

**Soundarya Education Trust(R)**  
**SOUNDARYA INSTITUTE OF MANAGEMENT AND SCIENCE**  
Soundaryanagar, Sidedahalli, Hessaraghatta Main Road, Bangalore- 73  
**Internal Quality Assurance Cell(IQAC)**

Name of the MoU / linkage	Name of the institution / industry with whom the Mo U / linkage is made, with contact details	MoU start date	MoU End date
MOU to Facilitate technology Dissemination through Academia	KSTA	13-08-2024	31-08-2029

**MOU Title:** MOU to Facilitate technology Dissemination through Academia

**Year/Date:** 13-08-2024

**Nature of the MOU:** Including Scientific Temper across civil society through Science Communication

Sl. No	Date	Event Name	Beneficiaries	Event Coordinator
01	22-08-2024	Celebration of Space day with ADITHYA L1 Journey	Bsc Students	Dr. Shreemathi Giri
01	13-09-2024	Online workshop on Quantum Science and Technology	Bsc Students	Dr. Shreemathi Giri



## Report on Quantum Science and Technology

About	
<b>Title of the talk</b>	Online Conference On Quantum Science and Technology
<b>Resource Person(s)</b>	Dr. T S Mahesh Professor, IISER, Pune
<b>Date</b>	13-09-2024
<b>Student Attended</b>	Bsc Students
<b>Faculty coordinator(s)</b>	Dr. Shreemathi Giri

### Objective(s) & Outcome(s)

Objective(s) & Outcome(s)		
<b>Objective(s)</b>	<b>1</b>	Structured Internship Opportunities: Establish a framework for offering structured and meaningful internships, ensuring that students gain practical, hands-on experience relevant to their academic studies and career aspirations.
	<b>2</b>	Exploration of Quantum Technologies: Discuss the real-world applications of quantum technologies, such as quantum cryptography, quantum sensing, and quantum communication.
	<b>3</b>	Career Pathways: Discuss career opportunities in quantum science, including research, academia, and industry roles.

<b>Outcome(s)</b>	<b>1</b>	Basic Understanding of Quantum Mechanics: Participants will have a solid grasp of the basic principles of quantum mechanics and how they differ from classical physics.
	<b>2</b>	Knowledge of Quantum Applications: Participants will be able to identify how quantum technologies are applied in cryptography, computing, and communication.
	<b>3</b>	Informed Career Decisions: Participants will understand the emerging career opportunities in quantum science and technology.



**Principal**  
**PRINCIPAL**  
 Soundarya Institute of Management & Science  
 Soundarya Nagar, Sidedahalli,  
 Nagasandra Post, Bangalore-73,

# 2<sup>nd</sup> INTERNATIONAL ONLINE WORKSHOP ON QUANTUM SCIENCE AND TECHNOLOGY

Discover the Latest Innovations and Best Practices of  
Quantum Science and Technology



**9 - 13 SEPTEMBER, 2024**  
[Monday - Friday]  
3.30 pm - 4.45 pm

<b>09</b>		<p><b>Dr. Omkar Srikrishna</b> Quantum Theorist / Architect Architect Group, ORCA Computing Toronto, Canada <b>Topic:</b> Optics for Quantum Information Processing</p>	<p><a href="https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522">https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522</a> Webinar number / access code: 2916 610 1888 Webinar password: tggWPr3t8t8</p>
<b>10</b>		<p><b>Dr. Anantha S Nayak</b> Assistant Professor in Physics Regional Institute of Education NCERT, Ajmer <b>Topic:</b> Characterization of Quantum Entanglement using Entropic Criteria</p>	<p><a href="https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522">https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522</a> Webinar number / access code: 2916 608 7028 Webinar password: jrc7KzWV2pd</p>
<b>11</b>		<p><b>Dr. R Srikanth</b> Associate Professor, Dept. of Theoretical Sciences, Poomappally Institute of Scientific Research, Bengaluru <b>Topic:</b> Quantum correlations: from weirdness to applications</p>	<p><a href="https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522">https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522</a> Webinar number / access code: 2916 228 8881 Webinar password: ZbnknaupN833</p>
<b>12</b>		<p><b>Dr. Anil Prabhakar</b> Professor, Dept. of Electrical Engineering Indian Institute of Technology - Madras <b>Topic:</b> Translating Quantum Technologies - Our National Quantum Mission</p>	<p><a href="https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522">https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522</a> Webinar number / access code: 2916 600 5409 Webinar password: 764M5ac38u6</p>
<b>13</b>		<p><b>Dr. T S Mahesh</b> Professor, ISSA, Pune <b>Topic:</b> Spins as Quantum Workshop</p>	<p><a href="https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522">https://ksta.webex.com/ksta/j.php?MTID=ma41da192b09847593d863616f648e7522</a> Webinar number / access code: 2916 138 7342 Webinar password: 00990Hc37</p>

**ASSOCIATE PARTNERS**

- ▶ Department of PG Studies in Physics, SB Arts and KCP Science College, Vijayapura
- ▶ Soudarya Institute of Management and Science, Bengaluru
- ▶ Alva's Institute of Engineering and Technology, Moodbidri

**REGISTRATION**

<https://ksta.webex.com/webapp/j/ites/ksta/webinar/webinar/ma41da192b09847593d863616f648e7522>



## Report on Quantum Science and Technology

About	
<b>Title of the talk</b>	Science Day Celebration with Adithya L1 Journey
<b>Resource Person(s)</b>	Prof. (Dr.) Dipankar Banerjee, FASc, FNASc Director Aryabhata Research Institute of Observational Sciences (ARIES)
<b>Date</b>	22-08-2024
<b>Student Attended</b>	Bsc Students
<b>Faculty coordinator(s)</b>	Dr. Shreemathi Giri

Objective(s) & Outcome(s)		
<b>Objective(s)</b>	<b>1</b>	Introduction to National Space Day: Highlight the significance of National Space Day and its role in promoting space science and exploration.
	<b>2</b>	Understanding the Aditya-L1 Mission: Provide a detailed overview of the Aditya-L1 mission, its objectives, and the scientific instruments on board.
	<b>3</b>	Space Technology and Satellites: Discuss the development of space technologies used in the Aditya-L1 mission and their broader applications in space research.

<b>Outcome(s)</b>	<b>1</b>	Knowledge of the Aditya-L1 Mission: Participants will understand the objectives and scientific significance of Aditya-L1 in studying the Sun and its influence on space weather.
	<b>2</b>	Awareness of Solar Science: Attendees will learn the importance of solar studies, including solar flares, coronal mass ejections, and their impacts on Earth's space environment.
	<b>3</b>	Motivation for Careers in Space Science: Attendees, especially students, will be encouraged to consider careers in space exploration, astrophysics, and engineering, equipped with knowledge



**Principal**  
**PRINCIPAL**

Soundarya Institute of Management & Science  
Soundarya Nagar, Sidedahalli,  
Nagasandra Post, Bangalore-73,





**Karnataka Science & Technology Academy**  
Department of Science and Technology, Govt. of Karnataka

**Celebration of Space day through a  
ADITYA L1 Journey**

**August 22, 2024**  
**11:30 AM**



**Prof. (Dr.) Dipankar Banerjee, FASc, FNASc**  
Director  
Argabhatta Research Institute of Observational Sciences (ARIES)  
An autonomous research institute under DST, Government of India,  
Manora peak, Nainital

**Venue:**  
Prof. U.R. Rao Auditorium, KSTA

**RSVP**  
<https://forms.gle/unA5ut48wqspLWxw5>

## Geo Tag Photo

