



The Department of Physics & Electronics
GC (A), Rajahmundry
A brief Report on
Open day to School students
Conducted on 27TH Feb 2025

Date : 27/02/ 2025

Name of the Event : **Open day to School students**

No of participants : 200+

Objective : 1. **To promote scientific literacy and engagement**
2. To provide a platform for student-led scientific exploration and communication
3. To inspire future generations of scientists

Procedure :

- Welcome visiting groups and provide an overview of the program.
- Guide groups through the labs, following the schedule.
- Student presenters explain their projects/experiments.
- Student volunteers assist with demonstrations and answer questions.
- Provide opportunities for hands-on activities.

Summary of the event

The college's Open Lab Program on February 27, 2025, proved to be a resounding success, fostering scientific curiosity and knowledge sharing among students from various educational levels. The event showcased the diverse scientific projects developed by the college's science departments, providing an interactive learning experience for visiting school and college students.

Exhibition Highlights:

- **Student-Led Projects:** A multitude of science projects, spanning diverse disciplines, were presented by students from all science departments. These projects served as tangible demonstrations of theoretical concepts and practical applications.
- **Space Station Project:** Second and first-year postgraduate students captivated visiting school students with their comprehensive space station project. They delivered detailed explanations, making complex concepts accessible to a younger audience.

- **Antique Lab Exploration:** The antique lab proved to be a popular attraction, eliciting enthusiastic reactions from the visiting students.
- **Clarification of Basic Concepts:** Students actively engaged with basic electronics experiments, renewable energy resource demonstrations, and optical experiments, including spectrophotometry, travelling microscopes, and experiments showcasing reflection, diffraction, and dispersion. They also greatly enjoyed the LASER experiments. This hands-on experience helped clarify fundamental scientific principles.
- **Student Mentorship:** Undergraduate and postgraduate students played a crucial role in the program, providing valuable assistance and clearing the doubts of the visiting students.

Feedback and Outcomes:

- **Positive Feedback:** Visiting students and their teachers expressed overwhelmingly positive feedback, highlighting the engaging and informative nature of the program.
- **Clarified Doubts:** The interactive demonstrations and student mentorship effectively addressed the basic scientific queries of the visitors.
- **Time Constraints:** Some visitors noted that due to time limitations, they were unable to explore certain experiments in greater detail.
- **Future Visits:** Several students expressed a strong desire to revisit the physics laboratory during their school studies, indicating a lasting impact of the program.
- **Successful Program:** The event was deemed a success, achieving its objective of promoting scientific literacy and fostering a passion for science.

Conclusion:

The Open Lab Program successfully provided a stimulating and educational experience for visiting students. The event not only showcased the scientific talent within the college but also inspired a new generation of science enthusiasts. The feedback received indicates the program's effectiveness in demystifying scientific concepts and fostering a love for learning.



Explanation about Wind and Solar Energy to 6th and 7th Class students through mini Models



Light Experiments Explanation -by III BSc MPC Students



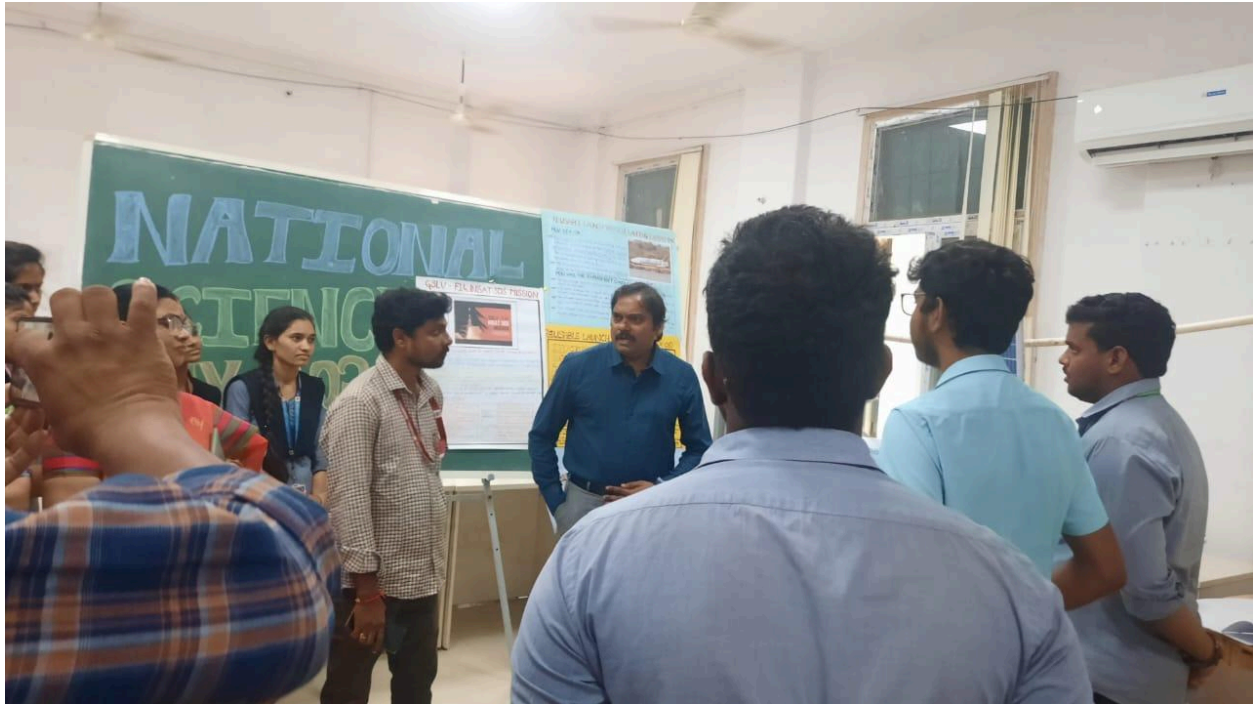


Antique Lab - Visit by 9th and 8th class students





National Space center Project monitoring by Dr Ramachandra RK





*Basic Electronics Experiments Demonstration By II BSc (H),
Electronics Students*

