



A J INSTITUTE OF ENGINEERING AND TECHNOLOGY

NH-66, Kottara Chowki, Mangaluru -575006, D. K District, Karnataka, INDIA.

A Unit of Laxmi Memorial Education Trust®

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Belagavi)

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Date:29/09/2025

Report on “Industrial Visit”

Name of the Program:	Career Readiness Program	Program Dates & Timings:	17-09-2025 to 21-09-2025			
Name & Details of the Accompanying Person:	Dr. Sreejith B K and Dr. Nithesh K					
Organized by (Clubs/ Dept.)	ARMS	In Association with (clubs)				
Number of Participants	49	Students	47	Faculty	02	
Program Outcome (PO) Mapping	PO1, PO6, PO7, PO8, PO9 and PO12					
Coordinators	Dr. Vighnesha Nayak, Dr. Nithesh K					

About the Program: An industrial visit to Trivandrum, Kerala was conducted from September 17th to 21st organized by ARMS for students of semester V, to gain practical exposure to industrial processes, research activities, and large-scale power generation facilities. The program also included cultural and recreational visits to enhance the overall learning experience. The visit spanned four days and covered industries, research organizations, and significant tourist locations.

Day1:

On the first day, the visit began with Travancore Titanium Products Ltd, where students explored the industrial production of titanium dioxide, a key raw material for paints, plastics, and paper. The process flow involving digestion of ilmenite, hydrolysis, calcination, and milling was explained in detail, along with the associated effluent treatment and environmental challenges. Students gained valuable insights into industrial safety, instrumentation, and process control. Later, the team visited the Vikram Sarabhai Space Centre (ISRO), where they were introduced to India’s achievements in space technology, particularly the PSLV and GSLV launch vehicles. They observed the role of propulsion systems,



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solid and liquid fuel engines, composite materials, and quality assurance in space missions. Engineers at the centre also emphasized the importance of mission planning and upcoming projects, providing students with strong motivation to pursue careers in aerospace and research.

Day 2:

On the second day, the group visited the Kudankulam Nuclear Power Plant, where they were oriented on nuclear energy as a clean and sustainable power source. The plant uses Pressurized Water Reactor (PWR) technology, and students learned about the working principles of reactor cores, neutron moderators, control rods, steam turbine systems, and nuclear waste management. The visit also highlighted the advanced safety systems and radiation shielding practices implemented at the facility. Interactions with technical staff provided knowledge about career opportunities in nuclear power, R&D, and reactor safety, while reinforcing the significance of nuclear energy in meeting India's growing power demands.

Day 3:

The third day was dedicated to a visit to Poovar Island, a unique ecosystem where a river, a lake, and the sea converge. This visit offered environmental awareness, as students observed the importance of eco-tourism, biodiversity conservation, and the effects of climate change and coastal erosion. It also served as a cultural and recreational experience that promoted team-building and peer learning among the participants.

Day 4:

On the final day, the group explored prominent local attractions in Trivandrum, including the Padmanabhaswamy Temple, which showcased Kerala's rich architectural heritage, the Napier Museum and Zoo, which highlighted the state's art, history, and biodiversity, and popular beaches like Kovalam and Shankumugham, which provided insights into coastal ecosystems and the local economy driven by tourism and fishing. The cultural immersion emphasized the role of heritage, tradition, and social development alongside technical knowledge,



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making the visit a balanced blend of academic, industrial, environmental, and cultural learning.

Objectives: The program session enabled students to

1. To provide students with practical exposure to industrial and research activities.
2. To understand the applications of classroom concepts in real-world industries.
3. To explore emerging technologies in chemical processing, space research, and nuclear power generation.
4. To enhance awareness of sustainability, safety, and innovation in modern industries.
5. To foster teamwork, communication, and cultural awareness among students.

Outcomes: On successful completion of program, the student should able to:

1. Students gained first-hand knowledge of industrial operations in chemical processing, aerospace engineering, and nuclear energy.
2. Enhanced understanding of safety protocols, quality control, and research methodologies.
3. Improved ability to relate academic concepts (thermodynamics, fluid mechanics, materials, manufacturing, etc.) to industrial practices.
4. Exposure to cutting-edge technologies like space launch systems and nuclear reactors.

Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	2	-	-	-	-	2	-	1	1	-	-	1
2	2	-	-	-	-	2	-	1	1	-	-	1
3	2	-	-	-	-	2	1	1	1	-	-	1
4	2	-	-	-	-	2	1	1	1	-	-	1
Average	2	-	-	-	-	2	1	1	1	-	-	1

Photos:



