

ANNOUNCEMENT

A TEQIP-II sponsored

Short-Term Course

On

MATLAB and LaTeX:

**Simulation with Documentation
(SIMDOC-2014)**

“A view through eyes of researchers”

Date: 30th June, 2014 – 5th July, 2014



Organized by

**Department of Computer Science & Engineering
Motilal Nehru National Institute of Technology
Allahabad
Allahabad-211004, Uttar Pradesh, India**

THE INSTITUTE

Motilal Nehru National Institute of Technology (MNNIT) Allahabad is one of the premier National Institute of Technology (NIT) in India. It is committed to achieve quality and excellence in academic pursuits. Established in 1961, as a Regional Engineering College, a joint enterprise of Government of India (GOI) and Government of Uttar Pradesh, the institute was transformed into NIT on June 26, 2002. With the enactment of NIT Act-2007 (29 to 2007), the Institute has been granted the status of institution of national importance w.e.f. August 15, 2007.

The Institute now offers various undergraduate and postgraduate courses such as B.Tech., M.Tech., MCA, MBA, M.Sc., M.S.W and Ph.D. degree. It has been recognized by GOI as one of the Quality Improvement Programme (QIP) centres for the M.Tech. and Ph.D. Degrees. Also, it is a lead Institution under World Bank funded GOI Project on Technical Education Quality Improvement Programme (TEQIP) (2002-2007).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

For the first time in India under graduate course in Computer Science and Engineering was offered in 1977 under Electrical Engineering Department with a modest strength of 10 students.

The Department of Computer Science & Engineering offers courses leading to a Bachelor of Technology in Computer Science & Engineering, and Information Technology. It also offers a Master of Technology in Computer Science & Engineering, Master of Technology in Software Engineering, Master of Technology in Information Security, and Master of Computer Application (M.C.A.). Further, the department also enrolls candidates for Ph.D.

ALLAHABAD

The city of Allahabad is among the largest cities of Uttar Pradesh. It is situated at the confluence of three rivers- Ganga, Yamuna and the mythological Saraswati. The sacred meeting point is known as Sangam. The city better known as PRAYAG has many governmental institutions which include MNNIT Allahabad, High Court of UP, Allahabad University & tourist places like Sangam, Anand Bhawan, Narayan Ashram etc. MNNIT Allahabad is one of the premier institutes of the city offering Quality Technical Education.

COMMITTEE

ORGANIZING COMMITTEE

Patron

Prof. P. Chakrabarti, *Director, M.N.N.I.T. Allahabad*

Chairperson

Prof. Suneeta Agarwal, Head, Department of Computer Science and Engineering

Course Convener

Prof. Suneeta Agarwal, Head, Department of Computer Science and Engineering

Faculty Coordinators

- Rajitha B., Department of C.S.E., M.N.N.I.T, Allahabad
- Ranvijay Singh, Department of C.S.E., M.N.N.I.T, Allahabad
- Divya Kumar, Department of C.S.E., M.N.N.I.T, Allahabad
- Dushyant Singh, Department of C.S.E., M.N.N.I.T, Allahabad

Student Coordinators

1. Shivendra Shivani, Department of C.S.E.
2. Priyanka Singh, GIS Cell
3. Sarika Yadav, Department of C.S.E.
4. Ashish Tripathi, Department of C.S.E.

ADVISORY COMMITTEE

- Prof. A. K. Mishra, Department of C.S.E., M.N.N.I.T, Allahabad
- Prof. M. M. Gore, Department of C.S.E., M.N.N.I.T, Allahabad
- Prof. R. S. Yadav, Department of C.S.E., M.N.N.I.T, Allahabad
- Prof. N. Tyagi, Department of C.S.E., M.N.N.I.T, Allahabad
- Prof. A. K. Tripathi, IT BHU
- Prof. K. V. Arya, I.I.I.T.M., Gwalior
- Prof. Ravishankar, IT BHU
- Prof. Sanjay Kr. Singh, IT BHU
- Dr. Chintan Mandal, Department of C.S.E, Jadavpur University
- Dr. Sushila Kamble, Department of C.S.E, ISM Dhanbad

ADDRESS FOR COMMUNICATION

Interested people should send their completed registration form, along with the demand draft to the course coordinator on or before 20th June, 2014 at the following address:

Prof. Suneeta Agarwal

Chairperson, SIMDOC-2014

Department of Computer Science and Engineering

Motilal Nehru National Institute of Technology Allahabad

Allahabad-211004

E-mail: 2014simdoc@gmail.com

The applicants are also requested to e-mail a scanned copy of the same at the email id provided above.

