



# National Institute of Technology Durgapur

(An Institute of National Importance under the Ministry of Education, Government of India)



## Department of Management Studies

Organizes

## Workshop on Research Methodology

# 21<sup>th</sup> December 2025

### About the Workshop:

This workshop will enrich the participants with an understanding of the applications of Statistical Analysis using ML techniques. This aims to enrich the foundational understanding of the research methodology, equipping the researcher in the domain of social science and management.

### Why to Attend:

Enhance your research methodology skills with practical exposure and expert guidance. Build a strong foundation in statistical and analytical methods using Hands-on skills.

### Topics to be Covered:

- Descriptive Statistics: Data Types, Summarization, Correlation
- Probability & Sampling: Inference, Sampling, Central Limit Theorem
- Estimation & Hypothesis Testing: Estimators, p-value testing
- Predictive Analytics using classical Machine Learning techniques: Linear & Logistic Regression, Classification Trees

### Resource Persons:

Prof. Tathagata Bandyopadhyay  
Former Professor of Statistics  
IIM Ahmedabad  
&  
Director General  
Dhirubhai Ambani University  
Gujarat, India

Prof. Gautam Bandyopadhyay  
Former Professor of Statistics & OR  
Department of Management Studies  
NIT Durgapur, West Bengal, India

Dr. Surupa Chakraborty Roy  
Professor of Statistics  
St Xavier's College (Autonomous), Kolkata,  
India

### Submission Link & QR



### Workshop Fees:

○ Fees Rs. 1000/-

*\*Fees include Tea, Lunch, and High Tea.*

Account No: 37850318679

IFSC: SBIN0002108

Branch: SBI, NIT Durgapur Campus

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