu Group India Pvt. Ltd.)
CIN : U52190KL2004PTC017414
Regional Office :
No.19/2, Part of CTS No.2, Mysore Deviation Road,
Gopalapura (Ward No.96), Bengaluru - 560023,
Karnataka, India.
Landline : 080 4550 7700 / 080-66017700
Email ID : regionalofficeblr@lulumdia.com
www.lulumall.in/www.lulugroupinternational.com

Date: 05-02-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify That **Ms. Devika Rani M** (Registration Number **P03KU22M015035**) a student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073 has successfully completed her Internship and project report on the topic entitled "A STUDY ON CONSUMER BEHAVIOUR TOWARDS LULU FASHION STORE WITH REFERENCE TO LULU MALL RAJAJINAGAR, BANGLORE - 560023" from 04 January 2024 to 04 February 2024.

During this period, she has shown keen interest in her work, and her conduct and character were found to be good.

We take this opportunity to wish her all success in her future endeavors.

Siraj A H
Manager – H R

"A STUDY ON 360-DEGREE PERFORMANCE APPRAISAL AT VISHAL INFRASTRUCTURE LTD"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

ANURADHA P.N

Reg. No: P03KU22M015036

Under the Guidance of

DR. PRASHANTH KUMAR C. P

Assistant Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

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DECLARATION BY THE STUDENT

I hereby declare that "***A study on 360-degree performance appraisal at Vishal infrastructure ltd***" is the result of the project work carried out by me under the guidance of in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Anuradha.

Place: Bangalore

Name: Anuradha P. N

Date: 23/4/2024

Register Number: P03KU22M015036

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SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study on 360-Degree Performance Appraisal at Vishal Infrastructure Ltd" is an original work of Ms. Anuradha PN, bearing Register Number P03KU22M015036 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

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VISHAL INFRASTRUCTURE LTD.
Head Office : # 52, R.V. Road, Basavanagudi, Bengaluru - 560 004. INDIA
Tel : +91 80 2625 4000, Fax : +91 80 2625 4025 E-mail : vishal1@vishalinfra.com

Ref::VIL/BLR/HR/0872/2023-24

Date : 29th January 2024.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. ANURADHA PN** (Reg. No. P03KU22M015036) has undergone internship training at **VISHAL IINFRASTRUCTURE LTD**. Head office - Bangalore, she is pursuing her MBA at Soundarya Institute of Management and Science.

She worked on the project work titled - "A Study on 360 Degree Performance Appraisal" from 27-12-2023 to 27-01-2024.

We have found her service was satisfactory. We wish her success in the future endeavors.

Thanking you,

for **Vishal Infrastructure Ltd.,**

VISHAL INFRASTRUCTURE LTD.

(AUTHORISED SIGNATORY)

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A STUDY ON IMPACT OF CAPITAL STRUCTURE ON DECISION FACTORS - WITH SPECIAL REFERENCE TO I FY MOULD TECH, BANGALORE.

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

Name – PRIYA S

Reg. No - P03KU22M015037

Under the guidance of

Dr Prashanth Kumar C.P.

Assistant Professor, Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

Bangalore University

2022–2024

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DECLARATION BY THE STUDENT

I hereby declare that "**A Study on Impact of Capital Structure on Decision Factors - With Special Reference to I FY Mould Tech, Bangalore**" is the result of the project work carried out by me under the guidance of **Dr Prashanth Kumar C.P.** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore **Name : PRIYA S**

Date: **Register Number: P03KU22M015037**

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project title **"A Study on Impact of Capital Structure on Decision Factors - With Special Reference to I FY Mould Tech, Bangalore"** is an original work of Mr./Ms. PRIYA S bearing University Register Number **P03KU22M015037** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

SIGNATURE OF PRINCIPAL

Scanned with OKEN Scanner

I FY MOULD TECH
Mfg : Plastic Injection Mould, Blow Mould & Thermoset Mould

9980949190
9916410715

Date: 05-02-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify That **MS PRIYA S** (Registration Number **P03KU22M015037**) a student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073 has successfully completed her project on the topic entitled **"A STUDY ON IMPACT OF CAPITAL STRUCTURE ON DECISION FACTORS - WITH SPECIAL REFERENCE TO I FY MOULD TECH, BANGALORE"** from 05 January 2024 to 05 February 2024.

During this period, she has shown keen interest in her work and her conduct and character were found good.

We take this opportunity to wish her all success in her future endeavors.

I FY MOULD TECH
B-47/1, I T I Industrial Estate,
Mahadevapura,
BANGALORE - 560 048.

Senior Manager

B47/1, ITI Industrial Estate, Mahadevapura, Whitefield Road, Bangalore - 560 048. ifymouldtech@gmail.com

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A STUDY ON FINANCIAL PERFORMANCE EVALUATION AT SOUNDARYA SOUHARDA CREDIT CO-OPERATIVE LIMITED

BANGALORE -560073

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

Affiliated to

BANGALORE UNIVERSITY

By

NAME : AMBIKA S

Reg. No. P03KU22M015038

Under the guidance of

Dr Prasanth Kumar C.P.

Assistant professor, Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE.

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore- 560073

Bangalore University

2022–2024

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that **"A study on financial performance evaluation at Soundarya Souharda credit co-operative limited"** is the result of the project work carried out by me under the guidance of **Dr. Prasanth Kumar C.P** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bengaluru

Name: AMBIKA S

Ambika. S

Date:

Register Number: P03KU22M015038

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" **A Study on Financial Performance Evaluation at Soundarya Souharda Credit Cooperative Limited**" is an original work of Mr./Ms **AMBIKA S,** bearing Register Number **P03KU22M015038** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

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Soundarya Souharda Credit Co-Operative Ltd.
Reg. No. JRB/RGN/SK/71/3674/2014-15
We Serve .... We Care ...

Soundarya Arcade,
Hesaraghatta Main Road,
Havanoor Extension,
Nagasandra Post, Bengaluru - 560073.
Phone : 080 28394789
soundaryasouhardha@gmail.com

CERTIFICATE

This is to certify that **Ms. Ambika S** , student of SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE, 3RD semester MBA having Reg No.P03KU22M015038, has completed her project work titled **" A Study On Financial Performance Evaluation at M/s SOUNDARYA SOUHARDA CREDIT CO-OPERATIVE LTD"**, Bengaluru for a period of One month.

Her conduct was found to be **Good** during the course of project work and we wish her successful future.

Place: Bengaluru
Date : 15-02-2024

SOUNDARYA SOUHARDA CREDIT CO-OPERATIVE LTD. Bangalore-53

Branch Manager

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"A STUDY ON VARIOUS PROMOTIONAL STRATEGIES ADOPTED WITH RESPECT TO PANTALOONS"

Internship project submitted in partial fulfilment of the requirements for the

Award of the Degree Of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

HEMANTH K

Reg. No: P03KU22M015039

Under the Guidance of

DR.PRASHANTH KUMAR C. P

Assistant Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

DEPARTMENT OF MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandrapost, Bengaluru- 560073

2022-2024

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON VARIOUS PROMOTIONAL STRATEGIES ADOPTED WITH RESPECT TO PANTALOONS" is the result of Project work carried out by me under the guidance of DR. PRASHANTH KUMAR C. P in partial fulfillment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or institute for the award of any other degree or diploma or Certificate.

PLACE:BANGALORE

Name:HEMANTH K

Hemanth.K

DATE:

REGNO: P03KU22M015039

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON VARIOUS PROMOTIONAL STRATEGIES ADOPTED WITH RESPECT TO PANTALOONS**" is an original work of **Mr. HEMANTH K** bearing Register Number **P03KU22M015039** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

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ADITYA BIRLA

FASHION & RETAIL

Date: -10/02/2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Hemanth K** bearing **USN NO - P03KU22M015039** student of MBA from Soundarya Institute of Management And Science, Nagasandra, Bangalore Affiliated to Bangalore University as successfully completed his Internship in our company under the guidance of Mr. Sanjay on the topic of **"A Study on Various Promotional Strategies Adopted with Respect to Pantaloons"** from 2nd JAN 2024 to 05th Feb 2024.

He Has worked well as part of team during his tenure. We take this opportunity to thank him as wish him all the best in his future

Regards,

ADITYA BIRLA FASHION AND RETAIL LTD
Orion Mall, Brigade gateway,Upper
Ground Floor , Rajajinagar,Bengaluru
Karnataka - 560055.

Mr. Sanjay

Human Resource Manager

pantaloons

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"A STUDY ON DEBT FINANCING & RECOVERY MANAGEMENT SYSTEM - WITH SPECIAL REFERENCE TO BANGALORE CREDIT CO-OPERATIVE SOCIETY LTD BENGALURU"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION
OF
BANGALORE UNIVERSITY

BY

YASHAS.N

Reg. No. P03KU22M015040

Under the guidance of

INTERNAL GUIDE
Dr.PRASANTH KUMAR C P.
Assistant Professor,
Department of MBA
SIMS,
Bengaluru.

EXTERNAL GUIDE
Mr.VENKATESHA MURTHY B S.
Chief Executive Officer,
Bangalore credit
Co-Operative Society Ltd,
Bengaluru.

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
Soundarya Nagar, Sidedahalli, Nagasandra Post,
Bengaluru – 560 073

2023–2024

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON DEBT FINANCING & RECOVERY MANAGEMENT SYSTEM – WITH SPECIAL REFERENCE TO BANGALORE CREDIT CO-OPERATIVE SOCIETY LTD BENGALURU"** is the result of the project work carried out by me under the guidance of **Rd. PRASANTH KUMAR .C .P** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bengaluru
Date: 19/02/2024

Name: Yashas N
Register Number: P03KU22M015040

Yashas.N

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Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON DEBT FINANCING & RECOVERY MANAGEMENT SYSTEM - WITH SPECIAL REFERENCE TO BANGALORE CREDIT CO-OPERATIVE SOCIETY LTD BENGALURU"** is an original work of **Mr. YASHAS N** bearing Register Number **P03KU22M015040** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

oundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560 073. Ph : 080-29510260 / 29510261 / 8722760601
Web : www.soundaryainstitutions.in/sims E-mail : degree@soundaryainstitutions.in

Scanned with OKEN Scanner

ಬೆಂಗಳೂರು ಕ್ರೆಡಿಟ್ ಕೋ-ಆಪರೇಟಿವ್ ಸೊಸೈಟಿ (ಲಿ.)
(ನೋಂದಣಿ ಸಂಖ್ಯೆ : ಎಆರ್‌ಬಿ1/ಬಿ/ಆರ್‌ಇಜಿಎನ್/9561/84-85 ದಿನಾಂಕ 03-04-1984)
ನಂ. 723/1, (ಹೊಸ ನಂ. 37/1), 10ನೇ ಮುಖ್ಯರಸ್ತೆ, 36ನೇ ಅಡ್ಡರಸ್ತೆ, ಜಯನಗರ 4ನೇ ಬಡಾವಣೆ,
ಬೆಂಗಳೂರು - 560 011. ದೂರವಾಣಿ : 080 - 26646906, 080 - 26632242
+91-9449791016 +91-9483532242 e-mail : bccsjayanagar@gmail.com

Ref: BCCS/0764/2023-2024 **Date: 28/01/2024**

CERTIFICATE

This is to certify that **Mr YASHAS N,** bearing Registration Number **P03KU22M015040,** student of Master of Business Administration studying at Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073, has successfully completed the project work on topic entitled **"STUDY ON DEBT FINANCING AND RECOVERY MANAGEMENT SYSTEM –WITH SPECIAL REFERENCE TO BANGALORE CREDIT CO-OPERATIVE SOCIETY LTD., BENGALURU"** from 04th January to 28th January 2024.

During this period he has shown keen interest in his work and his conduct and character were found good.

We take this opportunity to wish him all success in his future endeavors.

For Bangalore Credit Co-op Society Ltd.

Chief Executive Officer

BANGALORE CREDIT CO-OP SOCIETY LTD
723/1, (New # 37/1), 36th Cross,
10th Main, 4th Block, Jayanagar,
BANGALORE - 560 011.

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"A STUDY ON IMPACT OF CASH MANAGEMENT ON PROFITABILITY OF SMALL SCALE BUSINESS"

Internship Project submitted in partial fulfilment of the management for the Award of the

degree of

MASTER OF BUSINESS ADMINISTRATION

Of

BENGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

BY

YASHWANTH HS

Reg. No: P03KU22M015041

Under the Guidance of

Dr. PRASHANTH KUMAR C.P.

Assistant Professor, Department of MBA, SIMS.

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangaluru-560073

2022-2024

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DECLARATION BY THE STUDENT

I hereby declare that "**A STUDY ON IMPACT OF CASH MANAGEMENT ON PROFITABILITY OF SMALL SCALE BUSINESS**" is the result of the project work carried out by me under the guidance of Dr. PRASHANTH KUMAR C.P.in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bengaluru

Date: 13-05-2024

YASHWANTH H.S

NAME: YASHWANTH H S

Register Number: P03KU22M015041

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CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON IMPACT OF CASH MANAGEMENT ON PROFITABILITY OF SMALL SCALE BUSINESS"** is an original work of Mr **YASHWANTH H S** bearing Register Number **P03KU22M015041** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

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Phone : 97435 83999

Shree Ganesh Maruthi Fabricators

Plot No. 460/A/3, Near NTTF Circle, Beside Indian Oil Petrol Pump, 4th Phase, Peenya Industrial Area,
Bangalore-560 058. E-mail : sgmf@ymail.com

ENGINEERING FABRICATORS

DATE 20-01-2024

To WHOM SO EVER IT MAY CONCERN

This is to certify that Mr.YASHWANTH HS bearing USN. NO. P03KU22M015041 student of MBA form Soundarya institute of management and science, nagasandra, Bengaluru Affiliated to Bengaluru university has successfully his internship in our plant on the topic a study on impact of cash management on profitability of small scale business at M/S Shree Ganesh Maruthi Fabricators Bengaluru, from 05-01-2024 to 19-02-2024.

During this period. the student behaviour and conduct was found to be good.

We wish all the best for the future.

M/S Shree Ganesh Maruthi Fabricators.

SHREE GANESH MARUTHI FABRICATORS BANGALORE 560 058

Authorised signatory

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A STUDY ON EMPLOYEE WELFARE MEASURES AT HINDUSTAN AERONAUTICS LIMITED - BANGALORE

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

VIGNESH G

P03KU22M015042

Under the Guidance of

Dr. PRASANTH KUMAR C.P.

ASSISTANT PROFESSOR

DEPARTMENT OF MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore – 560073

2023-24

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON EMPLOYEE WELFARE MEASURES" at HINDUSTAN AERONAUTICS LIMITED - BANGALORE** is the result of the project work carried out by me under the guidance of **Dr. PRASANTH KUMAR C.P.** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Date:

Name: Vignesh G

Register Number: P03KU22M015042

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON EMPLOYEE WELFARE MEASURES AT HINDUSTAN AERONAUTICS LIMITED - BANGALORE"** is an original work of **Mr. VIGNESH G**, bearing Register Number **P03KU22M015042** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal
PRINCIPAL
Soundarya Institute of Management & Scien...
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

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ೀತಿತ ಮತ್ತು ಸಮರ ಕಾರ್ಯವ್ಯವಸ್ಥೆ ಸಂಶೋಧನೆ ಮತ್ತು ವಿನ್ಯಾಸ ಕೇಂದ್ರ
ान एवं युद्धक प्रणाली अनुसंधान एवं अभिकल्प केंद्र
ISION & COMBAT SYSTEM RESEARCH & DESIGN CENTRE
ಸಂಕೀರ್ಣ / अभिकल्प कॉम्प्लेक्स / DESIGN COMPLEX
ದೂಸ್ತಾನ್ ಏರೋನಾಟಿಕ್ಸ್ ಲಿಮಿಟೆಡ್
दुस्तान एरोनॉटिक्स लिमिटेड
IDUSTAN AERONAUTICS LIMITED

मारत्त हळ्ळि मोस्ट, बेंगळूरु-560 037, भारत
मारतहल्ली पोस्ट, बेंगलूरु - 560 037, भारत
Marathahalli Post, Bengaluru - 560 037, India
ದೂ / दूरभाष / Ph.: 91 - 80 - 2232 1490, 2232 2169
ಫ್ಯಾಕ್ಸ್ / फैक्स / Fax: 91 - 80 - 2231 3185

No. D/MCSRDC/HR/Project/110/2024

Date: 31.01.2024

CERTIFICATE

This is to certify that the following student of **MBA, III SEMESTER,** from **M/s. SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE, BENGALURU** has completed his **"PROJECT"** on **"EMPLOYEE WELFARE MEARSURES"** at MCSRDC, Design Complex, HAL, Bengaluru from **02.01.2024** to **31.01.2024** on "no-pay-no-fee-basis".

Mr. VIGNESH G (Reg. No. : P03KU22M015042)

The behavior and conduct and of the student were **VERY GOOD** during the training. The overall progress and punctuality during the training was **GOOD.**

31/1/2024

(K S YOGANTH MURTHY)
CHIEF MANAGER (HR)
ಕೆ ಎಸ್ ಯೋಗಾಂತ ಮೂರ್ತಿ / के एस योगांत मूर्ति /
K.S. YOGANTH MURTHY
ಮುಖ್ಯ ವ್ಯವಸ್ಥಾಪಕರು (ಮಾನವ ಸಂಪನ್ಮೂಲ)
CHIEF MANAGER (HR)
ಎಚ್ ಎಎಲ್, ಬೆಂಗಳೂರು / एचएएल, बेंगलूरु / HAL, BANGALORE-

HAL MCSRDC HR DEPARTMENT

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"AN EMPIRICIAL STUDY ON SUPPLY CHAIN MANAGEMENT AT EICHER MOTOR SERVICE"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Dhanush K

Reg. No: P03KU22M015043

Under the Guidance of

Dr. Prashanth Kumar C P

Assistant Professor, Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

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ACKNOWLEDGEMENT

I sincerely express my profound gratitude to Dr. Vasu B A, Principal & Director, Department of MBA, Soundarya Institute of Management And Science for extending greater support and assistance to complete internship project as my instructor for timely guidance and encouragement for accomplishing qualitative internship project. I also convey my sincere gratitude to DR. Roopa Shettigar, HOD & Associate Professor Department of MBA, Soundarya Institute of Management And Science for extending greater support and assistance to complete internship project. I extend my heartfelt gratitude to Dr. Prashanth Kumar C P Assistant Professor Department of MBA, Soundarya Institute of Management and Science for being an internal support for the project.

Finally, I convey my sincere regards and thankfulness to all those, who supported my internship journey.

DATE:
PLACE: BENGALURU

NAME: DHANUSH K
REG NO: P03KU22M015043

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DECLARATION BY THE STUDENT

I hereby declare that "AN EMPIRICIAL STUDY ON SUPPLY CHAIN MANAGEMENT AT EICHER MOTOR SERVICE" is the result of the project work carried out by me under the guidance of Dr. Prashanth Kumar C P in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: DHANUSH K

Register Number: P03KU22M015043

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "AN EMPIRICAL STUDY ON SUPPLY CHAIN MANAGEMENT AT EICHER MOTOR SERVICE" is an original work of Mr DHANUSH K, bearing Register Number P03KU22M015043 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

Phone : 7022284009, 080-28394009

SHRI SARASWATHI CREDIT SOUHARDA SAHAKARI LTD.

R.S.R. 128. S.A. 009 - 2001-02

23, 1st Floor, V.G. Complex, Opp. Varun Maruthi Motors

Hesaraghatta Main Road, Nagasandra Post, T. Dasarahalli, Bangalore - 560 073

E-mail : dasaralli@saraswathisahakari.com

website : www.saraswathisahakari.com

SSCSSSL/DSR-BLR/84/2023-24

Date: 31-01-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify That **Mr. Haricharan R (Registration Number P03KU22M015044)** a student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073 has successfully completed his project on the topic entitled **"A STUDY ON INVESTMENT AVENUES"** from 01st January 2024 to 31 January 2024.

During this period, he has shown keen interest in his work and his conduct and character were found good.

We take this opportunity to wish him all success in his future endeavors.

For SHRI SARASWATHI CREDIT SOUHARDA SAHAKARI SANGHA LTD.,

Branch Manager

Scanned with OKEN Scanner

"A STUDY ON FINANCIAL STATEMENT ANALYSIS AT KSDL"

Internship Project submitted in partial fulfilment of the requirements for the

award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Hemanth Gowda M K

Reg. No: P03KU22M015045

Under the Guidance of

DR. Prashanth Kumar C P

Assistant Professor

DEPARTMENT OF MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru – 560073

2022–2024

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DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON FINANCIAL STATEMENT ANALYSIS"** is the result of the project work carried out by me under the guidance of Dr. Prashanth Kumar C P in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: HEMANTH GOWDA M K

Register Number: P03KU22M015045

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Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON FINANCIAL STATEMENT ANALYSIS AT KSDL"** is an original work of **Mr. HEMANTH GOWDA M K** bearing Register Number **P03KU22M015045** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Signature of Guide

Signature of Principal

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KARNATAKA SOAPS & DETERGENTS LIMITED.

