

5 - Day Online Faculty Development Programme

Resource Person



Dr. Gautam Bandyopadhyay
Ex Professor, NIT Durgapur

Key Highlights

Day 1	Day 2
S1 Introduction of Statistics	S1 Introduction of Probability
S2 Concept of Scaling	S2 Introduction of Probability Distribution
S3 Introduction of SPSS	S3 Inference I
S4 Concept of OL AP	S4 Application of parametric Testing
Day 3	Day4
S1 Introduction of Jamovi	S1 Introduction to R Studio
S2 Application of Anova	S2 Introduction of Bivariate and Multivariate Analysis
S3 inference li	S3 introduction of Simple Regression, Multiple Regression
S4 Applcation of Nonparametric Test	S4 Non Linear Regression
Day5	
S1 Application of Feature Selection using different regression techniques	
S2 Application of Amos for validation of Regression techniques	
S3 Application of Smart pls Regression	
S4 Application of non Parametric Regression	

IMPORTANT DATES

Registration Closes: 27th June 2025
Workshop dates: 30th June - 4th July 2025



5-Day Online Faculty Development Programme on “All you Need to Know about Regression Analysis” 30th June - 4th July 2025

Organized by:
Department of Management Studies
National Institute of Technology
Durgapur, West Bengal, India-713209



Patron
Prof. Arvind Choubey
Director, NIT Durgapur

Convener
Dr. Amlan Ghosh
HOD,DMS

Coordinators
Dr. Umamaheswararao Jada
Dr. Ujjwal Kanti Paul



ABOUT HOST

The National Institute of Technology, Durgapur (formerly Regional Engineering College, Durgapur), was established by an Act of Parliament in 1960. It is consistently ranked as one of the eight such colleges aimed to function as a pace setter for engineering education in the country and to foster national integration. The Institute is a University which awards B.Tech., M.C.A., M.Sc., M.B.A., M.Tech. and Ph.D. degrees to students after their successful completion of the specified courses. The departments have a liaison with reputed industries and R&D organizations.

Objectives

- **Understand Regression Fundamentals:** To equip participants with a thorough understanding of the core concepts, types, and assumptions of regression analysis.
- **Develop Analytical Skills:** To enable faculty members to apply regression techniques to real-world datasets using statistical tools and software.
- **Interpret and Evaluate Models:** To teach participants how to assess model accuracy, diagnose potential issues, and interpret regression outputs effectively.
- **Enhance Research Methodologies:** To empower educators and researchers to incorporate regression analysis into their research designs for more robust and data-driven insights.
- **Foster Practical Application:** To provide hands-on experience and practical strategies for using regression analysis in academic projects, publications, and teaching practices.

Key Highlights

Foundational Concepts
Hands-on Practice using R, Jamovi, Smart PLS and SPSS
Advanced Techniques like Multiple Regression, Logistic Regression
Interpretation & Reporting
Expert-led Sessions
Collaborative Learning



REGISTRATION

- **Group Registration:** Rs 1000 per participant (3 or more participants from the same institute until 27th June 2025)
- **Early Bird:** Rs. 1200 (Until 10th June 2025)
- **Regular Registration:** Rs. 1500 (Until 27th June 2025)

Mode of Registration: Programme fees must be credited directly to the “CEP NIT DURGAPUR” **Account. No. 37850318679**, STATE BANK OF INDIA, NIT CAMPUS , **IFSC Code : SBIN0002108**.

Please fill in the google form after making the payment:

<https://forms.gle/VbUQQFPXk6g3cFG68>

Note:

- All the registered participants will be provided **Hard Copy** of the Certificate via Post Within 45 Days.
- Payment once made cannot be refunded under any circumstances



Contact Us:

For any inquiries or assistance, please email us at fdpdms.nitdgp@gmail.com or call +91-9136025500/ 9434789092