

## TECHNICAL SESSION - II

(2.00 p.m. to 3.30 p.m.)

Chairperson : S.K. Eswari, II M.Sc. Mathematics

Rapporteur : J. Sandhiya, II M.Sc. Mathematics

### PAPER PRESENTATION

13. Social Media Influence on Gender Equality: A Multivariate Approach : **M. Nandhini**  
II M.Sc. Mathematics
14. Modeling the Productivity Gains from Gender Equality in Agriculture : **S. Teena**  
II M.Sc. Mathematics
15. Fuzzy Soft Evaluation of Early Childhood Gender Equality : **J. Abinaya**  
II M.Sc. Mathematics
16. Modeling the Effect of Gender Equality and Job Stress on Turnover Intention : **P. Gayathri**  
II M.Sc. Mathematics
17. Modeling Gender Equality in Workplaces for Pay Equity : **R. Sridevi**  
II M.Sc. Mathematics
18. A Multi-Variable Regression Model for Gender Equality in Sports : **S. Kaviya**  
II M.Sc. Mathematics
19. Evolution of Surname Distribution Under Gender Equality Measures : **G. Sowmiya**  
II M.Sc. Mathematics
20. A Mathematical Model of Gender Equality Progress in the Indian Armed Forces : **S. Nikitha & R. Prathakshana**  
II M.Sc. Mathematics

**OUTCOMES** - The participants get insights into :

- ✿ Developing critical thinking skills, analyzing and addressing gender equality issues.
- ✿ Understanding the role of mathematics in addressing gender equality.

**NPTEL video on Gender Equality**

**VALEDICTORY FUNCTION - 3.30 p.m.**

**Presentation of Rapporteurs' Report**

**Vote of Thanks**

**COLLEGE SONG**



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

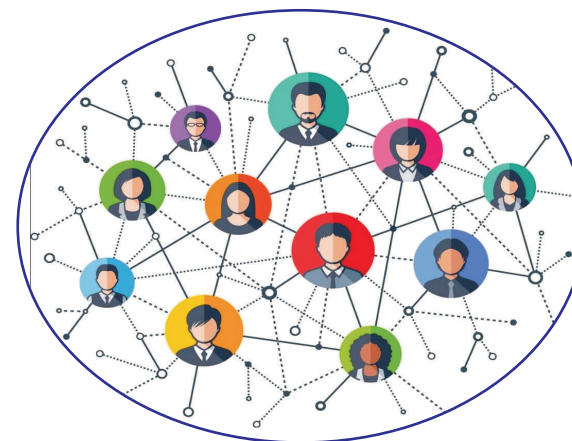


Reaccredited with 'B++' Grade by NAAC  
(Affiliated to Periyar University)  
Salem - 16

## PG & Research Department of Mathematics

*Cordially invites you for the Intercollegiate  
PG Students' Seminar  
on*

## Mathematical Perspectives on Gender Equality in Modern Society



**Date : 19.12.2025**

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

**Venue : New Seminar Hall**

## Programme

### INAUGURAL SESSION (10.00 a.m. to 11.00 a.m.)

#### Prayer

**Welcome Address** : **T. Kaviya**  
II M.Sc. Mathematics

**Benediction** : **Yatiswari Vinayakapriya Amba**  
Directress,  
Sri Sarada Educational Institutions,  
Salem - 16.  
**Yatiswari Guhapriya Amba**  
Secretary,  
Sri Sarada College for Women (Autonomous),  
Salem - 16.

**Releasing the Seminar Volume CD** : **Dr. S.S. Gomathi**, M.Sc., M.Phil., Ph.D.  
Principal,  
Sri Sarada College for Women (Autonomous),  
Salem - 16.

**Receiving the Seminar Volume CD** : **Dr. M. Sudha**, M.Sc., M.Phil., Ph.D.  
HoD & Associate Professor,  
PG & Research Department of Mathematics,  
Sri Sarada College for Women (Autonomous),  
Salem - 16.

**Guest Speaker (Online)** : **Dr. V. Visalakshi**, M.Sc., M.Phil., Ph.D.  
Assistant Professor,  
Department of Mathematics,  
C. Kandaswami Naidu College for Women,  
Cuddalore - 607001.

**Vote of Thanks** : **G. Vaishnavi**  
II M.Sc. Mathematics

## TECHNICAL SESSION - I

(11.00 a.m. to 1.15 p.m.)

**Chairperson** : **S. Kaviya**, II M.Sc. Mathematics

**Rapporteur** : **M. Nandhini**, II M.Sc. Mathematics

### PAPER PRESENTATION

1. Development of Computational Thinking through STEM Activities for the Promotion of Gender Equality : **G. Vaishnavi**  
II M.Sc. Mathematics
2. Enhancing Gender Equality in Machine Learning Optimal Discrimination-Aware Decision Trees using Integer Optimization : **J. Sandhiya**  
II M.Sc. Mathematics
3. Modeling Gender Differences in Participation in Ph.D Mathematics Studies : **P. Lavanya**  
II M.Sc. Mathematics
4. Evaluating Gender Equality in Tertiary Education in some Universities : **R. Subha**  
II M.Sc. Mathematics
5. Quantitative Assessment of Gender Equity Strategies in Universities : **S.K. Eswari**  
II M.Sc. Mathematics
6. Cooperative Learning for a More Sustainable Education: Gender Equity in the Learning of Mathematics : **E. Divyabharathi**  
II M.Sc. Mathematics
7. A Model of Differential Equations to Measure Mean Differences by Gender with respect to Attitude towards Mathematics : **T. Kaviya**  
II M.Sc. Mathematics
8. Patterns in Authorship Gender and Collaboration A Temporal Scientific Network : **P. Sulochana**  
II M.Sc. Mathematics
9. Gender Equality: Opportunities and Challenges for the Operations Research Discipline : **S. Santhiya**  
II M.Sc. Mathematics
10. Gender Differences in Mathematics Achievement: An International Study : **P. Ranjini**  
II M.Sc. Mathematics
11. ICT Performance Score Evaluation for Gender Equality : **J. Neethimathi**  
II M.Sc. Mathematics
12. A Mathematical Study of Gender Equality and Food Sustainability : **S. Monisha**  
II M.Sc. Mathematics

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