



गणित विभाग  
राष्ट्रीय प्रौद्योगिकी संस्थान जमशेदपुर  
DEPARTMENT OF MATHEMATICS  
NATIONAL INSTITUTE OF TECHNOLOGY JAMSHEDPUR



ORGANIZES

 <https://mpp-2025.github.io>

# MPP-2025 || WORKSHOP ON MATLAB AND PYTHON PROGRAMMING

MAY 19-23, 2025 (ONLINE / VIRTUAL MODE)

## REGISTRATION DETAILS

**Registration Fee: ₹ 500**

To register in MPP-2025, scan the following QR Code or use the link:  
<https://mpp-2025.github.io/registration.html>



Please read the instructions carefully before registering. Registration Fee has to be paid through direct fund transfer to the following bank account within due date (April 30, 2025).

Bank	STATE BANK OF INDIA
Account Name	RESEARCH AND CONSULTANCY NIT JAMSHEDPUR
Account No	38246478714
IFSC	SBIN0001882
Branch	NIT JAMSHEDPUR

## RESOURCE PERSONS (TENTATIVE)

- Prof. A. Swaminathan, IIT Roorkee.
- Dr. Ratikanta Behera, IISc Bangalore.
- Dr. Mahendra Kumar Gupta, IIT Bhubaneswar.
- Dr. Pushpendra Kumar, MANIT Bhopal.
- Dr. Rakesh Kumar Meena, JNU, New Delhi.
- Dr. Saikat Das, IIT Madras.
- Dr. Vikas Srivastava, IIT Madras.
- Dr. Indira P. Tripathi, S. V. NIT Surat.
- Dr. Rajat Kaushik, RIE, NCERT, Bhopal.
- Dr. Birendra Singh, AIMT, Lucknow.

## COURSE CONTENTS (BUT NOT LIMITED TO)

### MATLAB:

Basic operations, Handling Variables, Data Format, Expressions and Matrices, Conditional / Logical Statements, Execution Control, Loops, Writing Functions, Finite and Infinite Sums, Derivatives, Antiderivatives, Integrals, Analytical and Numerical Solutions of ODE's, Data Input / Output in Various Format, 2D and 3D Plotting, Modifying plots using property editor, Automating Plots, Prediction using Machine Learning with the Help of MATLAB Toolbox.

### PYTHON:

Basic Operations, Handling Variables, Data Types, Expressions, Conditional / Logical Statements, Control Statements, Operators, String Operations, Input / Out statements, Loops, Writing Functions, Basic Libraries (Math, Complex, NumPy, Matplotlib and SymPy).

**For Any Query, Feel Free to CONTACT:** Dr. Sourav Das, Coordinator, MPP-2025

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 [souravdas.math@nitjsr.ac.in](mailto:souravdas.math@nitjsr.ac.in)

# INSTRUCTIONS FOR REGISTRATION

Please read the following instructions carefully before submitting Online Registration Form.

- Registration is compulsory to participate in MPP-2025.
- Mention "MPP-2025" as purpose / reason during online transfer of the registration fee.
- Registration Fee is NON-REFUNDABLE.
- Registration fee covers participation in the sessions of MPP-2025. E-Certificate will be provided after successful participation in MPP-2025.
- Last date of registration is APRIL 30, 2025.
- Partial payment of registration fee is not accepted and money paid in excess will not be refunded.
- It is mandatory to pay Registration Fee, except Internal faculty members of NIT Jamshedpur. Registration Fee has to be paid through direct fund transfer to mentioned bank account within due date.
- For further information, please feel free to contact the course coordinator (souravdas.math@nitjsr.ac.in).

## ORGANIZING COMMITTEE

### PATRON:

- Prof. Goutam Sutradhar, Director, NIT Jamshedpur.

### CHAIRPERSON:

- Dr. Raj Nandkeolyar, Head, Department of Mathematics, NIT Jamshedpur.

### COORDINATOR:

- Dr. Sourav Das, Department of Mathematics, NIT Jamshedpur.

### CONVENERS:

- Dr. Sumit Kumar Debnath, Department of Mathematics, NIT Jamshedpur.
- Dr. Subha Sarkar, Department of Mathematics, NIT Jamshedpur.

### MEMBERS:

- Prof. Ramayan Singh, Department of Mathematics, NIT Jamshedpur.
- Dr. Sunil Kumar, Department of Mathematics, NIT Jamshedpur.
- Dr. Shakti Prasad, Department of Mathematics, NIT Jamshedpur.
- Dr. Ratnesh Kumar Mishra, Department of Mathematics, NIT Jamshedpur.
- Dr. Snehasis Kundu, Department of Mathematics, NIT Jamshedpur.
- Dr. Rajat Tripathi, Department of Mathematics, NIT Jamshedpur.
- Dr. Hari Shankar Prasad, Department of Mathematics, NIT Jamshedpur.
- Dr. Samiran Chakraborty, Department of Mathematics, NIT Jamshedpur.
- Dr. Y. Ramu Naidu, Department of Mathematics, NIT Jamshedpur.