BANGALORE-55

(A Government of Karnataka Undertaking)

No: 27, Industrial Suburb, P.B No: 5531

Bengaluru-Pune Highway, Rajajinagar, Bengaluru-560055, KARNATAKA

CERTIFICATE

NO: KSDL/HRD/TRAINING/23-24/18

Date: 29.02.2024

This is to certify that **Mr. Hemanth Gowda M.K, Reg.No.P03KU22M015045,** Student of Soundarya Institute of Management and Science, Soundarya Nagar, Sidedahalli, Bangalore-560073, has completed his Internship work on **"A Study on Financial Statement Analysis"** at Karnataka Soaps & Detergents Limited Bengaluru-560055 period **from 11.01.2024 to 11.02.2024.**

During Internship work on his academic ability and character was good.

MANAGER

Human Resource Development

K.C. SUNDARAMUTHY
Manager (HRD)
KARNATAKA SOAPS AND DETERGENTS LTD.
BANGALORE-560055

Place: Bengaluru

KARNATAKA SOAPS & DETERGENTS LTD. BANGALORE-55

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"A STUDY ON IMPACT OF WORKING CAPITAL MANAGEMENT AT ASTER HEALTH ACADEMY"

Internship Project submitted in partial fulfillment of the requirements for the award of the Degree of

MASTEROFBUSINESSADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

GEETHASHREEH

Reg. No: P03KU22M015046

Dr.PRASHANTH KUMAR C.P.

Assistant professor

DEPARMENT OF MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru- 560073

2022–2024

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DECLARATIONBYTHE STUDENT

I GEETHA SHREE H hereby declare that the project work entitled.“ **A STUDY ON IMPACT OF WORKING CAPITAL MANAGEMENT AT ASTER HEALTH ACADEMY”** is a record of independent and Bonafede project work carried out by me under the supervision and guidance of **Dr. PRASHANTH KUMAR C.P.** Assistant prof Department of MBA, **Soundarya institute of management and science.**

The information and data given in the report is authentic to the best of my knowledge.

Place: Bangalore

Date:

GEETHASHREE H

REGNO: P03KU22M0150546

Scanned with OKEN Scanner

CERTIFICATEOFORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON IMPACT OF WORKING CAPITAL MANAGEMENT AT ASTER HEALTH ACADEMY**" is an original work of Ms. GEETHA SHREE H, bearing Register Number P03KU22M015046 and is being submitted in partial fulfillment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfillment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

Scanned with OKEN Scanner

"A STUDY ON EXPORT PROCEDURE IN U R AGROFRESH PRIVATE LIMITED"

Internship Project submitted in partial fulfilment of the management for the Award of the

degree of

MASTER OF BUSINESS ADMINISTRATION

Of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

BY

YASHWANTH K

Reg. No: P03KU22M015047

Under the Guidance of

Dr. PRASHANTH KUMAR C.P.

Assistant Professor, Department of MBA SIMS.

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangaluru-560073

2022-2024

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DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON EXPORT PROCEDURE IN UR AGROFRESH PRIVATE LIMITED" is the result of the project work carried out by me under the guidance of Dr. PRASHANTH KUMAR C.P.in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURUNAME: **NAME: YASHWANTH K**

Date: **Register Number: P03KU22M015047**

Scanned with OKEN Scanner

ACKNOWLEDGEMENT

I sincerely express my profound gratitude to DR. Vasu B A, Principal & Director, Department of MBA, Soundarya Institute of Management and Science for extending greater support and assistance to complete internship project as my instructor for timely guidance and encouragement for accomplishing qualitative internship project. I also convey my sincere gratitude to DR. Roopa Shettigar, HOD & Associate Professor Department of MBA, Soundarya Institute of Management and Science for extending greater support and assistance to complete internship project. I extend my heartfelt gratitude to Dr. Prashanth Kumar C.P, Assistant Professor Department of MBA, Soundarya Institute of Management and Science for being an internal support for the project.

Finally, I convey my sincere regards and thankfulness to all those, who supported my internship journey.

Place: BENGALURU **NAME: YASHWANTH K**

Date: **Register Number: P03KU22M015047**

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Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON EXPORT PROCEDURE IN U R AGROFRESH PRIVATE LIMITED"** is an original work of Mr **YASHWANTH K** bearing Register Number **P03KU22M015047** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Scien...
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

"A STUDY ON INVENTORY MANAGEMENT SYSTEM AT GROUP PHARMACEUTICALS LTD, MALUR"

Internship project submitted in partial fulfilment of the requirements for the

Award of the Degree Of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

TM KIRAN

Reg. No: P03KU22M015048

Under the guidance of

DR. PRASHANTH KUMAR C.P

Assistant Professor

DEPARTMENT OF MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra post, Bengaluru-560073

2022-2024

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that the Internship Project titled "**A STUDY ON INVENTORY MANAGEMENT SYSTEM AT GROUP PHARMACEUTICALS LTD**" is the result of the project work carried out by me under the guidance of DR PRASHANTH KUMAR C.P in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or institute for the award of any other degree or diploma or certificate.

PLACE: BANGALORE

Name: TM KIRAN

DATE:

REG NO: P03KU22M015048

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ACKNOWLEDGEMENT

I sincerely express my profound gratitude to Dr Vasu. B. A, Principal at Soundarya institute of management and science affiliated to Bangalore university. Dr Roopa Shettigar, HOD & Associate Professor at Soundarya institute of management and science affiliated to Bangalore university for extending greater support and assistance to complete internship project.

I convey my sincere gratitude to Mrs. Dr Prashanth Kumar C.P Assistant Professor Department of MBA at Soundarya institute of management and science affiliated to Bangalore University as my instructor for his timely guidance and continued inspiration and encouragement for accomplishing qualitative internship project.

And I also extend my whole hearted thanks to Mr. Vijay HR Manager at group pharmaceuticals ltd for providing comprehensive learning atmosphere and industry work setting exposure and directing me to successful completion of this project report.

Finally, I convey my sincere regards and thankfulness to all those, who supported my internship journey

DATE:

NAME:TM KIRAN

PLACE: BANGALORE

Reg No: P03KU22M015048

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON INVENTORY MANAGEMENT SYSTEM AT GROUP PHARMACEUTICALS LTD, MALUR"** is an original work of **Mr. T M Kiran** bearing Register Number **P03KU22M015048** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal
PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

"STUDY ON INVESTMENT PATTERN OF EMPLOYEES ON STOCK MARKET WITH REFERENCE TO POWERICA LTD COMPANY"

Internship project submitted in partial fulfilment of the requirements for the

Award of the Degree Of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

JANARDHAN K

Reg. No: P03KU22M015049

Under the guidance of

DR. PRASHANTH KUMAR C.P

Assistant Professor

DEPARTMENT OF MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra post, Bengaluru-560073

2022-2024

Scanned with OKEN Scanner

ACKNOWLEDGEMENT

I sincerely express my profound gratitude to Dr Vasu. B. A, Principal at Soundarya institute of management and science affiliated to Bangalore university. Dr Roopa Shettigar, HOD & Associate Professor at Soundarya institute of management and science affiliated to Bangalore university for extending greater support and assistance to complete internship project.

I convey my sincere gratitude to Mrs. Dr Prashanth Kumar C.P Assistant Professor Department of MBA at Soundarya institute of management and science affiliated to Bangalore University as my instructor for his timely guidance and continued inspiration and encouragement for accomplishing qualitative internship project.

Finally, I convey my sincere regards and thankfulness to all those, who supported my internship journey

DATE: NAME: JANARDHAN K

PLACE: BANGALORE Reg No: P03KU22M01504

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DECLARATION BY THE STUDENT

I hereby declare that "STUDY ON INVESTMENT PATTERN OF EMPLOYEES ON STOCK MARKET WITH REFERENCE TO POWERICA LTD COMPANY" is the result of project work carried out by me under the guidance of DR PRASHANTH KUMAR C.P in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or institute for the award of any other degree or diploma or certificate.

PLACE: BANGALORE

Name: JANARDHAN K

DATE:

REG NO: P03KU22M015049

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "STUDY ON INVESTMENT PATTERN OF EMPLOYEES ON STOCK MARKET WITH REFERENCE TO POWERICA LTD COMPANY" is an original work of **Mr. JANARDHAN K** bearing Register Number **P03KU22M015049** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submittedearlier either to this university/ Institution for the fulfilment of the requirement of acourse of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Scien
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

A STUDY ON PERFORMANCE APPRAISAL AT HINDUSTAN AERONAUTICS LIMITED - BANGALORE

Internship report submitted in partial fulfillment of the requirements for the Award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

YASHWANTH M

P03KU22M015050

Under the Guidance of

DR. PRASANTH KUMAR C.P.

Assistant professor

Department of MBA

SIMS

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

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ACKNOWLEDGEMENT

I sincerely express my profound gratitude to Director **DR. VASU B.A SOUNDARYA INSTITUTION OF MANAGEMENT AND SCIENCE** for extending greater support and assistance to complete the internship project.

I convey my sincere gratitude to **Dr. PRASANTH KUMAR C.P**. Assistant professor Department of MBA, **SIMS** as my instructor for his/her timely guidance and continued inspiration and encouragement for accomplishing qualitative internship project.

And I also extend my wholehearted thanks to **HINDUSTAN AERONAUTICS LIMITED MISSION COMBAT SYSTEM RESEARCH DESIGN CENTER (MCSRDC) DIVISION, And MR. YOGATHANTH MURTHY** CHIEF MANAGER (CM) HR External guide. for providing comprehensive learning atmosphere and industry work setting exposure and directing me to successful completion of this project report.

Finally, I convey my sincere regards and thankfulness to all those who supported my internship/ Project journey.

DATE: NAME: Yashwanth M

PLACE: Bangalore REGISTRATION NUMBER: P03KU22M015050

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DECLARATION BY THE STUDENT

I hereby declare that "*A STUDY ON EMPLOYEE WELFARE MEASURES*" at *HINDUSTAN AERONAUTICS LIMITED* - **BANGALORE** is the result of the project work carried out by me under the guidance of **Dr. PRASANTH KUMAR C.P.** in partial fulfillment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Date:

Name: Yashwanth M

Register Number: P03KU22M015050

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON PERFORMANCE APPRAISAL"** AT **HINDUSTAN AERONAUTICS LIMITED (HAL) – BANGALORE** is an original work of **Mr. YASHWANTH M**, bearing Register Number **P03KU22M015050** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

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"A STUDY ON FINANCIAL PERFROMANCE ANALYSIS OF SAGAR FIBRE AND STEEL INDUSTRY, BANGALORE"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

HEMANTH V

Reg. No: P03KU22M015051

Under the Guidance of

Dr. PRASHANTH KUMAR C.P.

Assistant Professor, Department of MBA SIMS.

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

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ACKNOWLEDGEMENT

I sincerely express my profound gratitude to DR. Vasu B A, Principal & Director, Department of MBA, Soundarya Institute of Management And Science for extending greater support and assistance to complete internship project as my instructor for timely guidance and encouragement for accomplishing qualitative internship project. I also convey my sincere gratitude to DR. Roopa Shettigar, HOD & Associate Professor Department of MBA, Soundarya Institute of Management And Science for extending greater support and assistance to complete internship project. I extend my heartfelt gratitude to Dr. Prashanth Kumar C.P, Assistant Professor Department of MBA, Soundarya Institute of Management and Science for being an internal support for the project.

Finally, I convey my sincere regards and thankfulness to all those, who supported my internship journey.

DATE:

PLACE: BENGALURU

NAME: HEMANTH V

REG NO: P03KU22M015051

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON FINANCIAL PERFORMANCE ANALYSIS OF SAGAR FIBRE AND STEEL INDUSTRY, BANGALORE" is the result of the project work carried out by me under the guidance of Dr. Prashanth Kumar C.P in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: HEMANTH V

Register Number: P03KU22M015051

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Mobile: 9844749743
9036500200
7760348230

SAGAR FIBRE & STEEL INDUSTRIES

Expert in: Epoxy Self level Flooring, Epoxy lining, FRP Lining for MS & Concrete surface, Drain gutter.
Fabrication & supply of: PP FRP & PP Tank, FRP Tank, Wet Scrubber System, PP, HDPE & PPR Pipe Work
6/4, 1st Main, 7th Cross, T.Dasarahalli, Bangalore -560057, E-mail: sagarfibre1996@gmail.com, GST: 29ABLPP7927M1ZO

CERTIFICATE

This is to certify that **Mr HEMANTH V, USN No: P03KU22M015051** Master of Business Administration Student of **Soundarya Institute of Management and Science**,(affiliated to Bengaluru University) has successfully completed the internship project work, titled **"A STUDY OF FINANCIAL PERFORMANCE WITH REFERENCE OF SAGAR FIBRE AND STEEL INDUSTRY,BANGLORE"** from 9th January 2024 to 7th February 2024, under the guidance of Mr.Basrur Ganesh Prasad. During this period his conduct was satisfactory. We wish him best in all his endeavors.

Date : 7th Februray 2024

Place : Banglore

Proprietor

SAGAR FIBRE AND STEEL INDUSTRIES

For Sagar Fiber & Steel Industries

Proprietor

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"A STUDY ON BUYER'S CONTENTMENT LEVEL OF TVS MOTORS WITH REFERENCE TO RATHEESH MOTORS - BENGALURU"

Project Report submitted to

BANGALORE UNIVERSITY

In partial fulfillment of the requirement for the award of the degree of

Master of Business Administration

FOR QUALITY AND EXCELLENCE

Submitted by

HUZAIFA J

(P03KU22M015052)

Under the Guidance of

Dr. PRASHANTH KUMAR C.P.

Assistant Professor, Department of MBA SIMS.

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

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ACKNOWLEDGEMENT

I sincerely express my profound gratitude to **DR. Vasu B A**, Principal & Director, Department of MBA, Soundarya Institute of Management and Science for extending greater support and assistance to complete internship project as my instructor for timely guidance and encouragement for accomplishing qualitative internship project. I also convey my sincere gratitude to **DR. Roopa Shettigar**, HOD & Associate Professor Department of MBA, Soundarya Institute of Management and Science for extending greater support and assistance to complete internship project. I extend my heartfelt gratitude to **Dr. Prashanth Kumar C P** Assistant Professor Department of M Com, Soundarya Institute of Management and Science for being an internal support for the project.

Finally, I convey my sincere regards and thankfulness to all those, who supported my internship journey.

DATE:
PLACE: BENGALURU

NAME: HUZAIFA J
REG NO: P03KU22M015052

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I **HUZAIFA J** hereby declare that the project work entitled. **"A study on buyer's contentment level of TVS motors with reference to Ratheesh motors - Bengaluru"** is a record of independent and Bonafede project work carried out by me under the supervision and guidance of **Dr. PRASHANTH KUMAR C.P.** Department of commerce, **Soundarya institute of management and science.**

The information and data given in the report is authentic to the best of my knowledge.

HUZAIFA J

P03KU22M015052

Place: Bangalore

Date:

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON BUYER'S CONTENTMENT LEVEL OF TVS MOTORS WITH REFERENCE TO RATHEESH MOTORS - BENGALURU**" is an original work of **Mr. HUZAIFA J** bearing Register Number **P03KU22M015052** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

Scanned with OKEN Scanner

A PROJECT REPORT ON

"A study on Organizational Behaviour in Taluk Agricultural Produce Co-Operative Marketing Society Ltd "

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF COMMERCE OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

DILEEP RAMAKANT HEGDE

REG. NO: P03KU22M015053

UNDER THE GUIDANCE OF

DR. RAMESH D

DEPARTMENT OF BUSINESS ADMINISTRATION

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

DEPARTMENT OF BUSINESS ADMINISTRATION

BANGALORE-560073

2023-24

DECLARATION

I hereby declare that the project report has been successfully completed on organizational behaviour in Taluk Agricultural Produce Co-Operative Marketing Society (T.A.P.C.M. S. LTD) in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfilment for the award of the MBA degree in the PG department of Management during the academic year 2013-24 study at Soundarya Institute of Management and Science.

I further declare that this report prepared is an original work done by me under the guidance of Prof. Vibin Krishnan R, Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.

Date:

Place: Bangalore

Name of the Student: DILEEP RAMAKANT HEGDE

REG. NO: P03KU22M015053

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled A study Organisational behaviour in Taluk Agricultural Produce Co-Operative Marketing Society Ltd (T.A.P.C.M.S.LTD), is an original work of ***Mr.*** **DILEEP RAMAKANT HEDGE** bearing University Register Number **P03KU22M015053** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

SIGNATUREOF DIRECTOR/PRINCIPAL/HOD DATE:

DATE:

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

ಟಿ.ಎಂ.ಎಸ್.. ಶಿರಸಿ

ಶಿರಸಿ ತಾಲೂಕಾ ವ್ಯವಸಾಯ ಉತ್ಪುವಳಗಳ ಸಹಕಾರಿ
ಮಾರಾಟ ಸಂಘ ನಿ. ಶಿರಸಿ - 581 402 (ಉ. ಕ.)

TMS SIRSI

SIRSI TALUKA AGRICULTURAL PRODUCE CO-OPERATIVE MARKETING SOCIETY LTD, SIRSI-581402

NEW MARKET YARD, SIRSI, UTTARA KANNADA, KARNATAKA
GSTIN: 29AAMAS4143D1ZE Fssai Lic No:11221329000085,
Email:sirsitms@gmail.com, Mob:9980113312, 08384-236513, 236239

20/2024-25.

CERTIFICATE

13 APR 2024

This is to certify that **Mr. DILEEP RAMAKANT HEGDE (P03KU22M015053)** 3rd Semester M.B.A student of **"SOUNDARYA INSTITUTE OF MANGEMENT&SCIENCE, BANGLORE"** has successfully completed his Project in our Organization from 22-01-2024 to 21-02-2024 under the guidance of Chief Executive, Mr. M.A. HEGDE

He has successfully completed the Project Report with special reference to **A REPORT ON "STUDY OF T.M.S. SIRSI."** We express our gratitude for identifying our institution for his Project report and during the period of Project report his conduct and work is satisfactory and has taken all necessary information about our organization

Thanking You,

Yours Faithfully

Chief Executive

A COMPREHENSIVE STUDY OF COST MODELLING TECHNIQUES AT ONBLUECLOUD INFOTECH PVT LTD

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

BHAVYA S

Reg. No. P03KU22M015054

Under the guidance of

Dr. Ramesh D

Designation of guide: Associate Professor

Post Graduate Studies in Management

Institution: SOUNDARYA INSTITUE OF MANAGEMENT AND SCIENCE

Soundarya Nagar Sidedahalli, Nagasandra Post, Bengaluru, Karnataka 560073

Bangalore University

2023–2024

DECLARATION BY THE STUDENT

I hereby declare that "**A comprehensive study of cost modelling techniques at onbluecloud infotech pvt ltd** ." is the result of the project work carried out by me under the guidance of *Dr. Ramesh D* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bengaluru

Bhavya. S

Name: ~~Bhavya~~ S

Date:

Register Number: P03KU22M015054

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A COMPREHENSIVE STUDY OF COST MODELLING TECHNIQUES AT ONBLUECLOUD INFOTECH PVT LTD**" is an original work of Mr./Ms **Bhavya S** bearing Register Number **P03KU22M015054** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Prin

PRINCI
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Post, Bangalore-73

Onbluecloud Infotech Private Limited

LETTER OF COMPLETION OF INTERNSHIP

This is to certify that M/s. **BHAVYA S, REG NO. P03KU22M015054,** student of **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE** affiliated to Bangalore University, has carried out a internship project "A COMPREHENSIVE STUDY OF COST MODELLING TECHNIQUES AT ONBLUECLOUD INFOTECH PRIVATE LIMITED was trainee with us Internship-Finance from 15th January 2024 to 15th February 2024, as part of academic study.

During her training we found her to be sincere and hardworking, she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations. And she was able to complete project on time.

We wish her all the best for her future endeavours.

