



MARUDHAR KESARI JAIN COLLEGE FOR WOMEN (AUTONOMOUS)

VANIYAMBADI, TIRUPATTUR DT - 635 751

- Recognized u/s 2(f) & 12(B) of UGC Act 1956
- Permanently Affiliated to Thiruvalluvar University
- Supported by DST - FIST | DBT STAR College Scheme



PG & Research Department of Mathematics and IKS Cell

★ Organizes ★

Industrial Visit

at

VAINU BAPPU OBSERVATORY, KAVALUR



DATE
22.08.2026



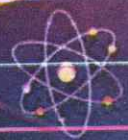
PARTICIPANTS
UG Students
of Mathematics

*Exploring the Universe,
Enriching Knowledge!*



Learning Beyond Classrooms...

★ Inspiring Discovery for a Brighter Tomorrow! ★



Principal
Sri. V. Dilip Kumar Jain
President
Vaniyambadi - 635 751
Tirupattur District

Sri. Anand Singhvi
Secretary

Dr. M. Inbavalli
Principal

Ms. N. Mahalakshmi
Head i/c



MARUDHAR KESARI JAIN

College for Women (Autonomous), Vaniyambadi



Activity Report

Topic / Subject of the Activity : Industrial Visit- Vainu Bappu Observatory, Kavalur

Supported by
DBT Star College Scheme

Objectives (Input)

- To explore the applications of Mathematics in astronomy and space research.
- To understand the functioning and applications of large telescopes and observatory facilities.
- To understand the working principles of telescopes and other astronomical instruments.
- To learn about the observation and study of celestial objects such as stars, planets, and galaxies.

Methodology (Process)

Students were briefed about the objectives of the Industrial Visit, the basic concepts of astronomy, telescope systems, and the role of Mathematics in space research. They observed the working principles of large telescopes and other astronomical instruments used for celestial observations and gained practical exposure to astronomical observations, mathematical modelling, numerical methods, and modern astronomical technologies. The session was facilitated by Mr. Surendharnath S. from the Vainu Bappu Observatory, Indian Institute of Astrophysics, Kavalur, on the topic "Astronomy, Telescopes and Applications of Mathematics in Astronomy." The visit supported SDG 4: Quality Education by enhancing students' relevant technical and scientific skills through practical exposure to astronomy and its applications.

Output

- ❖ Students acquired knowledge about the applications of Mathematics in astronomy.
- ❖ Students gained first hand exposure to the functioning of Vainu Bappu Observatory, Kavalur, and its advanced astronomical facilities.
- ❖ Students enhanced their awareness of astronomical research activities and modern scientific technologies.

Outcomes

- ✓ Students gained practical exposure to mathematical modelling of astronomical phenomena such as planetary motion, stellar behaviour, and celestial observations.
- ✓ Students understood how numerical methods are used to solve complex astronomical problems where exact analytical solutions are difficult.
- ✓ Students gained motivation to pursue higher studies and career opportunities in astronomy and research fields.

N. Malal

Head of the
Department

S. J. 2/9/2022

Dean

[Signature]
2/9/2022

DBT Star
Co-Ordinator

[Signature]
2/9/2022

IQAC Director

[Signature]
2/9/2022

Principal
PRINCIPAL

Marudhar Kesari Jain College
for Women (Autonomous)
Vaniyambadi - 635 751.
Tirupattur District

Topic: Industrial Visit- Vainu Bappu Observatory, Kavalur

Date: 22.08.2026

Organized by: PG & Research Department of Mathematics & IKS cell

Supported by
DBT Star College Scheme

Venue: Kavalur



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