

Dear Sir/Madam,

We are pleased to inform you that the National Institute of Technology Durgapur is going to conduct TEQIP III sponsored five days short term course on "**Matlab and Simulink for Technical Computing (MSTC 2018)**" from January 15–19, 2018 under Mechanical Engineering Department at NIT Durgapur. We cordially invite you to participate the training program. The detail information regarding the short term course is given below.

Title of the Programme: Matlab and Simulink for Technical Computing (MSTC 2018)

Duration of the Programme (dates): 05 days, 15 -19 January, 2018

Organized by (Dept.): Mechanical Engineering Department

Registration fees:

- For Faculty/ Industry person/Staff member: Registration fee: Rs.4000/- (Four Thousand only)
- For Ph.D./M.Tech./B.Tech student (regular): Registration fee: Rs.1500/- (One Thousand Five Hundred only)

Brief Theme of the Programme: Please see Annexure-I (below)

Chairman of the Committee:

- i) Prof. A. N. Mallick, HOD, Department of Mechanical Engineering
- ii) Dr. A. K. Banik, Civil Engg. Dept.

Organizing Secretaries:

- i) Dr. N. B. Hui, Associate Professor, Department of Mechanical Engineering,
Email: nirmalhui@gmail.com, Mobile: 9434788117
- ii) Dr. R. K. Mitra, Assistant Professor, Department of Mechanical Engineering,
Email: rkmitra.me@gmail.com, Mobile: 9434788148

Members:

Prof. M.C. Majumder	Dr. A. K. Pramanick
Dr. B. Halder	Dr. S. Pramanik
Dr. I. Basak	Dr. R. N. Barman
Prof. A. K. Saha	Dr. S. S. Roy
Prof. N. Banerjee	Dr. K. Khan
Dr. S. Mukhopadhyay	Dr. S. Karmakar
Dr. A. K. Biswas	Mr. A. K. Das
Mr. A. K. Mitra	Dr. B. Bera
Dr. A. K. Layek	Mr. A. Patari
Dr. A. B. Puri	Mr. J. Dey
Dr. S. C. Rana	

Resource Persons (tentative): Please see Annexure-II

Registration form: Please see Annexure-III

ANNEXURE-I

BROAD OBJECTIVES

MATLAB is a high-level technical computing language and interactive environment for algorithm development, data visualization, data analysis, and numerical computation. MATLAB can be used to solve technical computing problems faster than with traditional programming languages. It can be used in a wide range of applications, including signal and image processing, communications, control design, test and measurement, financial modeling and analysis and many more. Add-on toolboxes extend the MATLAB environment to solve particular classes of problems in these application areas. MATLAB provides a number of features for documenting and sharing work. This course is intended for beginners and those looking for a review. No prior programming experience or knowledge of MATLAB is assumed, and the course is structured to allow thorough assimilation of ideas through hands-on examples and exercises.

THEME AREAS OF WORKSHOP

- Basic features and Commands of MATLAB
- Basic features of Simulink
- Simmechanics, Simpowersystems, Simhydraulics
- Hands on Examples.

WHO MAY BENEFIT

Faculty, Scientists, Research scholars and P.G. students from academic institutes, would benefit from the proposed course. However, presently this course is meant for **NIT Durgapur students** (UG, PG and Research Scholars) only. This course would provide an excellent opportunity for the students to interact with each another and discuss problems and solutions of mutual interest. At the end of the course, the participants may be in a position to deal with appropriate problem and methodologies for their specific conditions.

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ANNEXURE-II

Resource Persons (tentative):

- Dr. Rudra Pratap, Professor, Dept. of Mechanical Engineering, IISC Bangalore
- Dr. Anish Choudhury, HP, Bangalore
- Dr. Atul Krishna Banik, Associate Professor, Ex-HOD, Dept. of CE, NIT Durgapur
- Dr. Sumit Mukhopadhyay, Associate Professor, Dept. of ME, NIT Durgapur
- Prof. Nilotpall Banerjee, Professor, Dept. of ME, NIT Durgapur
- Dr. Nirmal Baran Hui, Associate Professor, Dept. of ME, NIT Durgapur
- Dr. Ranajan Kumar Mitra, Assistant Professor, Dept. of ME, NIT Durgapur
- Representative from the developer of Matlab and Simulink

This is truly an in-house course. Prof. Pratap is the only author of a text book on Matlab in India and is highly popular in all over the world. Therefore, Prof. Pratap will add a new flavor to this course through his inaugural lecture. Moreover, developer of the Matlab software, Mathworks has promised to send some representative to interact and deliver a lecture in this course and explore the job opportunities at Mathworks.

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ANNEXURE-III

REGISTRATION FORM

TEQIP-III Sponsored Five-day short-term course on Matlab and Simulink for Technical Computing (MSTC 2018)

**Organized by
Mechanical Engineering Department, National Institute of Technology,
M.G. Avenue, Durgapur – 713209,
West Bengal, India**

1. Name:
2. Designation & Affiliation:
3. Male/Female:
4. Mailing Address:
5. Telephone No. : _____ Mobile No.:
6. E-mail ID:
7. Payment of Registration Fees: Payments can be made by
 - a) Cash payment at registration desk on 15th January 2018 from 8:30AM.
 - b) Bank Transfer/Online Transaction: Account Name: MSTC2018, Account Number: 8569101003049, Bank Name: CANARA BANK, R.E COLLEGE, DURGAPUR BRANCH, IFSC Code: CNRB0008569, MICR Code: 713015203 (please indicate your first and last name on the payment). Transaction No: _____, Date: _____
 - c) Demand Draft: Should be drawn in favour of "MSTC2018", payable at Durgapur. Demand Draft No. _____, Date: _____
9. Vegetarian / Non-Vegetarian:
N.B.: Photocopy of this form may also be used for registration.

Place: _____

Date: _____

Signature of the Applicant

Signature and Seal of the Head of the
Department/Institute/Dean

- N. B. (i) For regular students only photo ID proof is required.**
(ii) Participants are requested to confirm their participation beforehand through email (rkmitra.me@gmail.com or nirmalhui@gmail.com) as the number of seats is limited.