For ONBLUECLOUD INFOTECH PRIVATE LIMITED

Gangadhar Narayanappa
Ph:9980509508
Director
luecloud Infotech Private Limited

Director

Date: 16.02.2024

"A STUDY ON THE ORGANISATIONAL FINANCIAL STRUCTURE OF GLASTRONIX"

GLASTRONIX Synopsis Submitted in partial fulfilment of the management for the award of the degree of MASTER OF BUSINESS ADMINISTRATION

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

RAHUL SHARMA

Reg. No: P03KU22M015055

Under the Guidance of

Dr. RAMESH .D

Assistant Professor

Post Graduate studies in Management

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sided Halli, Nagas Andra Post, Bangalore-73

2022- 2024

DECLARATION BY THE STUDENT

I hereby declare that "A study on the organizational financial structure of GLASTRONIX" is the result of the Internship work carried out under the guidance of PROF. Ramesh D in partial fulfilment for the award of Master's Degree in Business Administration by Soundarya Institute of Management and Science.

I also declare that this Internship is the outcome of my efforts and that it has not been submitted to any other University or Institute for the award of any other degree Diploma or Certificate.

Place: Bangalore

Name: Rahul Sharma

Date:

Register Number: P03KU22M015055

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

. This is to certify that the Internship Project titled".....A STUDY ON ORGANISATIONAL FINANCIAL STRUCTURE OF GLASTRONIX....." is an original work of Mr./Ms.....RAHUL SHARMA....., bearing Register Number.....P0KU22M015055.....and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, [illegible],
Nagasandra Post, [illegible]-73

Signature of

Glastronix
GLASTRONIX LLP
(Formerly known as GLASTRONIX)
(An ISO 9001-2015 Company)
Plot No. 21-E2, II Phase,
Peenya Industrial Area,
Bangalore - 560 058
Phone : 28396268 / 28395924
28397225 / 28394095
Email : info@glastronix.com

INTERNSHIP PROJECT CERTIFICATE

This is to certify that **MR. RAHUL SHARMA, (P03KU22M015055)** Student of MBA 2rd year, **Soundarya Institute of Management and Science, Bangalore** has Undergone an internship from 01/01/2024 to 02/02/2024 in **GLASTRONIX BANGALORE**. He also undertook a project on the subject of "**A STUDY ON ORGANISATIONAL FINANCIAL STRUCTURE OF GLASTRONIX**" during his Internship.

During this Period the student behaviour and conduct was found to be good.

We wish her all the success in the future endeavours.

For Glastronix LLP,

Venkatesh.D

Assistant General Manager -HR/IR &ADMIN.

"A STUDY OF FINACIAL STATEMENT USING RATIO ANALYSIS AT GAIL GAS LTD BANGALORE"

Internship Project submitted in partial fulfilment of the requirements for the

award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

PRADEEPA K R

Reg. No: P03KU22M015056

Under the Guidance of

Dr. Ramesh D

COORDINATOR

PG DEPARTMENT OF COMMERCE, SIMS

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY OF FINANCIAL STATEMENT USING RATIO ANALYSIS AT GAIL GAS LTD BANGALORE"** is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of **Master's Degree in Business Administration** by **Bangalore University**. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Name: PRADEEPA KR

Date:

Reg. Number: P03KU22M015056

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY OF FINACIAL STATEMENT USING RATIO ANALYSIS AT GAIL GAS LTD BANGALORE" is an original work of MR. PRADEEPA K R, bearing Register Number P03KU22M015056 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

गैस लिमिटेड
(एक महारत्न कंपनी)-
लिमिटेड की पूर्ण: स्वामित अनुषंगी कंम्पनी)
L Gas Limited
t. of India Undertaking) (A wholly owned subsidiary of
dia) Limited - A Maharatna Company)

बेंगलुरु कार्यालय :
तीसरी मंजिल, एम. एस. परिसर, एस-44, नई बी. ई. एल. रोड
बेंगलुरु - 560 054.
BENGALURU OFFICE :
3rd Floor, M.S.Complex, S-44, New BEL Road
Bengaluru - 560 054
फोन/ Phone : +91-80-23097700/01 (EPABX)
फैक्स/Fax : +91-11-26285941

GGL/BLR/CGD/HR/ST/2024

Date: 16/02/2024

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr. Pradeepa K R , 3rd Semester of MBA (Finance)** bearing register number **P03KU22M015056**, student of Soundarya Institute of Management and Science, Bengaluru has undergone internship in Finance and Accounts department from 16/01/2024 to 16/02/2024 at GAIL Gas Limited, Bengaluru.

His performance & conduct was good during this period. We wish him best of luck for his career and future endeavors.

(Smriti Namdeo)
Sr. Manager (HR)
स्मृति नामदेव / Smriti Namdeo
वरिष्ठ प्रबंधक (मानव संसाधन) / Sr. Manager (HR)
गेल गैस लिमिटेड /GAIL Gas Limited
बेंगलूरु / Bengaluru - 560 054

A STUDY ON STOCK MARKET PERFORMANCE WITH SPECIAL REFERENCE TO VARUN BEVERAGES LTD.

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Chandrika D

Reg. No. P03KU22M015057

Under the guidance of

Dr. Ramesh D

Designation of guide: Associate Professor

Post Graduate Studies in Management

SOUNDARYA INSTITUE OF MANAGEMENT AND SCIENCE

Soundarya Nagar Sidedahalli, Nagasandra Post, Bengaluru, Karnataka 560073

Bangalore University

2023-2024

DECLARATION BY THE STUDENT

I hereby declare that "*A Study On Stock Market Performance With Reference To Varun Beverages Ltd.*" is the result of the project work carried out by me under the guidance of *Dr. Ramesh D* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bengaluru

Chandrika D

Name: Chandrika D

Date:

Register Number: P03KU22M015057

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A Study On Stock Market Performance With Reference To Varun Beverages Ltd"** is an original work of **Mr./Ms Chandrika D**, bearing **Register Number P03KU22M015057** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

VARUN BEVERAGES LIMITED

34th, K.M. STONE, NATIONAL HIGHWAY - 4, VILLAGE TEPPADA BEGUR,
NELAMANGALA, BENGALURU - 562 123 TEL : 99160 12306 / 99160 12308
CIN No : L74899DL 1995PLC069839 Web : www.rjcorp.in E-mail ID : info@rjcorp.in

Ref: VBL/HR/INT-02-2024
Date:-04.02.2024

INTERNSHIP CERTIFICATE

This is to certify that **MS. Chandrika D** (Reg. P03KU22M015057), Student of Soundarya Institute of Management & Science, Bangalore has carried out a internship project "A study on Stock Market with special reference to Varun Beverages Ltd". Between 05/01/2024 to 04/02/2024. As a part of her MBA curriculum.

During this period, she showed good initiative in under in understanding various process of and practices on Stock Market which practicing at Varun beverages Limited. She has been thoroughly professional while carrying out her project.

She holds a very promising career in her profession and we wish her all the best for her future endeavors.

For Varun Beverages Limited

Authorized Signature

VARUN BEVERAGES LIMITED NELAMANGALA

"A STUDY ON MARKETING STRATEGIES OF LAKME"

Project submitted to university of Bangalore for Partial completion of degree of

MASTER OF BUSINESS ADMINISTRATION

FOR QUALITY AND EXCELLENCE IN HIGHER EDUCATION

ACCREDITED BY NAAC

By

GENAL R CHHABHAIYA

P03KU22M015058

Under the Guidance of

Dr. RAMESH.D

Associate Professor

Post Graduate studies in Management

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SoundaryaNagar,Sidedahalli,

Nagasandra Post, Bangalore-73

2024

DECLARATION

I undersigned Ms. **Genal R Chhabhaiya**, hereby declare that the work embodied in this project work titled as "**Marketing Strategies of Lakme**", forms my own contribution to the research work carried out under the guidance of **Dr. Ramesh. D** is a result of my own research work and has not been submitted previously for any degree or diploma of any university.

Wherever references have been made to previous work of others, it has been clearly ndicated as such and included in the bibliography.

I, hereby further declare that all information of this document has been obtained and resented in accordance with academic rules and ethical conduct.

NAME AND SIGNATURE OF LEARNER

ertified by.

AME AND SIGNATURE OF THE GUIDE

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON ARKETING STRATEGIES OF LAKME"** is an original work of Mr. /Ms **Ms. enal R Chhabhaiya** bearing Register Number **p03ku22m015058** and is being bmitted in partial fulfillment for the award of the Master's Degree in Business lministration of Bangalore University. The report has not been submitted earlier her to this university/ Institution for the fulfillment of the requirement of a urse of study or any other Degree.

nature of Guide

Signatu Principal

PRINCIPAL
Soundarya of Management & Scienc
Sou ya Nagar, Sidedahalli,
Naga ra Post, Bangalore-73.

CERTIFICATE FROM THE COMPANY

LAKMÉ

Date: 31-01-2024

TO WHOMSOEVER IT MAY CONCERN

This letter is to certify that Mrs. **Genal R Chhabhaiya,** student of **Soundarya Institute of Management & Science,** has successfully completed her project duration one month with our company Lakmé Lever India Pvt. Ltd. She has done **"A STUDY ON MARKETING STRATEGIES OF LAKME"** with our marketing team and was actively and diligently involved in the tasks assigned to her.

During the project, we found her to be hard working and keen to learn with bias for action. Her feedback helped us to change processes which were critical to us.

We wish her all the best in her future endeavors.

Regards,

Nishigandha Kulkarni

Nishigandha Kulkarni

Head Human Resource

Lakmé Lever Pvt. Ltd.
No.15/2, 1st Floor Residency Road, Above
Sweet Chariotbengaluru, Bangalore,
Karnataka, India, Pin Code: 560025
Ph: 9019546160 / 9036476714
nishi.kulkarni@lakme.com
CIN: U24247KA2008PTC188539

A STUDY ON THE FINANCIAL PERFORMANCE OF METAMORPHIX CONSULTING PRIVATE LIMITED.

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

NAVYA N POOJARI

Reg. No. P03KU22M015059

Under the guidance of

Dr. Ramesh D

Designation of guide: Associate Professor

Post Graduate Studies in Management

Institution: SOUNDARYA INSTITUE OF MANAGEMENT AND SCIENCE

Soundarya Nagar Sidedahalli, Nagasandra Post, Bengaluru, Karnataka 560073

Bangalore University

2023–2024

DECLARATION BY THE STUDENT

I hereby declare that "*A Study On The Financial Performance Of Metamorphix Consulting Private Limited.*" is the result of the project work carried out by me under the guidance of *Dr. Ramesh D* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bengaluru

Name: Navya N Poojari

Date:

Register Number: P03KU22M015059

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"The study on the financial performance of metamorphix consulting private limited"** is an original work of **Mr./Ms Navya N Poojari,** bearing **Register Number P03KU22M015059** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Metamorphix Consulting Private Limited

LETTER OF COMPLETION OF INTERNSHIP

This is to certify that **M/s. NAVYA N POOJARI, REG NO. P03KU22M015059,** student of **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE** affiliated to Bangalore University, has carried out a internship project "A STUDY ON THE FINANCIAL PERFORMANCE OF METAMORPHIX CONSULTING PRIVATE LIMITED was trainee with us Internship-Finance from 15th January 2024 to 15th February 2024, as part of academic study.

During her training we found her to be sincere and hardworking, she has demonstrated her skills with self-motivation to learn new skills. Her performance exceeded our expectations. And she was able to complete project on time.

We wish her all the best for her future endeavours.

For **Metamorphix Consulting Private Limited**

Goutham K.H
Ph:9980509508
Director

For Metamorphix Consulting Pvt. Ltd.

Director

Date: 16.02.2024

A study on Onboarding Practice for New Hires in Mogg's Estates Private Ltd

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By POOJA PACHI M M

P03KU22M015060

Under the guidance of

Dr. Ramesh D

Associate Professor

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

Bangalore University

2022–2024

DECLARATION BY THE STUDENT

I hereby declare that "***A Study on Onboarding Practice for New Hires in Mogg's Estates Private Ltd***" is the result of the project work carried out by me under the guidance of **Dr. Ramesh D, Associate Professor, Post Graduate Studies in Management, Soundarya Institute of Management and Science** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Poojapachi.

Place:

Name: Pooja Pachi M.M

Date:

Register Number: P03KU22M015060

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled " **A Study on Onboarding Practices for New hires at Mogg's Estate ltd** " is an original work of **Ms. Pooja Pachi M M**, bearing Register Number **P03KU22M015060** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

MOGG'S™
ESTATES

info@moggs.in
www.moggs.in
+91-9513655556
CIN: U01100KA2020PTC139916

Date:03-02-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Ms. **Poojapachi M M** of Soundrya Institute of management and science College college completed her internship in our organization as a HR intern from 08/01/2024 to 03/02/2024.

She has worked on the project work titled – "**A study on Onboarding practice for new hires**".

During the aforementioned period, he/she proved to be sincere and hard-working.

We look forward to her success in all of her future endeavours.

For the "**Mogg's Agritech pvt ltd**",

03/02/24

Authorized Signatory.

"A STUDY ON IMPACT OF SELECTED ECONOMIC INDICATORS ON BSE STOCK PRICES"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Lavanya M S

Reg. No: P03KU22M015061

Under the Guidance of

Dr. Ramesh D.

COORDINATOR

PG DEPARTMENT OF COMMERCE, SIMS

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON IMPACT OF SELECTED ECONOMIC INDICATORS ON BSE STOCK PRICES"** is the result of the project work carried out by me under the guidance of Dr. Ramesh D in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU
DATE:

Name: LAVANYA M S
Register Number: P03KU22M015061

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON IMPACT OF SELECTED ECONOMIC INDICATORS ON BSE STOCK PRICES" is an original work of Ms. Lavanya M S, bearing Register Number P03KU22M015061 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli
Nagasandra Post

BSE
estors' Protection Fund

TO WHOM SO EVER IT MAY CONCERN

This is to certify that the following student of **MBA, III SEMESTER**, from **M/s. SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE, BENGALURU** has completed his **"PROJECT"** on **"SELECTED ECONOMIC INDICATORS"** at BSE Investor Service, Bengaluru from **02.01.2024** to **31.01.2024** on "no-pay-no-fee-basis".

Mrs. Lavanya M S (Reg. No.: P03KU22MO15061)

The behavior and conduct of the student were **VERY GOOD** during the training. The overall progress and punctuality during the training was **GOOD.**

Yours faithfully,

Authorized Signatory

Tanvi Shetty

Branch Manager

"A STUDY ON GST AND SALES ANALYSIS OF STEIN SEAL COMPNAY INDIA PRIVATE LIMITED"

Internship Project submitted in partial fulfilment of the requirements for the

award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

DAYANANDA K R

Reg. No: P03KU22M015062

Under the Guidance of

Dr. Ramesh D

COORDINATOR

PG DEPARTMENT OF COMMERCE, SIMS

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON GST AND SALES ANALYSIS OF STEIN SEAL COMPNAY INDIA PRIVATE LIMITED"** is the result of the project work carried out by me under the guidance of Dr. Ramesh D in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Dayy. K.R

PLACE: BENGALURU **Name: DAYANANDA K R**

DATE: **Register Number: P03KU22M015062**

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON GST AND SALES ANALYSIS OF STEIN SEAL COMPANY INDIA PRIVATE LIMITED" is an original work of MR. DAYANANDA K R, bearing Register Number P03KU22M015062 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal/Director

STEIN SEAL® COMPANY (INDIA) PRIVATE LIMITED
Engineering Development Manufacturing
Sy. No. 11, Lakshmanapura Village, (Next to Sompura Industrial Area 2nd Stage), Thyamagondlu Hobli, Nelamangala Taluk, Bangalore Rural District-562 132. Ph : 080-6878 5328, E-mail : sales@steinseal.in, finance@steinseal.in Website : www.steinseal.in
CIN: U24299KA2008PTC045041, IEC No: 0707030030, GSTIN: 29AALCS5547A1Z7 UDYAM-KR-03-0048573

Dated: 13-02-2024

TO WHOMSOEVER IT MAY CONCERN

INTERNSHIP CERTIFICATE

This is to clarify that **Mr. Dayananda K R**, MBA student bearing Register Number P03KU22M015062 student from **Soundarya Institute of Management and Science**, Bangalore - 560073, has successfully completed his internship training in finance department done in our organization.

The duration of training was from **January 4th, 2024, to February 4th, 2024.**

During the period of training, we found his punctual, disciplined, and proactive in assigned tasks and duties.

We wish him all the success in his future endeavors.

for **Stein Seal® Company (India) Private Limited**
For STEIN SEAL® COMPANY (INDIA) PRIVATE LIMITED

Sagar. L

Sagar Authorised Signatory
HR & Administration

STEIN SEAL® COMPANY (INDIA) PRIVATE LIMITED * Bangalore 562 132

"A STUDY ON IMAPACT OF RELATIONSHIP MARKETING ON CUSTOMER LOYALTY ADOPTED BY ICICI BANK IN BANGALORE"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

ULLAS B M

Reg. No: P03KU22M015063

Under the Guidance of

Dr. Ramesh D.

COORDINATOR

PG DEPARTMENT OF COMMERCE, SIMS

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON IMPACT OF RELATIONSHIP MARKETING ON CUSTOMER LOYALTY ADOPTED BY ICICI BANK IN BANGALORE"** is the result of the project work carried out by me under the guidance of Dr. Ramesh D in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: ULLAS B M

Register Number: P03KU22M015063

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON IMPACT OF RELATIONSHIP MARKETING ON CUSTOMER LOYALTY ADOPTED BY ICICI BANK IN BANGALORE" is an original work of MR. Ullas B M, bearing Register Number P03KU22M015063 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

ICICI Bank

TO WHOM SO EVER IT MAY CONCERN

This is to certify that the following student of **MBA, III SEMESTER**, from **M/s. SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE, BENGALURU** has completed his **"PROJECT"** on **"EMPLOYEE WELFARE MEASURES"** at ICICI Bank Limited, Bengaluru from **02.01.2024** to **31.01.2024** on "no-pay-no-fee-basis".

Mr. ULLAS BM (Reg. No.: P03KU22MO15063)

The behavior and conduct of the student were **VERY GOOD** during the training. The overall progress and punctuality during the training was **GOOD.**

Yours faithfully,

Authorizes Signatory

Sandeep BK
Regional Head of Sales

ICICI Bank LIMITED
Kannamangala Devanahalli, Banglore Karnataka 562132

"ANALYSIS OF THE EFFECTIVE OF TRAINING PROVIDE BY SOUTHERN ELECTRONICS (BANGALORE) PVT.LTD"

For Partial Fulfilment of Master of Business Administration

Academic Year

(2023-2024)

FOR QUALITY AND EXCELLENCE

Submitted By

Pavithra B V - P03KU22M015064

Under the Guidance of

Dr. RAMESH.D

Associate Professor

Post Graduate Studies in Management

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

(DEPARTMENT OF MBA)

DECLARATION BY THE STUDENT

I hereby declare that "Analysis of the effective of training provided by southern electronics private limited" is the result of the project work carried out by me under the guidance of *Dr. Ramesh Devaraj* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Name: Pavithra BV
Register Number: P03KU22M015064

Place: Bangalore
Date: -

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "ANALYSIS OF THE EFFECTIVE OF TRAINING PROVIDE BY SOUTHERN ELECTRONICS (BANGALORE) PVT.LTD" is an original work of Ms PAVITHRA BV bearing Register Number PO3KU22M015064 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL

Soundarya Institute of Management & Science

Soundarya Nagar, Sidedahalli,

Nagasandra Post, Bangalore-73

SOUTHERN ELECTRONICS (BANGALORE) PVT. LTD.
16-A, PEENYA INDUSTRIAL AREA, PHASE-1, PEENYA, BANGALORE - 560 058.
Phone : +91-80-69180304 / 335
e-mail : admin@seonics.co.in / marketing@seonics.co.in http : // www.seonics.co.in
CIN No. U31909KA1971PTC002095

SEB/PRJ/70

Date: 01.02.2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. PAVITHRA BV**(Reg No.P03KU22M015064).has project work titled-"Analysis of the effective of training provided by the organization"from 3rd Jan 2024 to 31st Jan 2024 in the Department of **Human Resources.**

For SOUTHERN ELECTRONICS (BANGALORE) PVT. LTD.

