



SRI SARADA COLLEGE FOR WOMEN **(Autonomous)**

Reaccredited with 'B++' Grade by NAAC
Affiliated to Periyar University
Salem - 636 016.

PG & RESEARCH DEPARTMENT OF PHYSICS

Cordially invites you to the
Intercollegiate PG Students' Seminar
on

Aryabhata to Aditya : The AI Revolution in Space



Date : 26.12.2024

Time : 10.00 a.m. to 4.00 p.m.

Venue : New Seminar Hall

INAUGURAL SESSION

Programme : 10.00 a.m. - 11.00 a.m.

Prayer

Welcome Address : **R. Vibushna**
II M.Sc. Physics

Benediction : **Yatiswari Vinayakpriya Amba**
Directress,
Sri Sarada Educational Institutions,
Salem - 636 016.

Yatiswari Guhapriya Amba
Secretary,
Sri Sarada College for Women (Autonomous),
Salem - 636 016.

Releasing the Seminar Volume in the form of CD : **Dr. R. Uma Rani,**
Principal,
Sri Sarada College for Women (Autonomous),
Salem - 636 016.

Receiving the Seminar Volume in the form of CD : **Dr. R. Hemamalini,**
Associate Professor and Head,
PG & Research Department of Physics,
Sri Sarada College for Women (Autonomous),
Salem - 636 016.

Guest Speaker : **Dr. M. Dineshkumar,**
Scientist / Engineer SF,
Control Guidance and Simulation Entity,
Vikram Sarabhai Space Centre ISRO,
Thiruvananthapuram.

Vote of Thanks : **M. Sowmiya**
II M.Sc. Physics

TECHNICAL SESSION - I

(11.15 a.m. - 1.15 p.m.)

Chairperson : **K. Vaidheeswari**, II M.Sc. Physics

Rapporteur : **S. Saranya**, II M.Sc. Physics

PAPER PRESENTATION

1. **Satellite Technology: Basics and Beyond** : **H. Afreen Fathima**
II M.Sc. Physics
2. **Aryabhata: India's First Step in Space** : **C. Gunaselvi**
II M.Sc. Physics
3. **Bhaskara: India First Foray into
Satellite Technology** : **A. Indumathi**
II M.Sc. Physics
4. **INSAT Unveiled: Navigating the Future
of Satellite Communication** : **M. Kanishka**
II M.Sc. Physics
5. **Rohini: The Rising Star of Indian Space
Program** : **J. Janani**
II M.Sc. Physics
6. **Connecting the Unconnected: Apple Satellite
Initiative** : **M. Jayashree**
II M.Sc. Physics
7. **India's Eye in the Sky : Indian Remote
Sensing Satellite** : **S. Kopika**
II M.Sc. Physics
8. **PSLV : The Flagship of ISRO** : **R. Vibushna**
II M.Sc. Physics
9. **The Clockwork of the Sky: Understanding
Geosynchronous Satellite** : **K. Mahalakshmi**
II M.Sc. Physics
10. **Weather Watch: The Kalpana - 1 Legacy** : **S. Mythili**
II M.Sc. Physics

Lunch Break : 1.15 p.m. - 2.00 p.m.

TECHNICAL SESSION - II

(2.00 p.m. - 4.00 p.m.)

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| 11. EDUSAT: Bridging the World with Education from Space | : A. Pynguzhali
II M.Sc. Physics |
| 12. India's Geo-Spatial Sentinel: Cartosat | : V. Sindhuja
II M.Sc. Physics |
| 13. Mangalyaan: Exploring the Red Planet | : M. Viswabarathi
II M.Sc. Physics |
| 14. ASTROSAT : Unlocking the Secrets of the Universe | : I. Sree Dharsini
II M.Sc. Physics |
| 15. Chandrayaan-1: First Planetary Science Mission to the Moon | : M. Sowmiya
II M.Sc. Physics |
| 16. Chandrayaan-2: India's Ambitious Second Lunar Exploration Mission | : P. Swetha
II M.Sc. Physics |
| 17. Chandrayaan-3: India's Triumphant Journey to the Moon's South Pole | : K. Valdheeswari
II M.Sc. Physics |
| 18. Aditya L1-AI Driven Solar Research of Discovery | : S. Saranya
II M.Sc. Physics |

NPTEL VIDEO SHOW ON : SATELLITE DESIGNING

OUTCOME - The participants will get insights into

- ✿ The evolution of Indian satellites, from Aryabhata's foundational role to Aditya's cutting-edge solar research.

VALEDICTORY FUNCTION

Rapporteur's Report

Vote of Thanks

COLLEGE SONG