PROJECT - SMITHA S



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





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

Submitted by

Smitha S U03KU21S0093

Under the guidance of

Prof. Santhosh R S





DEPARTMENT OF COMPUTER SCIENCE

Certificate

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

Project Guide

DEPT. Of COMPUTER SCREETS

Soundarya Institute of Management and Scie.

Soundarya Nagar, Sidedahalli,
Nagasandra Post, Bangalore - 560 073.

EXAMINERS

Examiners

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 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 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. 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.
SMITHA S

Index

Chapter.	Details	Page No.
1	 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 1.5.1 Technical Feasibility 1.5.2 Economic Feasibility 1.5.3 Social Feasibility 	1-5
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	6-13
3	3.1 Hardware & Software requirement3.2 Front End3.3 Back End.	14-16
4	4.1 Structured chart4.2 UML Diagram4.3 Data Flow diagram4.4 Data base design	17-21
5	5.1 Coding5.2 Output screen5.3 Testing	22-47
6	6.1 Conclusion6.2 Future Enhancement6.3 References	48-50