

TECHNICAL SESSION - II

(2.00 p.m. - 3.30 p.m.)

Chairperson : S. Lakshmi Priya, III B.Sc. Statistics

Rapporteur : P. Indhumathi, III B.Sc. Statistics

9. Forecasting Climate Change Variables using Regression Analysis : Kowsalya.N & Kamali.S
III B.Sc. Statistics
10. Application of Stochastic Processes in Climate Change Forecasting : Indhumathi.P & Jaisree.V
III B.Sc. Statistics
11. Statistical Analysis of Greenhouse Gas Emissions : Poornitha.S & Kavipriya.M
III B.Sc. Statistics
12. Trend Analysis of Climate Variables and Agricultural Productivity : Madhumisha.S & Sheela.A
III B.Sc. Statistics
13. Machine Learning Applications in Climate Prediction : Nikitha.M & Nithiya Sri.S
III B.Sc. Statistics
14. Statistical Decision Making for Climate Change Adaptation and Policy : Krithika.P & Harini.S
III B.Sc. Statistics

OUTCOME : On Completion of the seminar, students will be able to:

- + Understand the role of Statistics in analysing climate change and climate variability.
- + Apply statistical methods for analysing, modelling and forecasting climate data.
- + Understand the use of AI and Machine Learning in climate prediction and risk assessment.
- + Recognize the importance of statistical and AI-based approaches in climate-change adaptation and decision-making.

NPTEL Videos: Statistical Impacts on Climate Change

VALEDICTORY FUNCTION - 3.30 p.m.

Rapporteur's Report

Vote of Thanks

COLLEGE SONG



SRI SARADA COLLEGE FOR WOMEN

(Autonomous)

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

Department of Statistics

UG Students' Seminar on

Statistics and Artificial Intelligence for Climate Change: From Data to Decisions



Date : 27.08.2026

Venue : Sister Nivedita Auditorium

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

Programme

Inaugural Session (10.00 a.m. - 11.00 a.m.)

Prayer

Welcome Address : M. Lathika, III B.Sc. Statistics

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

Receiving the Seminar CD : Mrs. N. Padmapriya, M.Sc., CSIR - NET,
Head & Assistant Professor,
Department of Statistics,
Sri Sarada College for Women (Autonomous),
Salem - 16.

Keynote Address : Dr. N.B. Arunekumar,
Head – Training and Evaluation, Assistant Professor,
Department of AI & DS, Sri Shanmugha College of
Engineering and Technology (Autonomous),
Sankari (T.K.), Salem District – 637 304.

Vote of Thanks : S. Poornitha, III B.Sc. Statistics

TECHNICAL SESSION - I (11.00 a.m. - 1.15 p.m.)

Chairperson : S. Keerthana, III B.Sc. Statistics

Rapporteur : S. Priyadharshini, III B.Sc. Statistics

PAPER PRESENTATION

- 1. Role of Statistics in Climate Change and it's Importance :** Keerthana.S & Sakthi.J
III B.Sc. Statistics
- 2. Descriptive Analysis in Climate Change :** Vidhuladevi.M & Naveena.V
III B.Sc. Statistics
- 3. Data Visualization Techniques for Climate Change Studies :** Divya.P & Santhiya.P
III B.Sc. Statistics
- 4. Statistical Analysis of Rainfall Variability : Case Studies :** Malini.R & Karthica.M
III B.Sc. Statistics
- 5. Time Series Analysis of Climate Change Studies :** Kesavarthini.S & Megasri.S
III B.Sc. Statistics
- 6. Regression Models in Climate Change Research :** Lakshmi Priya.R & Malarvizhi.K
III B.Sc. Statistics
- 7. El Niño and Indian Rainfall Variability :** Priyadharshini.S & Pooranishree.E
III B.Sc. Statistics
- 8. Probability Models for Extreme Weather Events :** Lathika.M & Reena.P
III B.Sc. Statistics

Lunch Break (1.15 p.m. - 2.00 p.m.)