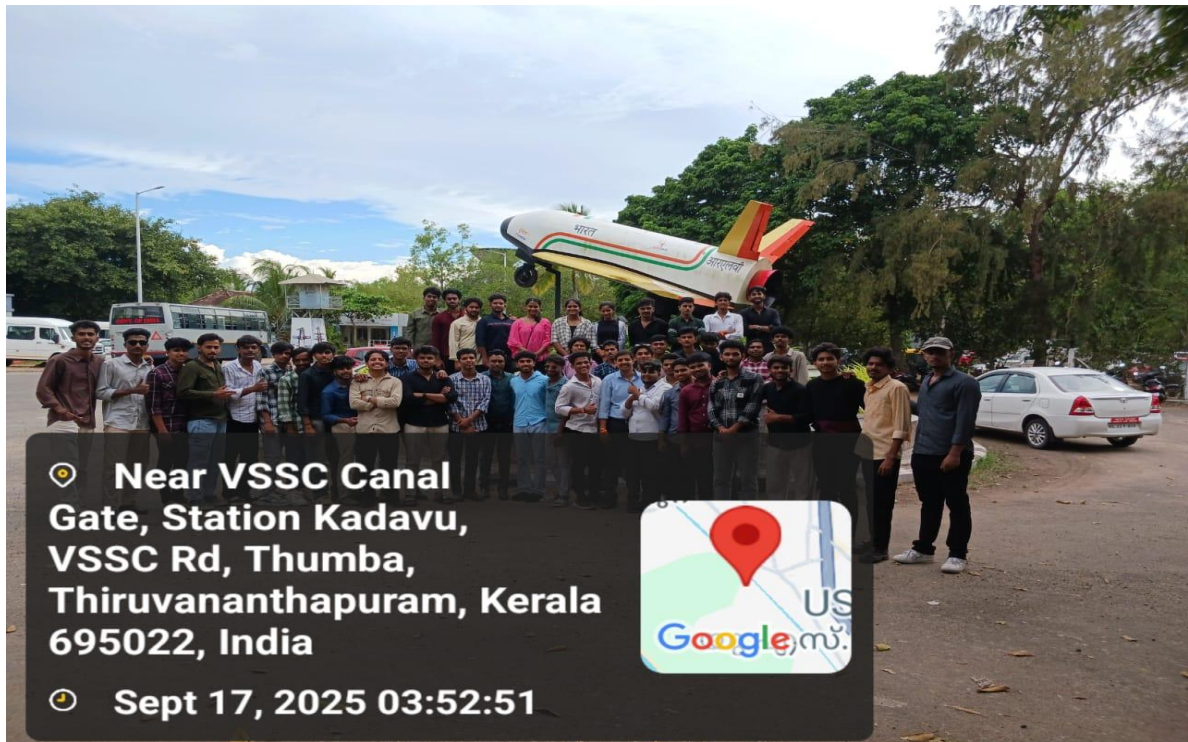
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Coordinators

HOD

Dean (Academics)

Principal



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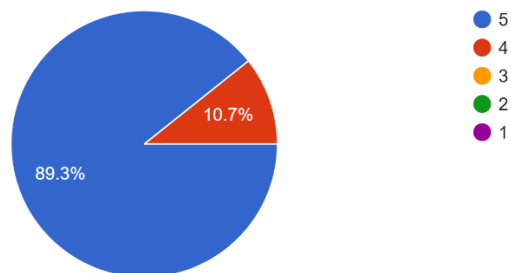
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FEEDBACK:

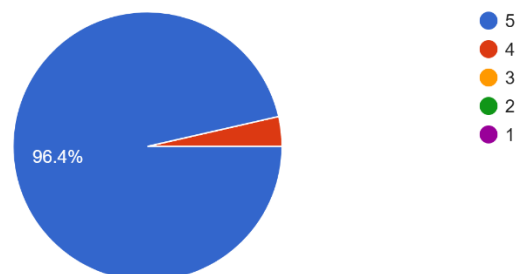
1. How useful do you think this visit was for your academic and professional growth?

28 responses



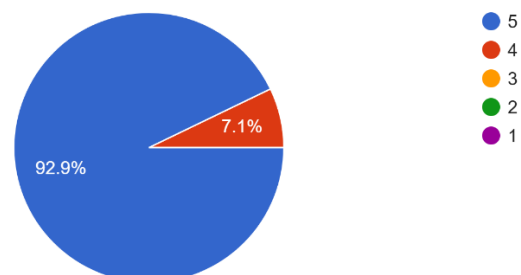
2. How effectively did the company/organization representatives explain their processes?

28 responses



3. How would you rate the coordination and support provided by the faculty?

28 responses





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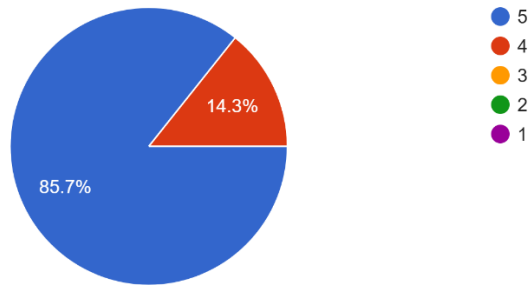
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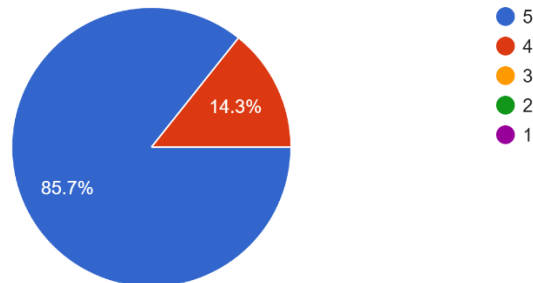
4. How engaging and interesting were the sessions at the industries?

28 responses



How would you rate your overall experience of the industrial visit?

28 responses



Coordinators

HOD

Dean (Academics)

Principal