

REGISTRATION FORM

Five Day Onsite Workshop On

Mathematical Modelling and System
Level Designing,
22- 26 July, 2019

Name: _____

Designation: _____

Organization: _____

Mailing Address: _____

Telephone: _____

Fax: _____

Email: _____

Registration fee Details

Amount: _____

Mode of Payment: _____

Date: _____ Signature of Applicant

I hereby forward and recommend the above
applicant for attending the workshop on
“*Mathematical Modelling and System Level
Designing*”, 22-26 July, 2019.

Signature of
Head of Institute with seal.

Patron

Prof. (Dr.) Goutam Sutradhar
Director, NIT Manipur

Coordinator

Dr. S. Surendra Singh
Dr. Sunil Panday

Advisory Members

Dr. Y. Rohen Singh
Dr. S. Ibetombi Devi
Dr. Sh. Lenin Singh
Dr. Anil Kumar Birru
Dr. C. C. Malakar
Dr. Mithun Roy
Dr. L. Herojit Singh
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FIVE DAY

Onsite Workshop On

Mathematical Modelling and System
Level Designing

22- 26 July, 2019



Sponsored by:

Technical Education Quality
Improvement Programme – III

Organized by

Department Of Mathematics and
National Institute of Technology Manipur,
Imphal-795004 India

ABOUT THE INSTITUTE

National Institute of Technology Manipur, a centrally funded institution is set up to impart quality technical education at various levels of higher learning. It is one of the ten new NITs established and developed as Institute of National Importance by an act of Parliament. NIT Manipur started its first session with the three branches of Engineering-Electrical & Electronics Engineering, Electronics & Communication Engineering and Computer Science Engineering. The functioning of the institute was started at its temporary Campus at Takyelpat, Imphal under the mentorship of NIT, Agartala. The Institute has acquired 138.2 hectares of land in the lush green areas of Langol, Imphal and started its functioning at its permanent campus since 2014. This Institute now has five branches of Engineering viz CSE, EEE, ECE, Civil, Mechanical and Basic Sciences and Humanities Department and open courses on B. Tech., M. Tech., M. Sc. and Ph. D.

ABOUT THE DEPARTMENT

The Department of Mathematics and Computing came into existence in the year 2014. The department has qualified and devoted faculty members with specializations in pure and applied mathematics. Presently the department offers M. Sc. and Ph. D. program. M.Sc program offers Mathematics and computing.

ABOUT THE IMPHAL CITY

Imphal is the capital of Manipur, a state in the north eastern India. It is one of the loveliest spots in the different cultures, sports and good climate. It is the center of all cultural, commercial and political activities of the state. On the Imphal River, Kangla Fort was once the seat of local rulers and now houses relics. On the south side of the centuries old pologround, Manipur State Museum has displays including tribal artifacts and a large royal boat. Next to the former Royal Palace, Shri Shri Govindaji Temple has twin domes, a large hall and shrines to Hindu gods

ABOUT THE WORKSHOP

OBJECTIVE

The goal of the workshop is to introduce Mathematica to the audience through not only talks but also using Mathematica as a platform for hands on Sessions. The approach will nudge the users into realm of Mathematica computation and application. At the end of this Workshop participants will have a solid understanding of functional programming, symbolic and numeric computation, cost of simulation, understanding the difference between good and bad codes, parallel computation, controlling codes for desired outputs and 2D/3D dynamic visualization.

COURSE CONTENT

1. Introduction to Wolfram Mathematica
2. Rules of writing codes, multiple programming paradigm, procedural, functional, recursive, rule based, condition, pattern and string based,
3. Symbolic and numeric computation, matrices, sparse matrix, linear and non-linear algebra, equation solving, optimization, interpolation, regression analysis,
4. Solve differential equations and Partial differential equation
5. Create mathematical model
6. Image and signal processing

7. Connection technologies, C, java, .net, wolfram workbench, database link, web services link.

TARGET PARTICIPANTS

- M.Sc. students, research scholars and faculty members from educational institutions are welcome.
- Payment should be made only after the initial confirmation
- The total intake: 40
- Limited accommodation may be arrange for outstation participants on payment basis and first come first serve.

REGISTRATION DETAILS

Reg. Fee: Rs. 300/-

Dead Lines:

- Receipt of Application: 17.07.19
- Confirmation: 18.07.19
- Registration Fee payment: 18.07.19
- On spot registration may be avail for outstation participants.
- No TA/DA will be paid for participants.

Experts

Experts are certified wolfram instructors from Wolfram Mathematica.