

Joint Online Faculty Development Programme

Scientific Computations and GUI Development using MATLAB

Mar 21 – Apr 01, 2022

Organized by

MNIT Jaipur, NIT Patna and PDPM IIITDM Jabalpur



Course Contents

- Introduction to MATLAB User Interface
- Basic Operations, Using MATLAB as Calculator
- Handling Variables, Data Format, Expressions and Matrices
- Conditional/logical Statement, Execution Control, Loops,
- Writing Functions, Data Input/Output in Various Format
- 2D Plotting Visualization Using MATLAB, 3D Plots
- Modifying plots using property editor, Automating Plots
- Building Graphical User Interface (GUI)
- Polynomials, Curve fitting and interpolations
- Debugging and Troubleshooting programs
- Development Tools and Programming Techniques, Symbolic Math
- Building GUI's with tool bars, Sliders, Toggle buttons, Radio button
- MATLAB Applications demonstration
- Generating Executable Files and Stand Alone Applications

Speakers

- Dr. Pulak Mohan Pandey, IIT Delhi
- Dr. Prashant K. Jain, IIITDM Jabalpur
- Dr. Pavan K. Kankar, IIT Indore
- Dr. Amit Singh, MNIT Jaipur
- Dr. Mohammad Taufik, MANIT Bhopal
- Dr. Narendra Kumar, NIT Jalandhar
- Dr. R B Pachori, Professor, IIT Indore

Venue and Time

Workshop will be conducted online using Zoom platform daily four hours in two sessions from 3:30pm onwards

Joint Principal Coordinator

Dr. Bharat Gupta, NIT Patna
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Programme Features

- Course will be beneficial to beginners of MATLAB as well as practitioners of different domain
- Teaching methodology will be adopted in such a manner so that all can cope up even those who do not possess any prior knowledge of programming
- All participants can use MATLAB Software ONLINE or download trial version

Registration Details

Registration link – Please fill out registration using the following link

<https://forms.gle/KtDpCFDPdpUrzap2A>

Registration fee

Indian Participants –

Academic (student/faculty): 500 INR

Industry Participants and Others : 1000 INR

Foreign Participants –

SAARC/African countries

Academic (student/faculty): - Rs. 500/-

Others - Rs. 1000/-

Rest of the countries

Fee - US\$ 60 or British £ 50

Last Date for Registration : February 15, 2022

Online payment details

Beneficiary Name : NIT Patna

Bank Name: **Indian Bank/Allahabad Bank**

A/C No. : 50380476798

IFSC Code: IDIB000B810

Contact Us

Contact Us :

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