For any further information / assistance you may contact following student co-ordinators:

Shivendra Shivani - +919319588365(Mob), shivendrashivani@gmail.com

Ashish Tripathi- +919648807086(Mob), ashish.mnnit44@gmail.com

Priyanka Singh – priyankaap@gmail.com

Sarika Yadav – sarikayash18@gmail.com

Note: Please write the name of the course (SIMDOC-2014) on top of the envelope.

INTRODUCTION

Conducting research, whether it involves primary and/or secondary data collection, is an expensive and time-consuming endeavor. Results from the collected data are information, which are formulated through proposed procedures.

A critical aspect for any research and analysis is a methodical documentation or “write up” of the various simulations of research methods and key findings. Documenting research methods and results is not just a good idea for our own future purpose but also a way out to communicate to successors of the work and findings.

A proper documentation requires two things – a proper representation of research work/simulation results and a proper document processor. A good simulation for research findings requires knowledge of efficient simulating software.

To solve such problems, researchers have to go through various language courses, grammar books and experimenting document processors. They have to use different simulation software to generate findings and results. Very few simulation software give functionalities to generate results with proper documentation.

Considering these requirements, this course aims at

- Giving a proper knowledge of the process for documentation of the work – which involves knowing a grammar and knowhow of the technical terms involved for representing the work.
- Giving a proper knowledge of documentation software.
- Giving a proper knowledge of simulating software.

SCOPE OF COURSE

Apart from giving knowledge of the documentation procedure, the course will also give an introduction and advanced knowledge to LaTeX - a document preparation system; as well as for writing a research paper/thesis. The knowledge will be imparted in programming through MATLAB – a simulating software and some toolboxes of MATLAB.

COURSE DETAILS

The major contents of the course will cover the following.

- Basic and advanced programming through MATLAB
- Knowledge of MATLAB tool boxes and their applications in Multimedia, Embedded Systems, Genetic Algorithm, Optimization Techniques and Neural Network.
- Technical writing skills for writing research paper/thesis
- LaTeX – documentation/thesis writing, making presentations through beamer, basics for preparing a template in LaTeX.

Course Duration: 1 Week (30th June, 2014 – 5th July, 2014)

Last Date for Receipt of Application Form: 20th June, 2014

Faculty: The resource persons for the program shall include experts from academic/research organizations and industry, and faculty from MNNIT Allahabad and other engineering colleges of repute.

WHO SHOULD ATTEND

This is a general workshop that can be attended by all UG/PG students, faculties and researchers.

REGISTRATION

To register for this course, the applicants are required to submit a demand draft issued in favour of “SIMDOC-2014” payable at **Allahabad**. The details of the fees are as follows:

Category	Fees (Rs.)
Industry Personnel / Faculty	₹ 1000/-
Research Scholars/Students	₹ 500/-

Also send a proof of your identity and designation for claiming the category.

*** The participants have to bear their own travelling and accommodation expenses.**

**** Limited accommodation will be provided on *first come first serve* basis to the participants, based on the availability of rooms in the institute EDC and Hostels.**

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REGISTRATION FORM

Short-Term Course on

**MATLAB and LaTeX: Simulation with Documentation
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“A view through eyes of researcher”

Date: 30th June, 2014 – 5th July, 2014

Name (in Block Letters) _____

Date of Birth _____ Sex: Male/Female

Highest Qualification: _____

Organization: _____

Designation (Faculty / Research Scholar / Student / Industry Personnel)

Experience: ____ Years ____ Months

Correspondence Address:

City: _____ Pincode: _____

Phone _____

E-mail _____

PAYMENT DETAILS:

Draft No. _____ Date: _____

Issuing Bank and Branch (with code)

Amount: _____ Drawn on: _____

(In favour of “SIMDOC-2014” payable at ‘Allahabad’)

(Signature of Applicant)