SOUTHERN ELECTRONICS (BANGALORE) PVT. LTD. BANGALORE 560 058

Meena Kumari S.
Manager-HR

THE COMPREHENSIVE STUDY ON CREDIT RISK MANAGEMENT IN SRI SARASWATHI CREDIT SOUHARDA SAHAKARI LIMITED

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Manoj M

P03KU22M015065

Under the guidance of

Dr. Ramesh Devaraj

Professor

Soundarya Institute of Management and Science

Bangalore University

2022-2023

DECLARATION BY THE STUDENT

I hereby declare that "*The comprehensive study on credit risk management in Sri Saraswathi credit souhardha sahakari limited*" is the result of the project work carried out by me under the guidance of *Dr. Ramesh Devaraj* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Name: Manoj M

Date:

Register Number: P03KU22M015065

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "The comprehensive study of credit risk management in Sri Saraswathi credit Souhardha Sahakari Limited" is an original work of **Mr. MANOJ M**, bearing Register Number **P03KU22M015065** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

Phone : 7022284009, 080-28394009

SHRI SARASWATHI CREDIT SOUHARDA SAHAKARI LTD.

R.S.R. 128. S.A. 009 - 2001-02
23, 1st Floor, V.G. Complex, Opp. Varun Maruthi Motors
Hesaraghatta Main Road, Nagasandra Post, T. Dasarahalli, Bangalore - 560 073
E-mail : dasaralli@saraswathisahakari.com
website : www.saraswathisahakari.com

SSCSSSL/DSR-BLR/85/2023-24

Date: 31-01-2024

TO WHOM SO EVER IT MAY CONCERN

This is to certify That **Mr. Manoj M (Registration Number P03KU22M015065)** a student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-560073 has successfully completed his project on the topic entitled " **A STUDY ON THE COMPREHENSIVE STUDY ON CREDIT RISK MANAGEMENT** " from 01st January 2024 to 31 January 2024.

During this period, he has shown keen interest in his work and his conduct and character were found good.

We take this opportunity to wish him all success in his future endeavors.

For SHRI SARASWATHI CREDIT SOUHARDA SAHAKARI LTD.

Branch Manager

Manager, T.Dasarahalli, Bangalore

"A Study on Risk Management In financial Markets Of PEPSICO PVT LTD"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

KISHORKUMAR K

Reg. No: P03KU22M015066

Under the Guidance of

Prof. RAMESH.D

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022- 2024

DECLARATION BY THE STUDENT

I hereby declare that "A study on Risk management infinancial markets of **PEPSICO PVT LTD"** is the result of the project work carried out by me under the guidanceof **prof RAMESH.D** in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place:BENGALURU

Name: KISHORKUMAR K

Date:

Register Number: P03KU22M015066

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A Study on Risk Management In Financial Markets Of PEPSICO PVT LTD"** is an original work of Mr./Mr **Kishorkumar K** bearing Register Number **P03KU22M015066** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PEPSICO

34th K M Stone, NH-4 , Tumukur Road, T.Begur Nelamangala, Bengaluru, Karnataka 562123,

tel :08027733251

E-mail: pepsicodmksgr@pepsi.com

DATE : 31/01/2024

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is to certify that ***Mr. Kishorkumar K. (P03KU22M015066)*** *Student of MBA* ***Soundarya institute of management and science,*** *h e has successfully carried out his internship"At PEPSICO PVT LTD 34th K M Stone, NH-4 , Tumukur Road, T.Begur* ***Nelamangala,*** *Bengaluru, Katakana 562123, From* ***01/01/2024 to 31/01/2024,*** *for the during of four weeks.*

During his training at company,we found his to be enthusiastic and honest.we wish him all the best for his future .

Thanking you

Yours faithfully

General manager

PEPSICO PVT LTD

PepsiCo Indian Holding Pvt Ltd Bangalore

"A STUDY ON COMPREHENSIVE ANALYSIS OF GST WITH REFERNCE TO EVER BLUE APPAREL LIMITED"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

RAKESH R

P03KU22M015067

Under the Guidance of

Dr. RAMESH D

Associate Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare **"A STUDY ON COMPREHENSIVE ANALYSIS OF GST WITH REFERNCE TO EVER BLUE APPAREL LIMTED"** is the result of the project work carried out by me under the guidance of PROFESSOR **RAMESH** sir in partial fulfilment for the award of Master's Degree in Business Administration by University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bengaluru

Name: **RAKESH R**

Date:

Register Number: **P03KU22M015067**

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled "A Study on performance appraisal system with reference to foresee facility services Bengaluru" is an original work of Mr. Rakesh R bearing University Register Number P03KU22M015067 and is being submitted in partial fulfilment for the award of the Master's. Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

SIGNATURE OF DIRECTOR/PRINCIPAL/HOD

DATE:

EVERBLUE
RAYMOND INITIATIVE

EVERBLUE APPAREL LTD.
No. D1 & D2, Apparel Ltd Park,
KIADB Industrial Area, Doddaballapur
Bangaluru-561203
Tel : 080-2289-4700
www.raymond.in
CIN : U72900MH2000PLC24912

Dated: 15/02/2024

CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

This is-to certify that ***Mr. RAKESH R*** *following* ***Reg No: P03KU22M015067****, is an MBA Final year student of* ***Soundarya Institute of Management & Science*** *has successfully completed the internship entitled* ***"A Study on Comprehensive Analysis of GST With Reference to EverBlue Apparel Limited"*** *during the duration* ***09-01-2024 to 15-02-2024*** *at our premises.*

Mr. RAKESH R *has displayed professional traits during his internship and managed to complete all assigned tasks as required. he was hardworking, dedicated and committed.*

It was a pleasure having him with us in this short period. We wish him all the very best for his future endeavors.

Yours sincerely

Ever blue Apparel Ltd.

EVERBLUE APPAREL LTD.

Authorized Signature

Registered office :
New Hind House, Narottammorarjee,
Ballard Estate, Mumbai 400001 IN,
Tele:(91-22)22686-000

A study on Awareness and Effective utilization of ESI Benefits at Pyome Infra Solutions PVT LTD

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Name: NAVEEN KUMAR C

Reg. No: P03KU22M015068

Under the guidance of

Dr. Ramesh D

Associate Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post,

Bengaluru - 560073

2023-2024

DECLARATION BY THE STUDENT

I hereby declare that "***A study on Awareness and Effective utilization of ESI Benefits at Pyome Infra Solutions PVT LTD***" is the result of the project work carried out by me under the guidance of ***Dr. Ramesh D*** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Name: Naveen Kumar C

Date:

Register Number: P03KU22M015068

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A study on Awareness and Effective utilization of ESI Benefits at Pyome Infra Solutions PVT LTD**" is an original work of **Mr. NAVEEN KUMAR C**, bearing Register Number **P03KU22M015068** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL

Soundarya Institute of Management & Science

Soundarya Nagar, Sidedahalli,

Nagasandra Post, Bangalore-73.

PYOME
INFRA SOLUTIONS
Your Trust Our Belief

Internship Certificate

Date: 02 February 2024

To Whomsoever It May Concern

With reference to your letter dated **02/02/2024**, This Certificate proves that **Mr. NAVEEN KUMAR C (Reg no. P03KU22M015068)** of **III** Semester MBA has completed the internship program and project in HR Department at M/s. Pyome Infra Solutions PVT LTD from 02 January 2024 to 02 February 2024.

During his tenure of Internship in our company as an intern, He displays enthusiasm, Self-discipline and self- motivation. We would like to wish him all the best.

Sincerely,

For Pyome Infra Solutions PVT LTD,

Assistant manager HR

ROLE OF SHORT TERM OPERATIONAL FINANCIAL DECISIONS AT KENNAMETAL INDIA LIMITED

Internship project submitted in partial fulfilment of the requirements for the

Award of the degree of

MASTERS OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

GOPIKA M

P03KU22M015069

Under the guidance of

Prof. BHANU PRAKASH R

Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Soundarya Nagar, sidedahalli, nagasandra post, bangalore-73

2023-20

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "Role of Short-term operational financial decisions" is an original work of Mr./Ms Gopika M, bearing Register Number P03KU22M015069 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that "Role of Short-term Operational Financial Decisions" is the result of the project work carried out by me under the guidance of Bhanu Prakash in partial fulfilment for the award of master's degree in business administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or institute for the award of any other degree or diploma or certificate.

Place: Bangalore

Name: GOPIKA. M.

Date:

Reg Number: P03KU22M015069

T + 91 80 43281 444/215 | F + 91 80 43281 137
www.kennametal.com

KENNAMETAL

19th March 2024
Bangalore

CERTIFICATE

This is to certify that **Ms. Gopika M,** bearing Regd. No: P03KU22M015069, Master of Business Administration Student from Soundarya Institute of Management and Science, has successfully completed her internship on **"Role if Short Term Operational Financial Decisions"** in our organization from **08th January 2024 to 07th February 2024.**

We wish her all the success in her future endeavors.

For **Kennametal India Limited**

Samyakth Ballal
Deputy General Manager - Human Resource.

"A STUDY ON EFFECTIVENESS OF ADVERTISING STRATERGIES ON SALES GROWTH WITH REFERENCE TO SUPREME FOODS AND FLAVOURS"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

BHOOMIKA SD

P03KU22M015070

Under the Guidance of

BHANU PRAKASH R

Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON EFFECTIVENESS OF ADVERTISING STRATEGIES ON SALES GROWTH WITH REFERENCE TO SUPREME FOODS AND FLAVOURS**" is an original work of **MS. BHOOMIKA SD** bearing Register Number **P03KU22M015070** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nanasandra Post

SUPREMEFOODSANDFLAVOURS
No. M-402, 8th cross, 1st stage Peenya Industrial Estate Bangalore - 560 058
Ph. No. 9880930932 GST No. 29CCHPS6102E1ZL

Date: 06-02-2024

Place: Bengaluru

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Bhoomika SD (P03KU22M015070)** who is studying her MBA at Soundarya Institute of Management and Science is doing Project internship with us from **6th Jan 2024 to 5th Feb 2024** at **Supreme Foods and Flavours,** Bangalore under the guidance of **Mr. Suresh.** As a part of her internship training, she has interacted with different members of the department. During the training period we found her very enthusiastic and hardworking.

We wish her best of luck for all her future endeavours.

Regards

Supreme Foods and Flavours

SUPREME FOODS AND FLAVOURS BANGALORE 560 058

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON EFFECTIVENESS OF ADVERTISING STRATERGIES ON SALES GROWTH" is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of master's degree in business administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Date:

Name: BHOOMIKA SD

Place: Bangalore

Reg. no: P03KUM2215070

A STUDY ON FINANCIAL SUPPLY CHAIN MANAGEMENT PRATICES AND PERFORMANCE EFFECTIVENESS AT ASTER DM HEALTHCARE LIMITED. - BANGALORE

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

Name _ SUMA D S

Reg. No - P03KU22M015071

Under the guidance of

Dr Bhanu Prakash. R .

Director - Strategic Communications, Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

Bangalore University

2022_2024

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project title **"A Study on financial supply chain management practices and performance effectiveness at Aster DM Healthcare limited. Bangalore"** is an original work of Mr./Ms. SUMA D S bearing University Register Number **P03KU22M015071** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

SIGNATURE OF PRINCIPAL

Aster

We'll Treat You Well

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. SUMA D S**, bearing: **P03KU22M015071** a student of **Master of Business Administration**, Soundarya institute of management and science, has successfully completed one month of project program (01/01/2024-30/01/2024) at Aster DM Healthcare limited with expertise in ***Financial supply chain management.***

During the course of the Project program, she was found punctual hardworking and inquisitive

We wish her success!!

ABDUL HR ASTER DM HEALTHCARE

Authorized Signatory

DECLARATION BY THE STUDENT

I hereby declare that "**A Study on Financial Supply Chain Management Pratices and Performance Effectiveness at Aster DM Healthcare Limited Bangalore**" is the result of the project work carried out by me under the guidance **Dr, Bhanu Prakash R Director Strategi Communications of MBA Soundarya Institute of Management and Science** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore **Name: SUMA D S**

Date: **Register Number: P03KU22M015071**

"A STUDY ON ANALYSIS OF INVESTORS PORTFOLIO AND RISK MANAGEMENT IN MUTUAL FUND"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

Of

BANGALORE UNIVERSITY

By

SAHANA L

P03KU22M015072

Under the Guidance of

PROF. BHANU PRAKASH

DIRECTORS STRATEGIC COMMUNICATION

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru – 560073

2022–2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON ANALYSIS OF INVESTORS PORTFOLIO AND RISK MANAGEMENT IN MUTUAL FUND"** is an original work of Ms. **SAHANA L** bearing Register Number **P03KU22MO15072** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

Ref. No. : HR/REC01/TR11227/07022024/13385

Date : 7th February 2024

CERTIFICATE

This is to certify that **Miss. SAHANA L** student of **Soundarya Institute of Management & Science** has successfully completed her project on **"A STUDY ON ANALYSIS OF INVESTORS PORTFOLIO AND RISK MANAGEMENT IN MUTUAL FUND"**. The project period was from 2nd January 2024 to 2nd February 2024.

During this period she was found to be regular and hard working. We wish her all the Best in her future endeavors.

Vatsal Soni
(Authorised Signatory)

This Letter is digitally generated and does not require signature.

07/02/2024 11:20 AM

DECLARATION BY THE STUDENT

I hereby declare that "*A STUDY ON ANALYSIS OF INVESTORS PORTFOLIO AND RISK MANAGEMENT IN MUTUAL FUND AT NJ WEALTHS*" is the result of the project work carried out by me under the guidance of *PROF.BHANU PRAKASH.* Director of Strategic Communication in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I further affirm that I am the sole author of this project and that I haven't submitted it to any other institution or institute in order to be awarded a different degree, diploma, or certificate.

Name: Sahana L

Register Number: P03KU22M015072

Place: Bangalore

Date:

Analyzing the consumer preferences on Endowment and Whole Life insurance: A detailed comparison with reference to LIC

Internship project submitted in partial fulfilment of the requirements for the award of the Degree in

MASTER OF BUSINESS ADMINISTRATION

FOR QUALITY AND EXCELLENCE

By

Yuvaraj R

Reg.No: P03KU22M015073

Under the guidance of

Prof. Bhanu Prakash. R

Director- Strategic Communications

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundaryanagar, Sidedahalli,

Nagasandra Post,

Bengaluru-560073

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CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" **Analyzing the consumer preferences on Endowment and Whole Life insurance: A detailed comparison with reference to LIC**" is an original work of Mr. **YUVARAJ R**, bearing Register Number **p03ku22m015073** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal
PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

darya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560 073. Ph : 080-29510260 / 29510261 / 8722760601
Web : www.soundaryainstitutions.in/sims E-mail : degree@soundaryainstitutions.in

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Certification of Approval

This is to certify that Mr. Yuvaraj R [p03ku22m015073] studying in Soundarya Institute of Management and Science has undergone internship project on subject "Analysing the consumer preferences on Endowment and Whole Life Insurance: A Detailed Comparison with reference to LIC".

This certificate is issued to him to submit to Soundarya Institute of Management and Science on part of internship project purpose only.

The project has been completed successfully to our satisfaction and during the tenure of the project was good.

Suma.H.S
DMCM
1362601

SUMA H.S.
Insurance Advisor
99026 55722
89049 96790
venk_ldc@yahoo.co.in
Life Insurance Corporation of India
No. 104, Windgates Apartment, 5th Cross
Near Tata Institute, Sharadhanagar Main Road
Yelahanka New Town, Bangalore-560 064

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DECLARATION BY THE STUDENT

I hereby declare that the Internship Project titled "Analyzing the consumer preferences on Endowment and Whole Life Insurance: A Detailed Comparison with reference to LIC" is the result of the project work carried out by me under the guidance of prof. Bhanu Prakash sir in partial fulfilment for the award of master's degree in business administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or institute for the award of any other degree or diploma or certificate.

Place: Bengaluru

Date:

Name: Yuvaraj R

Register Number:

P03KU22M015073

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A STUDY ON EFFECTIVENESS OF DIGITAL MARKETING APPROACH ON BRANDING AND SALES WITH SPECIAL REFERENCE TO DATA DAB

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

HARSHITH.P

P03KU22M015074

Under the Guidance of

Prof. BHANU PRAKASH R

Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73 2024

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON EFFECTIVENESS OF DIGITAL MARKETING APPROACH ON BRANDING AND SALES WITH SPECIAL REFERENCE TO DATA DAB**" is an original work of **Mr. HARSHITH.P** bearing Register Number **P03KU22M015074** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DATADAB

TO WHOMEVER IT MAY CONCERN

This is to certify that **MR. HARSHITH P,** bearing **Reg No: P03KU22M015074,** Master of Business Administration course, a student of Soundarya Institute of Management and Science has successfully completed the project work on a topic of **"A STUDY ON EFFECTIVENESS OF DIGITAL MARKETING APPROACH ON BRANDING AND SALES WITH SPECIAL REFERENCE TO DATA-DAB".** from 6th January, 2024 to 6th February, 2024.

During this period he has shown keen interest in his work and his conduct and character were found good.

We take this opportunity to thank him and wish him all the best in his future.

Regards,

Amith Ashwini Bhagat

Marketing Executive

DATA-DAB

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "**A STUDY ON EFFECTIVENESS OF DIGITAL MARKETING APPROACH ON BRANDING AND SALES WITH SPECIAL REFERENCE TO DATA DAB**" is the result of the project work carried out by me under the guidance of **PROFESSOR BHANUPRAKASH R** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore **Name: Harshith P**

Date: **Register Number: P03KU22M015074**

Scanned with OKEN Scanner

"A STUDY ON CUSTOMER PERCEPTION TOWARDS PRODUCTS AND SERVICES PROVIDED BY 4S TELECOM PVT LTD"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

SANATH KUMAR K

P03KU22M015075

Under the Guidance of

BHANU PRAKASH. R

Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**CUSTOMER PERCEPTION TOWARDS PRODUCTS AND SERVICE PROVIDED BY 4S TELECOM PVT LTD**" is an original work of **Mr. SANATH KUMAR K** bearing Register Number **P03KU22M015075** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

4S TELECOM

No; 136-137, 2, 8th Main Rd,
Yeshwanthpur Suburb II Stage,
Peenya, Bengaluru, Karnataka 560058

Date: 08/02/2024

CERTIFICATE
TO WHOMSOEVER IT MAY CONCERN

This is to state that **Mr. SANATH KUMAR K (Reg No - P03KU22M015075)** MBA student of Soundarya Institute of Management and Science has successfully completed his Project on the topic entitled **"CUSTOMER PERCEPTION TOWARDS PRODUCTS AND SERVICE PROVIDED" WITH REFERENCE TO 4S TELECOM PVT LTD** Company from **7th Jan 2024 to 6th Feb 2024.**

He has been found hard working and showed a great enthusiasm while working on the project.

We wish him best of luck for all his future endeavors.

Thank you.

For 4S TELECOM PVT LTD

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "A study Customer Perception Towards Products and Services Provided By 4S Telecom Pvt Ltd" is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of master's degree in business administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Date

Place: Bangalore

SANATH KUMAR.K

Reg No: P03KU22M015075

Scanned with OKEN Scanner

"A Study on Indian Individual Investor Behavior"

Internship Project submitted in partial fulfilment of the management for the

Award of the degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

Rakesh H P

P03KU22M015076

Under the Guidance of

Prof. Bhanu Prakash. R

Director- Strategic Communications

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022-2024

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that internship project titled **"A Study on Indian Individual Investor Behavior"**is an original work of Mr **Rakesh H P** bearing University Register Number: **P03KU22M015076** and is being submitted in partial fulfilment for the award of the Master's Degree in business administration of Bangalore University.

The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

DATE:

SIGNATURE OF PRINCIPAL

DATE:

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "**A Study on Indian Individual Investor Behavior**" is the result of the project work carried out by me under the guidance of Prof. Bhanu Prakash. R Director-Strategic Communications at Soundarya Institute of Management and Science in partial fulfilment for the award of Master's degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of the any other degree or diploma or certificate.

Place: **Rakesh H P**

Date: **P03KU22M015076**

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"ANALYSING THE IMPACT OF BESCOM's FREE ELECTRICITY INITIATIVE ON CONSUMER POWERCONSUMPTION IN BANGALORE"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Shilpee Kumari

P03KU22M015077

Under the guidance of

Prof. Bhanu Prakash. R

Director of Strategic Communications

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Bangalore University

2022–2023

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CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "Analysing the impact of Bescom's free electricity initiative on consumer power consumption in Bangalore" is an original work of Ms. Shilpee Kumari, bearing Register Number P03KU22M015077 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

20/12/24

Signature of Guide

Signature of Principal

Scanned with OKEN Scanner

Bangalore Electricity Supply Company Limited
(Wholly owned by Government Of Karnataka undertaking)

No. AEE(E)/AE(T)/MLR/F-49/ /2023-24
E-MAIL :aecmalur.work@gmail.com
OFFICE : 08151-232342

Office Of:
Assistant Executive Engineer (Ele)
C, O & M Sub-division, Malur
BESCOM

INTERNSHIP PROJECT CERTIFICATE

This is to certify that **Ms. SHILPEE KUMARI, (P03KU22M015077)** Student of MBA 2rd year, **Soundarya Institute of Management and Science, Bangalore** has Undergone an internship from 01/01/2024 to 02/02/2024 in BESCOM, Malur Sub-Division. She also undertook a project on the subject of **"ANALYSING THE IMPACT OF BESCOM's FREE ELECTRICITY INITIATIVE ON CONSUMER POWER CONSUMPTION IN BANGALORE"** during her Internship.

