ANNOUNCEMENT

A Self Sponsored

Second National Workshop

On

Simulation of Image, Audio & Video with Matlab, OpenCV and Documentation with Latex (SIMDOC-2015)

"A view through eyes of researchers"

Date: 14th Dec, 2015 – 18th Dec, 2015

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 premiers 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 COMITTEE

Patron
Prof. P. Chakrabarti, *Director, MNNIT Allahabad, Allahabad*

Chairperson
Prof. R.S.Yadav, Head, Department of Computer Science and Engineering

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

Course Coordinator
Ms. Rajitha B., Assistant Professor, Department of Computer Science and Engineering

Faculty Coordinators
- Dr. Ranvijay, Department of C.S.E., MNNIT Allahabad
- Dr. Shashank Srivastava, Department of C.S.E., MNNIT Allahabad
- Mr. Rupesh Kumar Dewang, Department of C.S.E., MNNIT Allahabad
- Ms. Shaswati B., Department of C.S.E., MNNIT Allahabad
- Mr. Divya Kumar, Department of C.S.E., MNNIT Allahabad
- Mr. Dhusyanth Kumar, Department of C.S.E., MNNIT Allahabad

Student Coordinators
1. Shivendra Shivani, Department of C.S.E.
2. Priyanka Singh, GIS Cell
3. Shambhu Shankar Bharti, Department of C.S.E.
4. Manish Gupta, Department of C.S.E.
5. Sanjeev Kumar, Department of C.S.E.

ADVISORY COMMITTEE

- Prof. M. M. Gore, Department of C.S.E., MNNIT Allahabad
- Prof. N. Tyagi, Department of C.S.E., MNNIT Allahabad
- Prof. A. K. Tripathi, IIT BHU
- Prof. K. V. Arya, IIITM, Gwalior
- Prof. Ravishankar, IIT BHU
- Prof. Sanjay Kr. Singh, IIT BHU
- Dr. Chintan Mandal , Department of C.S.E, Jadavpur University
- Dr. Sushila Kamble, Department of C.S.E, ISM Dhanbad
- Dr. Rajesh Prasad, Yobe State University, Damaturu, Nigeria
- Dr. Vikas Maheshkar, Department of C.S.E, NSIT delhi
- Dr. Ashutosh Gupta, MJP Rohilkhand University Bareilly
- Dr. Sarsij Tripathi, Department of C.S.E, NIT Raipur

ADDRESS FOR COMMUNICATION

Interested persons should send their completed registration form, along with the demand draft to the course coordinator, received on or before 30th Nov, 2015 at the following address:

Mrs. Rajitha B.
Course Coordinator, SIMDOC-2015
Department of Computer Science and Engineering
Motilal Nehru National Institute of Technology Allahabad
Allahabad-211004
E-mail: simdoc2015@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

Shambhu Shankar- +919359149633(Mob), shambhu4u08@gmail.com

Manish Gupta – +919457815321(mob), manishymca2007@gmail.com

Sanjeev Kumar – +919807068592(mob), skgcp86@gmail.com

Note: *Please write the name of the course* (SIMDOC-2015) *on top of the envelope.*

INTRODUCTION

Based on the positive feedback from the participants of SIMDOC-2014, here we were encouraged to conduct another five day self-sponsored workshop on current research aspects of Image, Audio and Video Processing applications.

Another critical aspect for any research and analysis is methodical documentation or "write up" of the various simulations of research methods and key findings. Documenting research methods and results are not just a good idea for our own future purpose but also a way out to communicate with successors of the work. A proper documentation requires two things – a proper representation of research work/simulation results along with a proper document processor. A good simulated research finding requires knowledge of efficient simulating softwares.

To solve such problems, researchers have to go through various language courses, grammar books and experimenting document processors. They have to use different simulation softwares to generate findings and results. Only few simulation softwares provide these functionalities.

SCOPE OF COURSE

The course covers introduction to basic knowledge of the documentation procedure (covered in SIMDOC-2014) along with introduction and advanced knowledge on writing research papers/thesis presentation. The Practical knowledge will be imparted through advanced software tools for simulating the research challenges.

Considering the current research requirements, this course aims at

- Imparting proper knowledge on documentation softwares for research paper writing and presentation of research work in standard technical terms using LaTex.
- Imparting proper knowledge on simulation softwares for solving current research challenges in image, audio and video domains using MATLAB and OpenCV.

COURSE DETAILS

The major contents of the course will cover the following.

- Basic and advanced programming through MATLAB
- Knowledge of MATLAB tool boxes & openCV and their applications in Multimedia, Image, Audio and Video processing.
- Technical writing skills for research paper/thesis.
- Basics for preparing a template in LaTex, making presentations through beamer and documentation of thesis.

Course Duration: 1 Week (14th Dec, 2015 – 18th Dec, 2015)

Last Date for Receipt of Application Form: 30th Nov, 2015

Faculty: The resource persons for the program shall include experts from academic/research organizations, industries and faculties from MNNIT Allahabad/other reputed engineering colleges.

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-2015**" payable at **Allahabad**. The details of the fees are as follows:

Category	Fees (Rs.)
Industry Personnel / Faculty	₹ 3000/-
Research Scholars/Students	₹ 2500/-

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.

Department of Computer Science and Engineering

Motilal Nehru National Institute of Technology

Allahabad

Allahabad-211004

REGISTRATION FORM

Second National Workshop

On

Simulation of Image, Audio & Video with MATLAB, OpenCV and

Documentation with LaTeX

(SIMDOC-2015)

"A view through eyes of researchers"

Date: 14th Dec, 2015 – 18th Dec, 2015

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-2015**" payable at '**Allahabad**')

(Signature of Applicant)