



P.K.R ARTS COLLEGE FOR WOMEN
(Re-Accredited with 'A' Grade by NAAC)
Autonomous Institution-Affiliated to Bharathiar University
Gobichettipalayam-638476

Invitation



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(Autonomous)
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Gobichettipalayam

DEPARTMENT OF PHYSICS

Commemorating the remembrance day of
Dr. A.P.J Abdul Kalam

**Workshop on Solar Astronomy
and Space Science**

*Hands-on Activities, Sky Simulations & Solar Science for
Curious Minds*

FACILITATOR
Mr. A. Dakshinamurthy
Secretary, Erode Astro Club,
Executive Committee Member,
Tamil Nadu Astronomy and Science Society
(TASS)

Date:28.7.2025

Programme Sequence

Time	Session Title
10:00 - 10:15 AM	Introduction
10:15 - 10:45 AM	Sunspot Watching
10:45 - 11:15 AM	Measuring the Solar System Distance
11:15 - 11:45 AM	Crater Formation Experiment
11:45 - 12:45 PM	Finding Local Noon Using Sun Shadow
12:45 - 2:00 PM	Lunch Break
2:00 - 2:30 PM	Sun's Annual Movement & Seasons
2:30 - 3:00 PM	Exploring Night Sky through Stellarium
3:00 - 3:15 PM	How to Spot Satellites
3:15 - 3:30 PM	Constellation Art - Students Activity
3:30 - 4:00 PM	Astronomy Quiz, Q&A and Closing Session

All are invited...

Photos



Report



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DEPARTMENT OF PHYSICS
Report

Name of the Programme : Commemorating the remembrance day of Dr.A.P.J Abdul Kalam
Topic: Workshop on Solar Astronomy and Space Science
Date: 28.07.2025
Time: 10.00 to 4.00 p.m.
Venue: PG Physics Lab

Facilitator:

Mr. A. Dakshinamurthy
Secretary, Erode Astro Club,
Executive Committee Member,
Tamil Nadu Astronomy and Science Society (TASS)

Objective of the Workshop

- To create awareness among students about solar astronomy and the wonders of the universe.
- To inspire students to pursue astronomy and space science as areas of research and exploration.

Programme Highlights

The workshop began with a Welcome Address by Ms. P. Priyanka, Assistant Professor, Department of Physics, who highlighted the significance of the day and the legacy of Dr. A. P. J. Abdul Kalam. The facilitator, Mr. K. Dakshinamurthy, then initiated the workshop with an inspiring introduction to solar astronomy and its relevance to daily life and scientific research.

The workshop comprised a series of engaging activities and sessions that provided both practical exposure and interactive learning experiences for the participants. Students observed the Sun's surface features through Sunspot Watching, followed by a Solar System Distance Walk that helped them understand planetary distances using an interactive model. A Crater Formation Experiment was conducted to demonstrate the impact of meteorites on planetary surfaces, while the activity on Finding Local Noon using Sun Shadow enabled participants to measure time and orientation based on solar shadows. The concept of the Sun's Annual Movement and Seasons

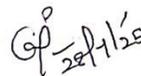
was explained to highlight the role of Earth's tilt and revolution. Participants also explored the night sky through Stellarium, a digital simulation tool that provided a realistic view of constellations and planets. They were introduced to techniques on how to Spot Satellites and engaged in Constellation Art, where they creatively represented star patterns. To further enhance learning, an Astronomy Quiz tested their knowledge of space science, and the Question & Answer Session offered an interactive platform to clarify doubts and deepen their understanding. The workshop concluded with a Vote of Thanks delivered by Dr. C. Aruljothi, Head, Department of Physics, who expressed gratitude to the facilitator, organizing team, and participants for making the event a success.

Outcome of the Workshop

- Students gained practical exposure to astronomical observations and experiments.
- The use of Stellarium and night-sky simulation enhanced visual learning and made astronomy more accessible.
- The program fostered a spirit of teamwork, creativity, and scientific inquiry among participants.

No. of Beneficiaries: 18 Students and 4 Faculties

Organizing Secretary: Dr.C.Aruljothi



Signature of the HoD with Seal
Head,
Department of Physics,
P.K.R. Arts College for Women,
Gobichettipalayam - 638 476.