During this Period the student behaviour and conduct was found to be good.

We wish her all the success in the future endeavours.

Place: Malur

Date: 03.02.2024

Asst. Executive Engineer (ELE)
C, O & M Sub-Division
BESCOM, Malur

Asst. Executive Engineer (Ele)
C, O & M Sub-division, BESCOM
Malur

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DECLARATION BY THE STUDENT

I hereby declare that "ANALYSING THE IMPACT OF BESCOM's FREE ELECTRICITY INITIATIVE ON CONSUMER POWERCONSUMPTION IN BANGALORE" is the result of the project work carried out by me under the guidance of Bhanu Prakash R. in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my efforts and that it has not been submitted to any other university or Institute for the award of any other degree Diploma or Certificate.

Place: Bangalore

Date: 05/02/24

Name: Shilpee Kumari

Register Number: P03KU22M015077

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A STUDY ON EFFECTIVENESS OF INVENTORY MANAGEMENT AT JSW CEMENTS

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

FOR QUALITY AND EXCELLENCE

By

S MEHABOOB SUBHANI

P03KU22M015078

Under the Guidance of

Prof. Bhanu Prakash.R

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

BANGALORE UNIVERSITY

2023-24

Scanned with OKEN Scanner

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON EFFECTIVENESS OF INVENTORY MANAGEMENT AT JSW CEMENTS" is an original work of Mr. S MEHABOOB SUBHANI, bearing Register Number **P03KU22M015078** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

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JSW CEMENTS

VIJAYANAGAR WORKS:
P.O. Vidyanagar, Torangallu,
Dist.Ballari,Karnataka,India
CIN :L27102MH1994PLC152925
Phone : 08395-250 120-130
Fax : 08395-250 138/250665
Website : WWW.Jsw.in

Ref: JSW/2024-25/02

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. S MEHABOOB SUBHANI,** of **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE, BENGALURU,** Has undergone project in JSW CEMENTS, TORANGALLU. He has done a project on **"EFFECTIVENESS OF INVENTORY MANAGEMENT AT JSW CEMENTS Ltd, TORANGALLU," From 05/01/2024 to 19/02/2024** "During his visit to our office we found that he was sincere, hardworking and willing to learn on the whole is performance during the training was satisfactory.

We wish him all the best in his future career and success in his life.

For JSW Cements Ltd.,

For JSW CEMENT LTD.,

Authorised Signatory

SHARANAPPA HUGAR

Welfare Officer

Date : 06/02/2024

Place : Torangallu

JINDAL

Regd. Office : JSW Centre,
Bandra kurla complex,
Bandra (East),Mumbai - 400 051
Phone : +91 22 4286 1000
Fax : +91 22 4286 3000
Part of O.P. Jindal Group

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "*A STUDY ON EFFECTIVENESS OF INVENTORY MANAGEMENT AT JSW CEMENTS*" is the result of the project work carried out by me under the guidance of Professor. *BHANU PRAKASH* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Name: S MEHABOOB SUBHANI

Date:-

Register Number: P03KU22M015078

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"A STUDY ON ROLE OF DIGITIZATION IN AUDIT PRACTICES WITH REFERENCE TO KEERTHI AND COMPANY"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

VISHWAS.D

P03KU22M015079

Under the Guidance of

BHANU PRAKASH R

Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

Scanned with OKEN Scanner

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON ROLE OF DIGITIZATION IN AUDIT PRACTICES WITH REFERENCE TO KEERTHI AND COMPANY"** is an original work of **Mr. VISHWAS.D** bearing Register Number **P03KU22MO15079** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

KEERTHI & CO.
CHARTERED ACCOUNTANTS
080-46429121 www.keerthiandco.in

Date: 31-01-2024

CERTIFICATE

This is to certify that **Mr. Vishwas D. Reg.No P03KU22M015079**

Master of Business Administration, In Soundarya Institute of Management and Science as completed project on

A study on role of digitization in audit practices at Keerthi and Co. In our organization Keerthi and Co from 10th January 2024 to 31st January 2024 as a Partial Fulfillment for the award of MBA Degree

During his stay in our organization his zeal and enthusiasm was appreciable.

For KEERTHI AND CO.
Chartered Accountant
Firm Reg No. 018022S

KEERTHI
Proprietor
Mem No.

HEAD OFFICE
AB 402, "Advaitha" 4th Floor, Sri Vaari Sannidhi, 3rd Main Road
Mythri Layout Hope Farm, Whitefield, Bengaluru - 560 066
8880033392 / 8095641480
cakeerthiandco@gmail.com

BRANCH OFFICE
1st Floor, K.M.P.S Complex, Near K.E.B Office
Opp. Canara Bank, K.R. Road, Hoskote - 562114
8884533353 / 9108383722
cakeerthiandcohoskote@gmail.com

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "A study on role of digitization in audit practices" is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of master's degree in business administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Date :

Place: Bangalore

Name: VISHWAS D

Reg. No: P03KU22M015079

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"A Study on Financial Performance Analysis by Indigo Blues"

Project submitted in partial fulfilment of the requirements for the

award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Gajendra A

Reg. No: P03KU22M015080

Under the Guidance of

Prof. Bhanu Prakash R

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

Scanned with OKEN Scanner

CERTIFICATE OF ORIGINALITY

This is to certify that the Project titled "**A Study on Financial Performance Analysis by Indigo Blues**" is an original work of Mr. Gajendra. A, bearing Register Number P03KU22M015080 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bengaluru-73.

Scanned with OKEN Scanner

INDIGO BLUES

(A unit of **Gokaldaa** Export• Ltd.)
Plot No. 2, KIADB Indl. **Area,** Doddaballapur - 561203

Dated: 11th Mar 2024

Certificate

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Mr. Gajendra A** following **Reg. no - P03KU22M015080,** a 3rd **Semester** student of **MBA** from Soudarya Institute of Management and Science**, Bangalore University** has successfully completed her **Project on "A Study on Financial Performance Analysis at Indigo Blues., Doddaballapura - A Unit of Gokaldas Exports Limited** for the period of **5 weeks** starting from **05-02-2024 to 11-03-2024** at our premises.

Mr. Gajendra A has displayed professional traits during his tenure and managed to complete all assigned tasks as required. He was hardworking, dedicated and committed.

It was a pleasure having him with us in this short period.

We wish him all the very best for his future endeavours.

Yours sincerely,

For INDIGO BLUES
Unit of Gokaldas Exports

INDIGO BLUES
Plot No. 2, KIADB Indl. Area,
DODDABALLAPUR - 561203

For, Indigo Blues (A Unit of Gokaldas Exports Limited)

Reg. Office: - #25, 2nd Cross, 3rd Main, Industrial Suburb, Yeshwanthpur.
Bangalore – 560022, Karnataka, INDIA
Tel: +91 – 80 – 68951000
Facsimile: +91 – 80 – 68951001
Email: info@gokaldasexports.com

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that **"A Study on Financial Performance Analysis by Indigo Blues"** is the result of the project work carried out by me under the guidance of Prof. Bhanu Prakash. R in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU **Name: GAJENDRA. A**

DATE: **Register Number: P03KU22M015080**

Scanned with OKEN Scanner

A Study on Risk Management Practices at SFO Technologies Pvt Ltd

Internship Project submitted in partial fulfilment of the requirements

for the

award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

NETRAVATI MALAKANNAVAR

P03KU22M015081

Under the guidance of

Prof. YUVARAJ HALAGE

Assistant Professor

Department of MBA

SOUNDARYA INSTITITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

Bangalore University

2022–2023

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTICATE OF ORGINALITY

This is certify that the internship project titled..."**A Study on Risk Management Practices at SFO Technologies Pvt ltd"** is original work of Netravati Malakannavar, bearing Register Number P03KU22M015081 and is being submitted in the partial fulfilment for the award of Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of the study or any other degree.

Signature of Guide

Signature of Principal& Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that ***"A study on Risk Management Practices at SFO Technologies Pvt Ltd"*** the result of the project work carried out by me under the guidance of **Prof. Yuvaraj Halage,** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore **NAME:** NETRAVATI MALAKANNAVAR

Date **REGISTERNUMBER:** P03KU22M015081

SFO TECHNOLOGIES Private Limited
A NeST Group Company

To whomsoever it may concern

Date: 10th Feb, 2024

This is to certify that Ms. Netravati Malakannavar, a student of Soundarya Institute of Management & Science, Bangalore had undertaken a project entitled "A Study on the Risk Management Practices at SFO Technologies Private Limited" and has successfully completed the internship during the period from 28 Dec 2023 to 10 Feb 2024.

Her performance & conduct during the internship was good.

For SFO Technologies Private Limited

Authorized Signatory

SFO Technologies Private Limited

Plot No.130, KIADB Industrial Area,
4th Phase, Bommasandra, Hosur Road,
Bangalore - 560 099. Karnataka. India.
Ph. :+91-080-67012346

Website : www.sfotechnologies.net
email : contact@sfotechnologies.net
CIN :U72900KL1990PTC005620
Regd. Office : Stone House,
Market Road, Alwaye - 683 101, INDIA

A STUDY ON 'NAVIGATING URBAN MOBILITY – THE IMPACT OF VESPA SCOOTERS ON INDIVIDUAL PRODUCTIVITY' AT BENGALURU

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

SHARATH K S

P03KU22M015082

Under the Guidance of

YUVARAJ HALAGE
Assistant Professor

POST GRADUATE STUDIES IN MAN.AGEMENT

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022-2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **A STUDY ON 'NAVIGATING URBAN MOBILITY – THE IMPACT OF VESPA SCOOTERS ON INDIVIDUAL PRODUCTIVITY' AT BENGALURU** is an original work of **Mr. SHARATH K S**, bearing Register Number **P03KU22M015082** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

DECLARATION BY THE STUDENT

I hereby declare that A Study on **'Navigating Urban Mobility – The Impact of Vespa Scooters on Individual Productivity' at Bengaluru** is the result of the project work carried out by me under the guidance of Prof. Yuvaraj Halage in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BANGALORE

DATE:

Name: SHARATH K S

Reg. Number: P03KU22M015082

Vespa **BENGALURU MOTOR CYCLE WORKS** aprilia

P.R. Square #2228, Opp. Elevated Pillar No. 93, Singasandra Hosur Road, Bangalore - 560 068.
Sales : 6364905244, Email : sales.bmcw@piaggio2wstore.in
Service : 6364905241, Email : service.bmcw@piaggio2wstore.in

Ref. :

20th Feb 2024

Intership Certificate

This is to clarify that **Mr. Sharath K S, MBA** student bearing Register Number P03KU22M015082 student of **Soundarya Institute of Management and Science** and affiliated to Bangalore University has successfully completed an internship with **BENGALURU MOTORCYCLE WORKS** from **20/01/2024 to 20/02/2024**.

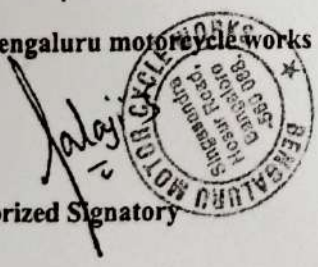
During the period of internship program with us, he has been trained on the different processes and has developed considerable skills and was found diligent, adaptable and hardworking.

Besides showing comprehension capacity and exhibiting good efficiency, he has maintained an excellent professional demeanor and showcased a positive learning attitude throughout the internship.

We wish him the best of luck in his future endeavors.

Thanking you,

For Bengaluru motorcycle works



Authorized Signatory

FINANCIAL OPTIMIZATION IN FACILITY AND PROPERTY MANAGEMENT: A COMPREHENSIVE APPROACH AT PYOME INFRA SOLUTIONS PVT LTD, BANGALORE

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

FOR QUALITY AND EXCELLENCE

By

ANANTHA D

P03KU22M015083

Under the Guidance of

Yuvaraj Halage

Assistant Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-732024

Bangalore University

2023-24

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "Financial Optimization in Facility and Property Management: A Comprehensive Approach at Pyome Infra solutions Pvt Ltd, Bangalore" is an original work of **Mr. Anantha D**, bearing Register Number **P03KU22M015083** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "*Financial Optimization in Facility and Property Management: A Comprehensive Approach at Pyome Infra solutions Pvt Ltd*" is the result of the project work carried out by me under the guidance of *Prof. Yuvaraj Halage, Assistant Professor,* in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Name: Anantha D

Date: -2-2024

Register Number: P03KU22M015083

PYOME
INFRA SOLUTIONS
Your Trust Our Belief

Internship Certificate

Date: 02 February 2024.

To Whomsoever It May Concern

With reference to your letter dated **02/02/2024**, This Certification proves that **Mr. ANANTHA D (Reg no. P03KU22M015083)** of **III** Semester MBA has completed the internship program and project in finance department at M/s. Pyome Infra Solutions Pvt Ltd from 02 January 2024 to 02 February 2024.

During his tenure of internship in our company as an Intern, he displays enthusiasm, self-discipline and self-motivation. We would like to wish him all the best.

Sincerely,

For Pyome Infra Solutions Pvt Ltd,

Assistant manager HR

PYOME INFRA SOLUTIONS PVT LTD * HR DEPT. * BANGALORE

Pyome Infra Solutions Pvt Ltd
No.08, 1st Floor, "Sai Prabhu" Building, Sirur Park, "Opp. Malleshwaram Mantri Mall", Sheshadripuram, Bengaluru - 560 020.
M: +91 98451 22399 P: +91 080 4233 2399 E: info@pyome.com W: www.pyome.com
Branch Office: Chennai Pune Maharashtra

"'A Study On Inventory Management Practices At Balaji Electro Controls Private Limited"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

ROOPESH KUMAR M

P03KU22M015084

Under the Guidance of

YUVARAJ HALAGE

Assistant Professor

POST GRADUATE STUDIES IN MANAGEMENT

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundaryanagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON INVENTORY MANAGEMENT PRACTICES AT BALAJI ELECTRO CONTROLS PRIVATE LIMITED"**, is an original work of **Mr. Roopesh Kumar M**, bearing Register Number **P03KU22M015084** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

DECLARATION BY THE STUDENT

I hereby declare that **"A study on inventory management practices at Balaji Electro Controls Private Limited"** is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of **Master's Degree in Business Administration** by **Bangalore University**. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Date:

Name: ROOPESH KUMAR M

Reg. Number: P03KU22M015084

Date: 8th Feb 2024.

Internship Certificate

This is to clarify that **Mr. Roopesh Kumar M**, MBA student bearing Register Number **PO3KU22M015084** student of Soundarya Institute of Management and Science and affiliated to Bangalore University has successfully completed an internship with **Balaji Electro Controls Private Limited** as finance intern in the finance department from 04/01/2024 to 04/02/2024.

During the period of internship program with us, he has been trained on the different processes and has developed considerable skills and was found diligent, adaptable and hardworking.

Besides showing comprehension capacity and exhibiting good efficiency, he has maintained an excellent professional demeanor and showcased a positive learning attitude throughout the internship.

We wish him the best of luck in his future endeavors.

For Balaji Electro Controls Pvt Ltd

Lakshmisha KG
Head - Finance

Balaji Electro Controls Pvt. Ltd. ★ Bangalore-562 123 ★

A STUDY ON STRATEGIC COST MANAGEMENT TO ACHIEVE PROFITABILITY AT C-ELECTRIC AUTOMOTIVE DRIVES PVT, LTD, MYSURU

Internship Project submitted in partial fulfillment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

YATHEESH S P

P03KU22M015085

Under the guidance of

Yuvaraj Halage

Assistant Professor

Department of MBA

SOUNDARYA
INSTITUTE OF
MANAGEMENT &
SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra post, Bangalore - 560073

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" **A STUDY ON STRATEGIC COST MANAGEMENT TO ACHIEVE PROFITABILITY AT C-ELECTRIC AUTOMOTIVE DRIVES PVT LTD, MYSURU**" is an original work of **Mr. YATHEESH SP** Bearing Register Number **P03KU22M015085** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal
PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON STRATEGIC COST MANAGEMENT TO ACHIEVE PROFITABILITY AT C-ELECTRIC AUTOMOTIVE DRIVES PVT LTD, MYSURU"** is the result of the project work carried out by me under the guidance of Yuvaraj Halage in partial fulfillment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: MYSURU **Name: YATHEESH S P**

Date:

Register Number: P03KU22M015085

C-ELECTRIC

PROJECT COMPLETION CERTIFICATE

7th February 2024

This is to certify that **Mr. Yatheesh S P**, a student of **Soundarya Institute of Management and Science** pursuing **MBA (Register Number: P03KU22M015085)** in **Finance** stream, has successfully completed his project on **"A Study on Strategic Cost Management to Achieve Profitability at C Electric Automotive Drives Pvt Ltd."** The project period was from **8th January 2024 to 8th February 2024.**

We commend Mr. Yatheesh for his dedication, hard work, and excellent performance. We extend our best wishes to Mr. Yatheesh S P and wish him success in all his future endeavors.

For C Electric Automotive Drives Pvt Ltd,

Bavil Varghese
Chief Executive Officer

C Electric Automotive Drives Pvt. Ltd.
Kochi: Maker Village
Kinfra Hi-Tech Park
Technology Innovation Zone
Kochi, Kerala PIN: 683503
Mysore: B/07, Main Road
Hebbal Industrial Area
Hebbal, Mysore
Karnataka 570 016
info@c-electricdrives.com
www.c-electricdrives.com
Celectricdrives
c-electric-automotive-drives

"A STUDY ON DIGITAL TRANSFORMATION IN HOUSEHOLD CLEANING INDUSTRY: LEVERAGING ONLINE PLATFORMS AT A B INDUSTRIES, BANGALORE"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

Of

BANGALORE UNIVERSITY

By

Anand R

Reg. No: P03KU22M015088

Under the guidance of

Prof. Yuvaraj Halage

Assistant Professor

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A STUDY ON DIGITAL TRANSFORMATION IN HOUSEHOLD CLEANING INDUSTRY: LEVERAGING ONLINE PLATFORMS AT A B INDUSTRIES, BANGALORE" is an original work of Mr. ANAND. R, bearing Register Number P03KU22M015088 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal
PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "A Study on Digital Transformation in Household Cleaning Industry: Leveraging Online Platforms at A B Industries, Bangalore" is the result of the project work carried out by me under the guidance of Prof. Yuvaraj Halage in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

Name: ANAND R

DATE:

Register Number: P03KU22M015088

A.B industries

Sy #22/3, Ground Floor, Ganga Farms, Somashettihalli Main Road, Chikkabanavara Post, Bengaluru, Bengaluru Urban - 560 090, Karnataka. GSTIN/UIN: 29ACAFA8615E1ZK
Ph: 8105250045, 7975262367 email: abindustriesmrfirm@gmail.com web: www.mayurlproducts.com

13th Feb, 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. ANAND R** (Reg No. P03KU22M015088) has undergone internship training at our firm **A B Industries**, Bangalore. He is pursuing his MBA at Soundarya Institute of Management & Science.

He worked on the project title **"A Study on Digital Transformation in Household Cleaning Industry: Leveraging online Platforms"** from 12-01-2024 to 12-02-2024.

We Have found his service was satisfactory. We at A B Industries extend our heartfelt best wishes to him for a prosperous and rewarding future in both his personal and professional pursuits.

Regards,
A B Industries,

A B INDUSTRIES BANGALORE

(Authorized Signature)

"A STUDY ON EXPLORING INTERNATIONAL MARKETS: OPPORTUNITIES AND CHALLENGES FOR SPRINGS PRODUCT AT HINDUSTAN SPRINGS MANUFACTURING COMPANY MYSORE"

Project submitted in partial fulfilment of the requirement for the Award of the degree

"MASTER OF BUSINESS ADMINISTRATION"

FOR QUALITY AND EXCELLENCE

By

GANESH L

P03KU22M015089

Under the Guidance of

Mr. YUVARAJ HALAGE

Assistant Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli , Nagasandra Post, Bangalore-73

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project "A STUDY ON EXPLORING INTERNATIONAL MARKETS OPPORTUNITIES AND CHALLENGES FOR SPRINGS PRODUCT AT HINDUSTAN SPRINGS MANUFACTURING COMPANY MYSORE" is an original work of Mr. GANESH L bearing University Register Number P03KU22M015089 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

DATE:

SIGNATURE OF
DIRECTOR/PRINCIPAL/HOD

DATE:

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560 073. Ph : 080-29510260 / 29510261 / 8722760601
Web : www.soundaryainstitutions.in/sims E-mail : degree@soundaryainstitutions.in

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON EXPLORING INTERNATIONAL MARKETS OPPORTUNITIES AND CHALLENGES FOR SPRINGS PRODUCT AT HINDUSTAN SPRINGS MANUFACTURING COMPANY MYSORE"** is the result of the project work carried out by me under the guidance of Mr. YUVARAJ HALAGE, Assistant Professor at Department of MBA in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BANGALORE.

Name: GANESH L

Date:

Register Number: P03KU22M015089.

GSTIN : 29AACFH1113R1Z8
Email : springsbll@gmail.com
info@hsmc_uadp.com

Ph : 2614266, 2416614
2616034

HINDUSTAN SPRING MFG. CO. Unit - 1

QUALITY SPRING MANUFACTURERS

Our Ref. No.

Date :

HSMC / SIMS / 23-24

February 03, 2024

CERTIFICATE

This is to Certify that Mr.L.Ganesh with Reg.No.P03KU22M015089 student of your college Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru – 560 073, studying 3rd Semester MBA has successfully completed his internship on topic "Finance" from 03.01.2024 to 03.02.2024.

Thanking You,

Yours faithfully,
For Hindustan Spring Mfg.Co

Authorized Signature

HINDUSTAN SPRING MFG. CO
C-111 & 112, INDUSTRIAL ESTATE
YADAVAGIRI, MYSORE - 570 020

Office & Factory :
C-111 & 112, Industrial Estate, Yadavagiri, Mysore-570 020
KARNATAKA

"The Influence of Eco-Friendly Logistics Strategies in the Automotive Industry on Organisational Performance"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

ADARSH MOULI D

P03KU22M015090

Under the Guidance of

YUVARAJ HALAGE

Assistant Professor

POST GRADUATED STUDIES IN MANAGEMENT

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "The Influence of Eco-Friendly Logistics Strategies in the Automotive Industry on Organisational Performance" is an original work of Mr. ADARSH MOULI D; bearing University Register Number P03KU22M015090 and is being submitted impartial fulfilment for the award of the Master's. Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION

I hereby declare that "The Influence of Eco-Friendly Logistics Strategies in the Automotive Industry on Organisational Performance" is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of **Master's Degree in Business Administration** by **Bangalore University**. I also declare that this project is the outcome of my own efforts and that ithas not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore **Name: ADARSH MOULI D**

Date: **Reg. Number: P03KU22M015090**

CRITICALOG®
CRITICAL LOGISTICS SOLUTIONS

Ref : CCL/HR/IN/FEB/2024/005
Dated : 5th Feb 2024

To whomsoever it may concern:

This is to certify that **Mr. ADARSH MOULI D** (Reg No.PO3KU22M015090) has successfully completed the project internship program from 3rd Jan 2024 to 3rd Feb 2024 at our headquarters which is located in Bangalore.

He has done his project internship titled – " Influence of ECO – Friendly Logistics Strategies in the Automotive Industry on Organizational Performance'' In Finance Department.

For CriticaLog India Private Limited

Assistant Manager – Human Resources

A PROJECT REPORT ON

A STUDY ON DISTRIBUTION AND MARKETING STRATEGIES ADOPTED BY TVS SUNDARAM AUTO COMPONENTS LTD

Project submitted in partial fulfilment of the requirement for the award of the degree

"MASTER OF BUSINESS ADMINISTRATION"

FOR QUALITY AND EXCELLENCE

By

AMRUTH H K

P03KU22M015091

Under the Guidance of

Mr. YUVARAJ HALAGE

Assistant Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli , Nagasandra Post, Bangalore-73

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled **"A STUDY ON DISTRIBUTION AND MARKETING STRATEGIES ADOPTED BY TVS SUNDARAM AUTO COMPONENTS LTD"** is an original work of Mr. **AMRUTH H K** bearing University Register Number **P03KU22M015091** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

SIGNATURE OF GUIDE

SIGNATURE OF
DIRECTOR/PRINCIPAL/HOD

DATE:

DATE:

DECLARATION BY THE STUDENT

I hereby declare that "**A STUDY ON DISTRIBUTION AND MARKETING STRATEGIES ADOPTED BY TVS SUNDARAM AUTO COMPONENTS LTD**" is the result of the project work carried out by me under the guidance of Mr. **YUVARAJ HALAGE**, Assistant Professor at Department of MBA in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BANGALORE.
Date:

Name: AMRUTH H K.
Register Number: P03KU22M015091.

Sundaram Auto Components Limited

Factory:
Shed no 2, TVS Motor Ancillary,
Unit Complex, Hyllahalli Village
Kadakola PO, Mysuru-571311
Karnataka Ph: 0821-[illegible]
Email: [illegible]

Date: 19-02-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Amruth H K (USN: P03KU22M015091) Studying MBA Program from Soundarya Institute of Management and Science has completed his One Month Industrial internship at our Plant, Mysuru.

During his placements, we noticed his effective participation in the assigned activities of the Plant.

We wish him all the success in future endeavors.

Thanking you,

For Sundaram Auto Components Ltd.

[Jayaramu J]
Manager-Personnel

"The Study of Financial Implications of Employees at Himalaya Drug Pvt Ltd"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALOREUNIVERSITY

By

ABHISHEK R

P03KU22M015092

Under the Guidance of

Mr. YUVARAJ HALAGE

Assistant Professor

POST GRADUATE STUDIES IN MANAGEMENT

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundaryanagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "The Study of Financial Implications of Employees at Himalaya Drug Pvt Ltd" is an original work of **Mr. ABHISHEK R** bearing University Register Number**P03KU22M015092** and is being submitted impartial fulfilment for the award of the **Master's. Degree in Business Administration** of **Bangalore University**. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree

SIGNATURE OF GUIDE

SIGNATURE OF DIRECTOR/PRINCIPAL/HOD

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "The Study of Financial Implications of Employees at Himalaya Drug Pvt Ltd" is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of **Master's Degree in Business Administration** by **Bangalore University**. I also declare that this project is the outcome of my own efforts and that It has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore **Name: ABHISHEK R**

Date: **Reg. Number: P03KU22M015092**

Himalaya
SINCE 1930

Makali, Bengaluru, Karnataka – 562 162

Date: 24/02/2024.
Place: Bengaluru

TO WHOMSOEVER IT MAY CONCERN

This is to state that **MR. ABHISHEK R (REG NO: P03KU22M015092)** MBA Student of **SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE,** had been working in our company on his dissertation titled **"Financial Implications of Employees at Himalaya Drugs Pvt Ltd"**. The dissertation was between **24/01/2024 to 24/02/2024**. During his tenure in our Company he was working under the able guidance of Mr Hanumantharaju.

We wish him best of luck for all his future endeavors. Thanking you

Himalaya Drug Company
Makali, Bengaluru
From Himalaya Drug Company.

"A STUDY OF PRODUCT DEVELOPMENT AND MANAGEMENT IN MANUFACTURING ADOPTED BY CREATIVE MANUFACTURERS MYSURU"

Project submitted in partial fulfilment of the requirement for the Award of the degree

"MASTER OF BUSINESS ADMINISTRATION"

FOR QUALITY AND EXCELLENCE

By

AMITH S R

P03KU22M015093

Under the Guidance of

Mr. AAFAQ AHMED

Assistant Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli , Nagasandra Post, Bangalore-7

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled **"A STUDY OF PRODUCT DEVELOPMENT AND MANAGEMENT IN MANUFACTURING ADOPTED BY CREATIVE MANUFACTURERS MYSURU"** is an original work of Mr AMITH S R bearing University Register Number P03KU22M015093 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

DATE:

SIGNATURE OF

DIRECTOR/PRINCIPAL/HOD

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DATE:

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY OF PRODUCT DEVELOPMENT AND MANAGEMENT IN MANUFACTURING ADOPTED BY CREATIVE MANUFACTURERS MYSURU"** is the result of the project work carried out by me under the guidance of **Mr. AAFAQ AHMED** Professor at Department of BBA in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BANGALORE.

Name: AMITH S R.

Date:

Register Number: P03KU22M015093

CREATIVE MANUFACTURERS

Regd. Office & Works : A-4, CMT Indl Estate, KRS Road,
Metagalli, Mysuru - 570 016. INDIA.

Mfrs. : Gears, Ground Spline Shafts & Broached Components

GSTIN:29AABFC0506A1ZA

Contact
Ph. 0821-2581598/4244598
Mob. +91 94480 64357

E-mail
creativemfg1@gmail.com
creativemfg1@yahoo.co.in

REF:CM/MYS/MISC:109
DATED:11.02.2024

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
SOUNDARYA NAGAR, SIDEDAHALLI
NAGASANDRA POST
BENGALURU – 560 073

CERTIFICATE

This is to certify that Mr. AMITH S R (USN: P03KU22M015093) student of MASTERS IN BUSINESS ADMINISTRATIONS(MBA), SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE BANGALORE UNIVERSITY, MYSORE, III Sem MBA Program has successfully completed his "INTERNSHIP" subject of "FINANCE" at CREATIVE MANUFACTURERS, MYSORE – 570016 from 10th JANAUARY 2024 to 10th FEBRUARY 2024 as a part of academic curriculum activities for the year 2023-2024.

He was sincere and had taken keen interest in completing his INTERNSHIP. We wish all the best, good luck and success in his endeavours.

Regards,

Prepared BY: CHAITHRA K
FOR CREATIVE MANUFACTURERS

KAMAL KANNAN S
(PARTNER)

"STUDY ON THE DEVELOPMENT OF FINANCIAL MARKET TACTICS IN THE HEALTH INSURANCE INDUSTRY, WITH A FOCUS ON NIVA BUPA HEALTH INSURANCE"

Internship Project submitted in partial fulfilment of the management for the Award of the degree of

MASTER OF BUSINESS ADMINISTRATION

FOR QUALITY AND EXCELLENCE

By

VISHNU G L

P03KU22M015094

Under the Guidance of

AAFAQ AHMED

PROFESSOR

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022-2024

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" **STUDY ON THE DEVELOPMENT OF FINANACIAL MARKET TACTICS IN THE HEALTH INSURANCE INDUSTRY, WITH A FOCUS ON NIVA BUPA HEALTH INSURENCE**" is an original work of Mr. VISHNU G L, bearing Register Number P03KU22M015094 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Scien...
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare **"STUDY ON THE DEVELOPMENT OF FINANACIAL MARKET TACTICS IN THE HEALTH INSURANCE INDUSTRY, WITH A FOCUS ON NIVA BUPA HEALTH INSURANCE"** is the result of the project work carried out by me under the guidance of **PROFESSOR AAFAQ AHMED** in partial fulfilment for the award of Master's Degree in Business Administration by University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Name: VISHNU G L

Date:

Register Number: P03KU22M015094

Scanned with OKEN Scanner

CERTIFICATE FROM THE COMPANY

niva bupa
health insurance

CERTIFICATE OF INTERNSHIP

This is to certify that **Mr.Vishnu G L**, bearing **Register No. P03KU22M015094** and a student of Soundarya Institute of Management & Science, Bangalore, has successfully completed an internship project on the topic of Study on the Development of Financial Market Tactics in the health Insurance Industry, with a focus on Niva Bupa Health Insurance. This comprehensive study was conducted between **2nd January 2024 to 2nd February 2024** as part of her MBA curriculum.

During this period, **Mr.Vishnu G L** actively contributed and gained valuable experience by working in various departments, including Marketing, Finance, and Accounts. Their dedication, hard work, and commitment to learning have been commendable, making them a valuable asset to any organization in the future.

Jeevan N

Jeevan N

Senior TA, Team HR

Niva Bupa Health Insurance Company Limited

Scanned with OKEN Scanner

"EXPLORING THE IMPACT OF LEADERSHIP STYLES ON EMPLOYEE PERFORMANCE: A STUDY OF ASTER HEALTH ACADEMY"

Internship report submitted in partial fulfillment of the requirement for the Award of the degree

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

DHANYA LAKSHMI K

P03KU22M015095

Under the Guidance of

MR. AAFAQ AHMED

Assistant Professor

Department of MBA

2023-24

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Bangalore - 560073 Soundarya Nagar, Sidedahalli, Nagasandra post

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "***Exploring the Impact of Leadership styles on Employee Performance: A study of Aster Health Academy***" is an original work of **Ms. Dhanya Lakshmi K**, bearing Register Number **P03KU22M015095** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that "*EXPLORING THE IMPACT OF LEADERSHIP STYLES ON EMPLOYEE PERFORMANCE: A STUDY OF ASTER HEALTH ACADEMY*" is the result of the project work carried out by me under the guidance of ***Mr. Aafaq Ahmed*** in partial fulfillment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Dhanyak

Place: Bangalore **Name: Dhanya Lakshmi K**

Date: 11/03/24 **Register Number: P03KU22M015095**

Aster
Health Academy
Transforming Healthcare Learning

Date: 8th February 2024

Certificate

This is to certify that Dhanya Lakshmi. K, an MBA student of Soundarya Institute of Management and Science has successfully completed the Internship and Project on '**Exploring the impact of leadership style on employee performance**' in our organization under the guidance of Mr. Sharath Kumar from **8-January-2024 to 8-February-2024.** Her performance & conduct during the Internship and Project work was good.

Y.N. Sharath Kumar
Senior Manager – Human Resources

Anjuman Kay Arr Tower, 3rd Floor, No-28, Mission Road,
Sampangi Rama Nagar, Bangalore, Karnataka, India - 560027
www.asterhealthacademy.com

"REWARD AND COMPENSATION MANAGEMENT IN BATA INDIA LTD.,PEENYA, BENGALURU"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

By Praveen K

Reg. No: P03KU22M015096

Under the Guidance of

AAFAQ AHMED

Assistant Professor

Department of Management Studies- MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTION OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra post, Bangalore - 560073

2022-2024

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Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "Reward and compensation management in Bata India Ltd., Peenya, Bengaluru" is an original work of Mr Praveen K Bearing University Register Number P03KU22M015096 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "*Reward and compensation management in Bata India Ltd., Peenya, Bengaluru"* is the result of the project work carried out by me under the guidance of Mr Aafaq Ahmed in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURU

Name: Praveen K

Date:

Register Number: P03KU22M015096

Scanned with OKEN Scanner

Bata BATA INDIA LTD.
12th Cross Rd, Peenya Industrial Area Phase IV, Peenya, Bengaluru, Karnataka 560058
Phone: 1800 419 2282 Info@BILblr.com www.bata.in

3 February, 2024

CERTIFICATE

This is to certify **MR. PRAVEEN K, REG. NO.P03KU22M015096**, MBA Student of SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCES, Sidedahalli, Bangalore -560073, has successfully completed the project titled, **A Study on REWARD AND COMPENSATION MANAGEMENT IN BATA INDIA LIMITED, BENGALURU-560064"**, during the period from 3RD January 2024 to 2nd February 2024.

We wish him all the best in his future endeavors!!

For BATA INDIA LTD.,

V. Selvam

BATA INDIA LTD. PEENYA BANGALORE-58

V. SELVAM
H.R. MANAGER

Scanned with OKEN Scanner

A PROJECT REPORT ON

A STUDY ON CUSTOMER RELATIONSHIP MANAGEMENT OF RADARDO WORKS LLP

Project submitted in partial fulfilment of the requirement for the award of the degree

"MASTER OF BUSINESS ADMINISTRATION"

By

DARSHAN JK

P03KU22M015097

Under the Guidance
of

Mr. Prof. AAFAQ AHMED

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
Soundarya Nagar, Sidedahalli , Nagasandra Post, Bangalore-73

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled "A STUDY ON CUSTOMER RELATIONSHIP MANAGEMENT OF RADARDO WORKS LLP is an original work of Mr. DARSHAN JK bearing University Register Number P03KU22M015097 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

DATE:

SIGNATURE OF DIRECTOR/PRINCIPAL/HOD

DATE:

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON CUSTOMER RELATIONSHIP MANAGEMENT (CRM) SERVICES OF RADARDO WORKS"** .Is the result of the project work carried out by me under the guidance of **Prof. Aafaq Ahmed** at Department of MBA in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place:
BANGALORE. Date:

Name: DARSHAN JK
Register No.:P03KU22M015097

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON Customer Relationship Management (CRM) Services of Radar do Works .Is the result of the project work carried out by me under the guidance of Prof. Aafaq Ahmed HOD at Department of BBA in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BANGALORE.
Date:

Name: DARSHAN JK
Register No.:P03KU22M015097

A STUDY ON MAINTAINING CUSTOMER LOYALTY IN RETAIL AT "ADITYA BIRLA FASHION AND RETAIL LIMITED (PANTALOONS) BANGALORE"

Internship Project submitted in partial fulfillment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

Of

BANGALORE UNIVERSITY

BY

MANASI S R

Reg. No P03KU22M015098

Under the guidance of

INTERNAL GUIDE

Prof. AAFAQ AHMED

Coordinator

PG Dept of Commerce

SIMS

Bangalore

Dept of MBA

Soundarya Institute of Management & Science

Soundarya Nagar, Sidedahalli Nagasandra Post,

Bangalore 560073

CERTIFICATE OF ORIGINALITY

This is to certify that the dissertation titled **"A study on maintaining customer loyalty with reference to pantaloons"** is an original work of **Ms. Manasi S R** bearing university Register Number **P03KU22M015098** and is being submitted in partial fulfillment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University/ Institution for the fulfillment of the requirement of a course of study.

Signature of Guide

Signature of Principal

Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

DECLARATION BY THE STUDENT

I hereby declare that **"A study on maintaining customer loyalty with reference to pantaloons"** is the result of the project work carried out by me under the guidance of **Prof. AAFAQ AHMED** in partial fulfillment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that is has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Name: Manasi S R

Date:

Register Number: P03KU22MO15098

ADITYA BIRLA FASHION AND RETAIL LTD
(PANTALOONS)

TO WHOM SO EVER IT MAY CONCERN

This to certify that **Ms Manasi S R** (Registration Number **P03KU22M015098**) A student of Soundarya Institute of Management and Science, Soundarya Nagar. Sidedahalli Nagasandra Post, Bengaluru-560073 has successfully complete her project on the topic entitles "A STUDY ON MAINTAINING CUSTOMER LOYALTY AT RETAIL
PANTALOONS, ORION MALL, BANGALORE."

We take this opportunity to wish her all success in her future endeavours.

Mohita Arora
Store Manager

Aditya Birla Fashion & Retail Ltd.
Pantaloons(P492)
Orion Mall Store
Bengaluru-560055

"A STUDY ON ABSENTEEISM AND RETENTION OF EMPLOYEES IN HERITAGE FOOD INDIA LTD"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

By Akhilesh S

Reg. No: P03KU22M015099

Under the Guidance of

AAFAQ AHMED

Assistant Professor

Department of Management Studies

MBA 2022-2024

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTION OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra post, Bangalore - 560073

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study on absenteeism and retention of employees in heritage Food India ltd" is an original work of Mr Akhilesh S Bearing University Register Number P03KU22M015099 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "A Study on absenteeism and retention of employees in heritage Food India ltd" is the result of the project work carried out by me under the guidance of Mr.Aafaq Ahmed in partial fulfilment for the award of Master's Degree in Business Administration by Bengaluru University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BENGALURU

Date:

Name: Akhilesh S

Register Number: P03KU22M015099

Scanned with OKEN Scanner

No.1, 1st "A" Cross, Magadi Main Road, Kamakshipalya, Bangalore-560079 (India)
Tel. No. 080 23437632 / 37 www.heritagefoods.com

3RD February 2024

CERTIFICATE

This is to certify MR. AKHILESH S., REG. NO.P03KU22M015099, MBA Student of SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE, Sidedahalli, Bangalore -560073, has successfully completed the project titled, A Study on ABSENTEEISM AND RETENTIION OF EMPLOYEES IN HERTIAGE FOODS INDIA LIMITED", during the period from 3RD January 2024 to 2nd February 2024.

We wish him all the best in his future endeavors!!

For HERITAGE FOODS LTD.,

MN Rao.

MN RAO,
GENERAL MANAGER

HERITAGE FOODS INDIA LIMITED * BANGALORE *

Scanned with OKEN Scanner

A STUDY ON "RECRUITMENT & SELECTION PROCESS AT ICICI BANK, YELAHANKA BRANCH, BANGALORE-560064"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Shreyas N

P03KU22M015100

Under the guidance of

Aafaq Ahmed

Associate Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022-2024

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Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON RECRUITMENT & SELECTION PROCESS AT ICICI BANK, YELAHANKA BRANCH, BANGALORE-560064"** is an original work of Mr. **SHREYAS N** bearing Register Number **P03KU22M015100** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

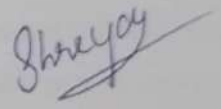
PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "RECRUITMENT & SELECTION PROCESS AT ICICI BANK, YELAHANKA BRANCH, BANGALORE-560064" is the result of the project work carried out by me under the guidance of Mr. Aafaq Ahmed in partial fulfilment for the award of master's degree in business administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.



Place: Bangalore

Date:

Name: SHREYAS N

Register Number: P03KU22M015100

Scanned with OKEN Scanner

ICICI Bank

3rd 'B' Cross, No 2019 A, 'B' Sector, Yelahanka New Town
Bangalore Karnataka, 560064.
www.icicibank Tel: 080 23454351 - 54

3 February, 2024

CERTIFICATE

This is to certify **MR. SHREYAS N., REG. NO.P03KU22M015100,** MBA Student of SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCES, Sidedahalli, Bangalore -560073, has successfully completed the project titled, **A Study on RECRUITMENT & SELECTION PROCESS AT ICICI BANK, YELAHANKA BRANCH, BENGALURU-560064",** during the period from 3RD January 2024 to 2nd February 2024.

We wish him all the best in his future endeavors!!

For ICICI BANK LTD.,

M.S. KRISHNA DAS
BRANCH MANAGER

ICICI BANK Yelahanka New Town BANGALORE-64

Scanned with OKEN Scanner

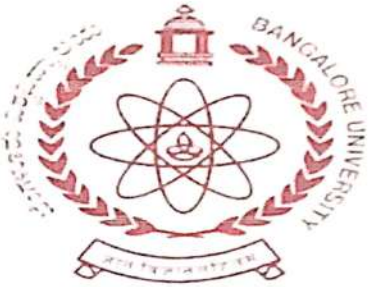
A STUDY ON IMPACT OF VISUAL MERCHANDISING ON BRAND IMAGE WITH REFERENCE TO SHOPPERS STOP

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

Of

BANGALORE UNIVERSITY



BY

MANISHA S R

Reg. No P03KU22M015101

Under the guidance of

INTERNAL GUIDE

Prof. AAFAQ AHMED

Coordinator

PG Dept of Commerce

SIMS

Bangalore

Dept of MBA

Soundarya Institute of Management & Science

Soundarya nagar, Sidedahalli Nagasandra Post,

Bangalore 560073

CERTIFICATE OF ORIGINALITY

This is to certify that the dissertation titled **"A study on Impact of Visual Merchandising on brand image With Reference to Shoppers Stop"** is an original work of **Ms. Manisha S R** bearing university Register Number **P03KU22M015101** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University/ Institution for the fulfilment of the requirement of a course of study.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that **"A study on Impact of Visual Merchandising on Brand Image with Reference to Shoppers Stop"** is the result of the project work carried out by me under the guidance of **Prof. AAFAQ AHMED** in partial fulfillment for the award of Master's Degree in Business Administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that is has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Manisha S R

Place: Bangalore

Name: Manisha S R

Date:

Register Number: P03KU22M015101

SHOPPERS STOP

START SOMETHING NEW

Date: 12.02.20024

TO WHOM SO EVER IT MAY CONCERN

This is a certify that **MS MANISHA SR** (Registration Number **P03KU22M015101**) a student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore- 560073 has successfully completed her project on the topic entitled "**A Study on Impact of Visual Merchandising on Brand Image with Reference to Shoppers Stop**".

We take this opportunity to wish her all success in her future endeavors.

For Shoppers stop Ltd.

SHOPPERS STOP LIMITED
Orion Brigade
Bangalore
560055
UNIT NO 214

A PROJECT REPORT ON

"A STUDY ON CUSTOMER SATISIFACTION TOWARDS BANKING SERVICES PROVIDED BY SBI BANK IN BANGLORE CITY"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF COMMERCE OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

NAME: MITHUN H.S
REG. NO: P03KU22M015102

UNDER THE GUIDANCE OF

Mr.VAIBHAV .S. ARWADE
ASSISTANT PROFESSOR
DEPARTMENT OF MBA
SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
DEPARTMENT OF BUSINESS ADMINISTRATION
BANGALORE-560073

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project title **"A STUDY ON CUSTOMER SATISIFACTION TOWARDS BANKING SERVICES PROVIDED BY SBI BANK IN BANAGLORE CITY"** is an original work of **Mr. MITHUN H.S** bearing University Register Number P03KU22M015102 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

DATE: 06/06/2024

SIGNATURE OF DIRECTOR/PRINCIPAL/HOD

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON CUSTOMER SATISIFACTION TOWARDS BANKING SERVICES PROVIDED BY SBI BANK IN BANAGLORE CITY"** is the result of the project work carried out by me under the guidance of **MR.VAIBHAV .S.ARWADE** in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: BANGALORE

Date:

Name: MITHUN H.S

Reg.No: P03KU22M015102

Mithun H.S

Scanned with OKEN Scanner

GUIDE CERTIFICATE

This is to certify that the project report titled "**A STUDY ON CUSTOMER SATISIFACTION TOWARDS BANKING SERVICES PROVIDED BY SBI BANK IN BANGLORE CITY**" is an independent work carried out by **MITHUN HS** in partial fulfillment for the award of the degree of **MASTER OF BUSINESS ADMINISTRATION** in **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**. The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.

This dissertation is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 06/06/2024

Place: Bangalore

Mr.VAIBHAV.S.ARWADE

Project Guide

Department of MBA

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"A STUDY ON EMPLOYEE JOB SATISFACTION OF MIDDLE LEVEL EMPLOYEES WITH REFERENCE TO HIMALAYA DURGS COMPANY"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

OF

BANGALORE UNIVERSITY

By

SINDHU LK

P03KU22M015103

Under the Guidance of

Prof. VAIBHAV S Arwade

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2023-2024

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON EMPLOYEE JOB SATISFACTION OF MIDDLE LEVEL EMPLOYEES WITH REFERENCE TO HIMALAYA DRUGS COMPANY**" is an original work of **MS. SINDHU L K** bearing Register Number **P03KU22MO15103** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bengalore-73

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "Title of the project" is the result of the project work carried out by me under the guidance of Name of the Guide in partial fulfilment for the award of master's degree in business administration by Bangalore University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore
Date:

Name: SINDHU L K

Reg num:P03KU22M015103

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Himalaya®
HERBAL HEALTHCARE

Makali, Bengaluru, Karnataka·562 162

Date: 06 / 01 /2024

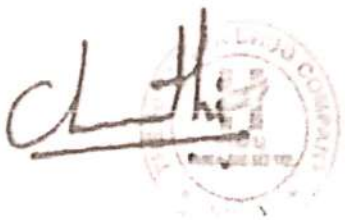
Place: Bengaluru

TO WHOMSOEVER IT MAY CONCERN

This is to state that **Ms. SINDHU LK** (Reg No - **P03KU22M015103**) a student of **Soundarya Institute of Management and Science** has been successfully completed her Project on the topic entitled **"A STUDY ON EMPLOYEE JOB SATISFACTION OF MIDDLE LEVEL EMPLOYEES "** With reference to Himalaya Drug Company from **6th Jan 2024 to 5thFeb2024**.

She was hard working and showed great enthusiasm in working on the project.

We wish her best of luck for all her future endeavors. Thank you



For Himalaya Drug Company

Scanned with OKEN Scanner

"A STUDY ON CUSTOMER BUYING BEHAVIOUR AT HYUNDAI MOTORCOMPANY"

Internship Project submitted in partial fulfillments of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

HEMANTH KUMAR N

Reg. No: P03KU22M015107

Under the Guidance of

Prof . Vaibhav. S. Arwade

DEPARTMENT OF MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

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CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON CUSTOMER BUYING BEHAVIOUR AT HYUNDAI MOTOR COMPANY**" is an original work of Mr. HEMANTH KUMAR N, bearing Register Number P03KU22M015107 and is being submitted in partial fulfillment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfillment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that "A FUNDAMENTAL AND TECHINCAL ANALYSIS OF AEQUITIES WITH SPECIAL REFERENCE TO BSE" is the result of the project work carried out by me under the guidance of PROF. Vaibhav.S.Arwade in partial fulfillment for the award ofMaster's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Hemanth Kumar N

PLACE: BENGALURU

Name: HEMANTH KUMAR N

DATE:

Register Number: P03KU22M015107

Scanned with OKEN Scanner

HYUNDAI

15/02/2024

TO WHOM SO EVER IT MAY CONCERN

to Certify that **Mr. Hemanth Kumar N** bearing **USN. No. P03KU22M015107** of MBA from Soundarya Institute of Management and Science, Nagasandra, ore Affiliated to Bangalore University has successfully Completed his Internship in mpany on the Topic "**A Study on Customer Buying Behaviour at Hyundai Company**" at Nelamangala From **03/01/2024 to 02/02/2024.**

this period, that Student Behaviour and Conduct was found to be Good.

a all the best for his Future.

ındai Motor Company

MOTOR COMPANY
AMANGALA
RE RURAL- 562123
sed Signatory

Scanned with OKEN Scanner

"A STUDY ON EFFECTIVENESS OF INSURANCE WITH REFRENCE OF ESI AT THE MAHATMA GANDHI SAHAKAR SAKKARE KARKHANE"(N)

submitted in partial fulfilment of the management for the

Award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

FOR QUALITY AND EXCELLENCE

SUBMITTED BY

SIDDAPPA.R.G

P03KU22M015109

Under the Guidance of

Prof Vaibhav.S.Arwade

Assistant Professor

Department of MBA

Post Graduate Studies in Management

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

2022-2024

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study On Effectiveness of Insurance with Reference of ESI at THE MAHATMA GANDHI SAHAKAR SAKKARE KARKHANE (N)" is an original work of Mr. **Siddappa R.G** bearing University Register Number **P03KU22M015109** and is being submitted in partial fulfilment for the award of the Master's. Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Director/Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON EFFECTIVENESS OF INSURANCE WITH REFRENCE OF ESI AT THE MAHATMA GANDHI SAHAKAR SAKKARE KARKHANE (N)"** is the result of the

project work carried out by me under the guidance of **Assistant Prof.Vaibhav.S.Arwade** in partial fulfilment for theof Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to anyother university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU

DATE:

Name: SIDDAPPA R G

RegisterNumber: P03KU22M015109

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ST NO. : 29AABAM8179L1ZU

Ph : 08484 - 265779
(Tele Fax) : 08484 - 265498
E-mail:mgsskltdbhalki@yahoo.co.in

The Mahatma Gandhi Sahakar Sakkare Karkhane (N)

BHALKI - 585 328 BIDAR Dist. (Karnataka State)
Regn. No. DSK/LGL/RGN/ 12 / 91-92 Dated : 08-04-1991

Ref No. MGSSK(N)/EST/2023-24/ 652

Date : 05-02-2024

-:: *CERTIFICATE* ::-

This is to certify that Mr. Siddappa, Reg. No.(P03KU22M015109), MBA-IIIrd Semester student of Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore has successfully completed his Financial Study in MGSSK Bhalki from 06-01-2024 to 05-02-2024 during the period he has taken good initiative and interest in completing the study.

He has obtained necessary information and completed his industrial training.

We wish all the best for his future end over.

MANAGING DIRECTOR

To,
Mr.Siddappa,
Reg. No.(P03KU22M015109),
Soundarya Institute of Management & Science,
Soundarya Nagar,
Sidedahalli, Nagasandra Post,
BANGALORE-73.

Scanned with OKEN Scanner

"A STUDY ON PERFORMANCE APPRAISAL SYSTEM WITH REFERENCE TO FORESEE FACILITY SERVICES BENGALURU"

Internship Project submitted in partial fulfilment of the requirements for the award of the Degree of

MASTER OF BUSINESS ADMINISTRATION

of

BANGALORE UNIVERSITY

By

Naveen L C

Reg. No: P03KU22M015110

Under the Guidance of

Vaibhav S. Arwade

Assistant Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560073

2022–2024

Scanned with OKEN Scanner

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled" A STUDY ON PERFORMANCE APPRAISAL SYSTEM WITH REFERENCE TO FORESEE FACILITY SERVICES BENGALURU" is an original work of Mr. Naveen L C, bearing Register Number P03KU22M015110 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal/Director

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

Scanned with OKEN Scanner

DECLARATION BY THE STUDENT

I hereby declare that **"A STUDY ON PERFORMANCE APPRAISAL SYSTEM WITH REFERENCE TO FORESEE FACILITY SERVICES BENGALURU"** is the result of the project work carried out by me under the guidance of Prof. Vaibhav in partial fulfilment for the award of Master's Degree in Business Administration by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

PLACE: BENGALURU
DATE:

Name: NAVEEN L C
Register Number: P03KU22M015110

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Foresee
Facility Services

Date: 05 February 2024

CERTIFICATE
TO WHOMSOEVER IT MAY CONCERN

is to certify **Mr. Naveen LC** studying in Soundarya Institute of Management & ce, Bengaluru bearing **Reg No: P03KU22M015110** has successfully completed his ıship project with us from **12th Jan 2024 to 02nd Feb 2024.**

ıg the internship his project tittle was **"A Study on Performance Appraisal System Reference To Foresee Facility Services Bengaluru".**

vish him success in all his future endeavors.

rs Sincerely,

ILITY SERVICES * BANGALORE *

Foresee Facility Services

nush B G
ıaging Partner

Scanned with OKEN Scanner

A PROJECT REPORT ON

"A study on Innovative Marketing Initiatives Driving Growth and Sustainability adopted by Hindustan Spring Ltd".

Project submitted in partial fulfilment of the requirement for the Award of the degree

"MASTER OF BUSINESS ADMINISTRATION"

FOR QUALITY AND EXCELLENCE

By

YASWANTH S

P03KU22M015111

Under the Guidance of

PROF, VIBIN KRISHNAN R

Assistant Professor

Department of MBA

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

Soundarya Nagar, Sidedahalli , Nagasandra Post, Bangalore-73.

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled A study on Innovative Marketing Initiatives Driving Growth and Sustainability adopted by Hindustan Spring Ltd, is an original work of ***Mr.*** **YASHWANTH S** bearing University Register Number **P03KU22M015111** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

DATE:

SIGNATURE OF DIRECTOR/PRINCIPAL/HOD

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DATE:

DECLARATION

I hereby declare that the project report has been successfully completed on **"A study on Innovative Marketing Initiatives Driving Growth and Sustainability adopted Hindustan Spring Ltd"** in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the **MBA** degree in the PG department of Management during the academic year 2013-24 study at Soundarya Institute of Management and Science.

I further declare that this report prepared is an original work done by me under the guidance of **Prof. Vibin Krishnan R,** Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.

Date:

Place: Bangalore

Name of the Student: YASHWANTH S

REG. NO: P03KU22M015111

GSTIN: 29AACFH1113R1Z8
Email : springsbil@gmail.com
info@hsmc_uadp.com

Ph : 2514256, 2416614
2515034

DIN EN ISO 9001 : 2015
Certificate No. 85100 00105256

HINDUSTAN SPRING MFG. CO. Unit - 1

HSMC

QUALITY SPRING MANUFACTURERS

Our Ref. No. HSMC / SIMS / 23-24

Date : February 15, 2024

CERTIFICATE

This is to Certify that Mr.Yashwant S. with Reg.No.P03KU22M015111 student of your college Soundarya Institute of Management & Science, Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru – 560 073, studying 3rd Semester MBA has successfully completed his internship on topic "Marketing" from 15.01.2024 to 15.02.2024.

Thanking You,

Yours faithfully,
For Hindustan Spring Mfg.Co

Authorized Signature

HINDUSTAN SPRING MFG. CO
C-111 & 112, INDUSTRIAL ESTATE
YADAVAGIRI MYSORE-570 020

A PROJECT REPORT ON

"A Study on Performance Evaluation of Customer Relationship Management with Special Reference to CriticaLog India Private Limited"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF BUSINESS ADMINISTRATION OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

Neha B R

P03KU22M015112

UNDER THE GUIDANCE OF

PROF. VIBIN KRISHNAN R

ASSISTANT PROFESSOR

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

DEPARTMENT OF BUSINESS ADMINISTRATION

BANGALORE-560073

2023-24

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "A Study on Performance Evaluation of Customer Relationship Management with Special Reference to CriticaLog India Private Limited" is an original work of Ms. Neha BR, bearing Register Number P03KU22M015112 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION

I hereby declare that the project report has been successfully completed on "A Study on Performance Evaluation of Customer Relationship Management with Special
Reference to CriticaLog India Private Limited", in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the MBA degree in the PG department of Management during the academic year 2023-24 study at Soundarya Institute of Management and Science.

I further declare that this report prepared is an original work done by me under the guidance of Prof. Vibin Krishnan R, Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.

Date:

Place: Bangalore

Neha B R

Reg No: P03KU22M015112

CRITICALOG®
CRITICAL LOGISTICS SOLUTIONS

Ref : CCL/HR/IN/FEB/2024/004
Dated : 5th Feb 2024

To whomsoever it may concern:

This is to certify that **Ms. NEHA BR** (Reg No.PO3KU22M0150112) has successfully completed the project internship program from 3rd Jan 2024 to 3rd Feb 2024 at our headquarters which is located in Bangalore.

She has done her project internship titled – " A study on performance Evaluation of customer Relationship Management with Special reference to CriticaLog India Private Limited'' in Business Development Department.

For CriticaLog India Private Limited

Assistant Manager – Human Resources

A PROJECT REPORT ON

"A STUDY ON COST EFFECTIVE MANUFACTURING STRATEGIES AND ITS RELATIONS WITH PROFIT MAXIMIZATION WITH REFERENCE TO SRI NANJUNDESHWARA ENGINEERING"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF COMMERCE OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

PRAJWAL M

REG. NO: P03KU22M015114

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

UNDER THE GUIDANCE OF

PROF. VIBIN KRISHNAN R

ASSISTANT PROFESSOR
DEPARTMENT OF BUSINESS ADMINISTRATION
SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
BANGALORE-560073

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
DEPARTMENT OF BUSINESS ADMINISTRATION
BANGALORE-560073

2023-24

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "**A STUDY ON COST EFFECTIVE MANUFACTURING STRATEGIES AND ITS RELATIONS WITH PROFIT MAXIMIZATION**" is an original work of **Mr. PRAJWAL M** bearing Register Number **P03KU22M015114** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Scien
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION

I hereby declare that the project report has been successfully completed on **"A STUDY ON COST EFFECTIVE MANUFACTURING STRATEGIES AND ITS RELATIONS WITH PROFIT MAXIMIZATION WITH REFERENCE TO SRI NANJUNDESHWARA ENGINEERING"**, in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the **MBA** degree in the PG department of Management during the academic year 2023-24 study at Soundarya Institute of Management and Science.

I further declare that this report prepared is an original work done by me under the guidance of **Prof. Vibin Krishnan R,** Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.

Date:

Place: Bangalore

PRAJWAL M

Reg No: P03KU22M015114

SRI NANJUNDESHWARA ENGINEERING

No. 51, 1st C Main Road, Peenya 2nd Phase, Nelagadaranahalli, Bangalore 560058.

GSTIN : 29BVPPS3520J1Z0

NO: SNE/PER/PROJ-CER/23-24

Date:13/02/2024

CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to Certify that **Mr. Prajwal M** Reg No: **P03KU22M015114** MBA student of Soundarya Institute of Management and Science has successfully completed his Project on the topic entitled **"A STUDY ON COST EFFECTIVE MANUFACTURING STRATEGIES AND IT'S RELATIONS WITH PROFIT MAXIMIZATION WITH REFERENCE TO SRI NANJUNDESHWARA ENGINEERING"** Company from **6th Jan 2024 to 5th Feb 2024**.

He has been found sincere and hard working to best of our knowledge and satisfaction during his tenure over here.

We wish him all the best for the future endeavors.

Regards.

For SRI NANJUNDESHWARA ENGINEERING

A PROJECT REPORT ON

"A study on Financial Performance Analysis"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF COMMERCE OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

KUMAR VIJAY K

REG. NO: P03KU22M015115

UNDER THE GUIDANCE OF

PROF. VIBIN KRISHNAN R

ASSISTANT PROFESSOR

DEPARTMENT OF BUSINESS ADMINISTRATION

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE

DEPARTMENT OF BUSINESS ADMINISTRATION

BANGALORE-560073

2023-24

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

Date:

This is to certify that the Internship Project titled A study on Financial Performance Analysis , is an original work of *Mr.* **KUMAR VIJAY K** bearing University Register Number **P03KU22M015115** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this University /Institution for the fulfilment of the requirement of a course of study or any other Degree.

SIGNATURE OF GUIDE

DATE:

SIGNATUREOF DIRECTOR/PRINCIPAL/HOD

DATE:

DECLARATION

I hereby declare that the project report has been successfully completed on "**A study on Financial Performance Analysis**" in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the **MBA** degree in the PG department of Management during the academic year 2013-24 study at Soundarya Institute of Management and Science.

further declare that this report prepared is an original work done by me under the guidance of Prof. Vibin Krishnan R, Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.

Name of the Student: KUMAR VIJAY K

REG. NO: P03KU22M015115

Date:

Place: Bangalore

A PROJECT REPORT ON

"A STUDY ON EMPLOYEE RETENTION STRATAGIES"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF COMMERCE OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

NAME: AKASH M
REG. NO: P03KU22M015116

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

UNDER THE GUIDANCE OF

PROF. VIBIN KRISHNAN R
ASSISTANT PROFESSOR
DEPARTMENT OF BUSINESS ADMINISTRATION
SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
BANGALORE-560073

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
DEPARTMENT OF BUSINESS ADMINISTRATION
BANGALORE-560073

2023-24

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"A STUDY ON EMPLOYEE RETENTATION STRATEGIES" AT ADITYA AUTO PRODUCTS & ENGINEERING PVT LTD,** is an original work of Mr. AKASH M, bearing Register Number P03KU22M015116 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

ndarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru - 560 073. Ph : 080-29510260 / 29510261 / 8722760601
E-mail : degree@soundaryainstitutions.in

DECLARATION

I hereby declare that the project report has been successfully completed on **"A STUDY ON EMPLOYEE RETENTION STRATAGIES"** *in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the* **MBA** *degree in the PG Department of Management during the academic year 2013-24 study at Soundarya Institute of Management and Science.*

I further declare that this report prepared is an original work done by me under the guidance of **Prof. Vibin Krishnan R,** *Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.*

Date:

Place: Bangalore

AKASH M

Reg No. P03KU22M015116

Aditya/HR/RK/Project/ 2024

13.02.2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Akash M** Reg No. **P03KU22M015116**, 2nd year **MBA** student of **Soundarya Institute of Management – Bangalore** has carried out an internship in our organization from 10th Jan'2024 to 9th Feb'2024. He has completed a project titled **"A study on employee retention strategies"** at Aditya Auto Products & Engineering (I) Pvt. Ltd, Doddaballapur.

During the period of training he was keen, hardworking and displayed good conduct and character.

We wish him all success in his future endeavors.

Thanking you,

For Aditya Auto Products & Engineering (I) Pvt. Ltd.

Authorized Signatory

ADITYA AUTO PRODUCTS & ENGINEERING (I) PRIVATE LIMITED
Corporate Head Office
#13E, KIADB Industrial Area, Doddaballapur,
Bangalore, Karnataka, India 561203
+91 80 2263 7000 | mktg@adityaauto.com
www.adityaauto.com
CIN: U35204KA1994PTC020766

Automotive Systems
#13E, KIADB Industrial Area, Doddaballapur,
Bangalore, Karnataka, India 561203
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A PROJECT REPORT ON

"A STUDY TO MEASURE MARKET POTENTIAL AND CUSTOMER BUYING MOTIVES WITH SPECIAL REFERENCE TO HIMALAYA DRUG COMPANY"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF COMMERCE OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

PALLAVI C

REG. NO: P03KU22M015117

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

UNDER THE GUIDANCE OF

PROF. VIBIN KRISHNAN R

ASSISTANT PROFESSOR
DEPARTMENT OF BUSINESS ADMINISTRATION
SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
BANGALORE-560073

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
DEPARTMENT OF BUSINESS ADMINISTRATION
BANGALORE-560073

2023-24

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project title " **A Study to measure market potential and customer buying motives with reference to Himalaya drug Company** "is an original work of **Ms. PALLAVI C** bearing Register Number **P03KU22M015117** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION

I hereby declare that the project report has been successfully completed on **"A study to measure market potential and customer buying motives with special reference to Himalaya Drug Company"**, *in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the* **MBA** *degree in the PG department of Management during the academic year 2023-24 study at Soundarya Institute of Management and Science.*

I further declare that this report prepared is an original work done by me under the guidance of **Prof. Vibin Krishnan R,** *Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.*

Date:

Place: Bangalore

PALLAVI C

Reg No: P03KU22M015117

Himalaya®
HERBAL HEALTHCARE

Makali, Bengaluru, Karnataka·562 162

Date: 06 / 01 /2024

Place: Bengaluru

TO WHOMSOEVER IT MAY CONCERN

This is to state that **Ms. PALLAVI C** (Reg No - **P03KU22M015117**) a student of **Soundarya Institute of Management and Science** has been successfully completed her Project on the topic entitled **"A STUDY ON MARKET POTENTIAL AND CUSTOMER BUYING MOTIVES"** With reference to Himalaya Drug Company from **6th Jan 2024 to 5th Feb 2024**.

She was hard working and showed great enthusiasm in working on the project.

We wish her best of luck for all her future endeavors.

Thank you

For Himalaya Drug Company

A PROJECT REPORT ON

"COMMERCIAL ANALYSIS OF AN PRODUCT TENDER AND QUOTATION DEFENCE INDUSTRY FINANCIAL ANALYSIS"

SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE

MASTER OF BUSINESS ADMINISTRATION

OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

SURABHI.BR
REG. NO: P03KU22M015119

UNDER THE GUIDANCE OF

PROF. VIBIN KRISHNAN R
ASSISTANT PROFESSOR
DEPARTMENT OF MASTER BUSINESS ADMINISTRATION

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
Soundarya Nagar, Sidedahalli, Naga Sandra Post,
Bangalore-73 2023-2024

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled "COMMERCIAL ANALYSIS OF AN PRODUCT TENDER AND QUOTATION DEFENCE INDUSTRY FINANCIAL ANALYSIS " is an original work of Mr./Ms SURABHI BR, bearing Register Number P03KU22M015119 and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University.

The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION BY THE STUDENT

I hereby declare that the project report has been successfully completed on Commercial analysis of an tender and quotation defense industry financial analysis in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the MBA *degree in the PG Department of Management during the academic year 2013-24 study at Soundarya Institute of Management and Science.*

I further declare that this report prepared is an original work done by me under the guidance of Prof. Vibin Krishnan R, *Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.*

Date:
Place: Bangalore

SURABHI .BR
Reg No. P03KU22M015119

EN 9100
BUREAU VERITAS
Certification

No: ADTL / HR / 24 / 70006
Date: 21st February 2024

ALPHA DESIGN
TECHNOLOGIES PVT LTD - SEZ
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E alphacorp@adtl.co.in
W www.adtl.co.in
CIN U74140KA2003PTC032191

INTERNSHIP TRAINING COMPLETION CERTIFICATE

This is to certify that **Ms. Surabhi B. R.** (P03KU22M015119) a student of MBA. (Master of Business Administration) from Soundarya Institute of Management & Science, Bangalore has undergone an Internship project with title "Commercials Study & Calculation of Nethra Weapon Sight" in our Organization from 08th January 2024 to 08th February 2024 as partial fulfillment of the curriculum.

For ALPHA DESIGN TECHNOLOGIES PVT. LTD. - SEZ

Madesh. M
HUMAN RESOURCE BUSINESS PARTNER
(MADESH.M)

ALPHA DESIGN TECHNOLOGIES PVT. LTD. SEZ ★ Bengaluru

A PROJECT REPORT ON

"ENHANCING EMPLOYEE ENGAGEMENT IN HEALTHCARE MANAGEMENT"

INTERSHIP PROJECT SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE AWARD OF DEGREE OF MASTER OF BUSINESS ADMINISTRATION OF BANGALORE UNIVERSITY FOR THE ACADEMIC YEAR 2023-2024

BY

NAME. SANGIPOGU JUSTUS BENARJI
REG. NO: P03KU22M015120

UNDER THE GUIDANCE OF

PROF. VIBIN KRISHNAN R
ASSISTANT PROFESSOR
DEPARTMENT OF BUSINESS ADMINISTRATION
SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
BANGALORE-560073

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE
DEPARTMENT OF BUSINESS ADMINISTRATION
BANGALORE-560073

2022-24

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

CERTIFICATE OF ORIGINALITY

This is to certify that the Internship Project titled **"ENHANCING EMPLOYEE ENGAGEMENT IN HEALTHCARE MANAGEMENT"** is an original work of **Mr. SANGIPOGU JUSTUS BENARJI** bearing Register Number **P03KU22MO15120** and is being submitted in partial fulfilment for the award of the Master's Degree in Business Administration of Bangalore University. The report has not been submitted earlier either to this university/ Institution for the fulfilment of the requirement of a course of study or any other Degree.

Signature of Guide

Signature of Principal

PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

DECLARATION

I hereby declare that the project report has been successfully completed on **"Enhancing Employee Engagement in Healthcare Management"** *in the Department of MBA, Soundarya Institute of Management and Science, Bangalore. This report is submitted by me in partial fulfillment for the award of the* **MBA** *degree in the PG Department of Management during the academic year 2023-24 study at Soundarya Institute of Management and Science.*

I further declare that this report prepared is an original work done by me under the guidance of **Prof. Vibin Krishnan R,** *Assistant Professor, Department of Business Administration, Soundarya Institute of Management and Science, Bengaluru and this report has not been previously formed as the basis for the award of any Degree / Diploma of any other similar title or to any university.*

Date:

Place: Bangalore

Sangipogu Justus Benarji

Reg No. P03KU22M015120

Date: 31st Jan 2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Sangipogu Justus Benarji** (Reg.No.P03KU22M015120), has completed his project work titled – "Enhancing Employee Engagement in Healthcare Management" from **29th Dec 2023 to 29th Jan 2024** in the Department of **Human Resources.**

Thanking you

For Gleneagles Healthcare India Private Limited
Bengaluru

BGS GLOBAL HOSPITALS BANGALORE

Sachin Shet
Cluster Head-Human Resources
Gleneagles Global Hospitals, Bangalore

A STUDY ON FUNCTIONAL AREAS OF COCHIN INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

AHALLYA SADANANDAN

UUCMS REGISTER NUMBER: U03KU21M0020

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

Scanned with OKEN Scanner

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title **"A Study on Functional areas of Cochin International Airport"**, *is an independent work carried out by* **Ms. Ahallya Sadanandan** bearing the register number: **U03KU21M0029** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION in AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**. *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15th June 2024
Place: Bangalore

Ms. Prema Venkatraman
Project Guide

Mr. Aafaq Ahmed
Head of Department

Dr. Vasu B. A.
Principal
Soundarya Institute of Management & Sc
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

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A STUDY ON FUNCTIONAL AREAS OF THIRUVANANTHAPURAM INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

DEVI CHANDANA P K

UUCMS REGISTER NUMBER: U03KU21M0030

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

Scanned with OKEN Scanner

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title **"A Study on Functional areas of Thiruvananthapuram International Airport"**, *is an independent work carried out by* **Ms. Devi Chandana P K** bearing the register number: **U03KU21M0030** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION in AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**. *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15th June 2024
Place: Bangalore

Ms. Prema Venkatraman Project Guide	Mr. Aafaq Ahmed Head of Department	Dr. Vasu B. A. Principal

Head of the Department
Department of Business Administration
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

PRINCIPAL
Soundarya Institute of Management & Scienc
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

DECLARATION

I hereby declare that major project Report titled "**A STUDY ON FUNCTIONAL AREAS OF THIRUVANANTHAPURAM INTERNATIONAL AIRPORT**" is the result of the project work carried out by me under the guidance of **Prof. PREMA VENKATRAMAN** in partial fulfillment for the award of **Bachelor of Business Administration (Aviation Management)** by Bangalore University

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate

Date

Place: BANGALORE

Name: DEVI CHANDANA P K

Reg No: U03KU21M0030

Scanned with OKEN Scanner

A STUDY ON FUNCTIONAL AREAS OF HAMAD INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

SHUHAIB AMAN.C

UUCMS REGISTER NUMBER: U03KU21M0034

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

oundarya Institute of Management and Science

undarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

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Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title **"A Study on Functional areas of Hamad International Airport"**, *is an independent work carried out by* **Mr. Shuhaib Aman C** bearing the register number: **U03KU21M0034** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION** *in* **AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**. *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15th June 2024
Place: Bangalore

Ms. Prema Venkatraman	Mr. Aafaq Ahmed	Dr. Vasu B. A.
Project Guide	Head of Department	Principal
	Department of Business Administration Soundarya Institute of Management & Science Sidedahalli, Bangalore, Nagasandra Post, Bangalore-560 073.	PRINCIPAL Soundarya Institute of Management & Scien Soundarya Nagar, Sidedahalli, Nagasandra Post, Bangalore-73

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A STUDY ON FUNCTIONAL AREAS OF KANNUR INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

BHADRA.P

UUCMS REGISTER NUMBER: U03KU21M0033

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

Scanned with OKEN Scanner

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title "**A Study on Functional areas of Kannur International Airport**", *is an independent work carried out by* **Ms. Bhadra P** bearing the register number: **U03KU21M0033** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION in AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**. *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15 June 2024
Place: Bangalore

Ms. Prema Venkatraman	**Mr. Aafaq Ahmed**	**Dr. Vasu B. A.**
Project Guide	**Head of Department**	**Principal**

Head of the Department
Department of Business Administration
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73.

PRINCIPAL
Soundarya Institute of Management & Scie
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

DECLARATION

I hereby declare that major project Report titled **"A STUDY ON FUNCTIONAL AREAS OF KANNUR INTERNATIONAL AIRPORT"** is the result of the project work carried out by me under the guidance of **Prof. PREMA VENKATRAMAN** in partial fulfillment for the award of **Bachelor of Business Administration (Aviation Management)** by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Date: 15 June 2024
Place: BANGALORE

Name: BHADRA.P
Reg.No:U03KU21M0033

Scanned with OKEN Scanner

A STUDY ON FUNCTIONAL AREAS OF CALICUT INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

AKSHITHA.K

UUCMS REGISTER NUMBER: U03KU21M0032

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

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PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title **"A Study on Functional areas of Calicut International Airport"**, *is an independent work carried out by* **Ms. Akshitha K** bearing the register number: **U03KU21M0032** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION** in **AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**. *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15 June 2024
Place: Bangalore

s. Prema Venkatraman	Mr. Aafaq Ahmed	Dr. Vasu B. A.
Project Guide	Head of Department	Principal

PRINCIPAL
Soundarya Institute of Management & S
Soundarya Nagar, Sidedahalli
Nagasandra Post, Bangalore-7

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A STUDY ON FUNCTIONAL AREAS OF SINGAPORE CHAGI INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the

Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

SANJAN.K

UUCMS REGISTER NUMBER: U03KU21M0026

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)

SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE

(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)

Accredited by NAAC with "B+" Grade

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title **"A Study on Functional areas of Singapore Changi Airport"**, *is an independent work carried out by* **Mr. Sanjan K** *bearing the register number:* **U03KU21M0026** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION in AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE.**

The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15-06-2024
Place: Bangalore

Prema Venkatraman
Project Guide

Mr. Aafaq Ahmed
Head of Department
Department of Business Administration
Soundarya Institute of Management & Science
Soudarya Nagara, Sidedahalli,
Nagasandra Post, Bangalore-73.

Dr. Vasu B. A.
Principal
PRINCIPAL
Soundarya Institute of Management & Science
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

DECLARATION BY STUDENT

I hereby declare that major project Report titled "**Understanding Operational Areas with special reference to Singapore Changi Airport .**" is the result of the project work carried out by me under the guidance of **Prof. PREMA VENKATRAMAN** in partial fulfillment for the award of **Bachelor of Business Administration (Aviation Management)** by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

DATE: 15 - 06 - 2024

PLACE: Bangalore

NAME OF THE STUDENTS: SANJAN K

REG . NO: U03KU21M0026

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A STUDY ON FUNCTIONAL AREAS OF TOKYO HENADA INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the

Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

PRAJWAL.DS

UUCMS REGISTER NUMBER: U03KU21M0031

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title **"A Study on Functional areas of Tokyo Haneda International Airport"**, *is an independent work carried out by* **Mr. Prajwal D S** bearing the register number: **U03KU21M0031** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION in AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE.** *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15-06-2024
Place: Bangalore

. Prema Venkatraman
Project Guide

Mr. Aafaq Ahmed
Head of Department
Department of Business Administration
Soundarya Institute of Management & Science
Soudarya Nagara, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Dr. Vasu B. A.
Principal
PRINCIPAL
Soundarya Institute of Management & Sci
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

DECLARATION BY STUDENT

I hereby declare that major project Report titled "**Understanding *Operational Areas with special reference to Tokyo Haneda International*** " is the result of the project work carried out by me under the guidance of **Prof. PREMA VENKATRAMAN** in partial fulfillment for the award of **Bachelor of Business Administration *(Aviation Management)*** by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

DATE: 15-06-2024

PLACE: Bangalore

NAME OF THE STUDENTS: PRAJWAL DS

REG . NO: U03KU21M0031

Scanned with OKEN Scanner

A STUDY ON FUNCTIONAL AREAS OF LONDON HEATHROW INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the

Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

DARSHAN GOWDA.M

UUCMS REGISTER NUMBER: U03KU21M0027

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

Scanned with OKEN Scanner

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title **"A Study on Functional areas of London Heathrow International Airport"**, *is an independent work carried out by* **Mr. Darshan Gowda M** bearing the register number: **U03KU21M0027** *in partial fulfillment for the award of degree* **BACHELOR OF BUSINESS ADMINISTRATION in AVIATION MANAGEMENT** *at* **SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**. *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15/06/24
Place: Bangalore

Ms. Prema Venkatraman
Project Guide

Mr. Aafaq Ahmed
Head of Department
Head of the Department
Department of Business Administration
Soundarya Institute of Management & Science
Soudarya Nagara, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

Dr. Vasu B. A.
Principal
PRINCIPAL
Soundarya Institute of Management & Scienc
Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore-73

Scanned with OKEN Scanner

DECLARATION BY STUDENT

I hereby declare that major project Report titled "**Understanding Operational Areas with special reference to London Heathrow Airport** " is the result of the project work carried out by me under the guidance of **Prof. PREMA VENKATRAMAN** in partial fulfillment for the award of **Bachelor of Business Administration (Aviation Management)** by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Darshan.M

DATE: Bangalore

PLACE: 15/6/24

NAME OF THE STUDENTS: DARSHAN GOWDA M

REG . NO: U03KU21M0027

Scanned with OKEN Scanner

A STUDY ON FUNCTIONAL AREAS OF DUBAI INTERNATIONAL AIRPORT

A report submitted in partial fulfillment of the requirements for the award of the Degree of

BACHELOR OF BUSINESS ADMINISTRATION

(AVIATION MANAGEMENT)

Submitted by

GURU KIRAN. R

UUCMS REGISTER NUMBER: U03KU21M0035

Under the guidance of

PROF. PREMA VENKATRAMAN

Department of Business Administration

Soundarya Institute of Management and Science

Soundarya Nagar, Sidedahalli, Nagasandra Post, Bengaluru-73

Batch 2021-2024

Scanned with OKEN Scanner

Soundarya Educational Trust (Regd.)
SOUNDARYA INSTITUTE OF MANAGEMENT & SCIENCE
(Recognised by Govt. of Karnataka & Affiliated to Bangalore University)
Accredited by NAAC with "B+" Grade

PROJECT COMPLETION CERTIFICATE

This is to certify that the project report title "A Study on Functional areas of **Dubai International Airport**", *is an independent work carried out by* Mr. Guru **Kiran R** bearing the register number: U03KU21M0035 *in partial fulfillment for the award of degree* BACHELOR OF BUSINESS ADMINISTRATION in AVIATION MANAGEMENT *at* SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE. *The report has been approved as it satisfies the academic requirements as prescribed by the Bangalore University.*

This project report is original and has not formed the basis for awarding of any other degree or diploma by Bangalore University or any other University.

Date: 15/06/24
Place: Bangalore

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DECLARATION BY STUDENT

I hereby declare that major project Report titled "**Understanding Operational Areas with special reference to Dubai International Airport** " is the result of the project work carried out by me under the guidance of **Prof. PREMA VENKATRAMAN** in partial fulfillment for the award of **Bachelor of Business Administration (Aviation Management)** by Bangalore University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

DATE: 15/06/24

PLACE: Bangalore

NAME OF THE STUDENTS: GURUKIRAN.R

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