

## Faculty Development Program (FDP)

On

### Advances in Industrial Automation

Under the banner of

Electronics and ICT Academy, NIT Patna  
and

Coordinated by

National Institute of Technology, Patna

&

Netaji Subhas Institute of Technology (NSIT),

Bihta

From

10<sup>th</sup> - 14<sup>th</sup> December, 2018

at Netaji Subhas Institute of  
Technology, Bihta



#### Chief Patron

**Prof. P.K. Jain**

Director, NIT, Patna

**M.M. Singh**

Member Secretary, NSIT, Bihta

#### Patrons

**Mr. Krishna Murari**

Registrar, NSIT, Bihta

#### Coordinator (NIT Patna)

**Dr. D. K. Dheer**

#### Local Coordinator (NSIT, Bihta)

**Mohammed Hasmat Ali**

#### Organized by

Electronics and ICT Academy, NIT Patna,

EED, NIT Patna, India.

Dept of EEE, NSIT, Bihta, India.

## About NIT Patna

National Institute of Technology Patna is the 18<sup>th</sup> National Institute of Technology created by the Ministry of H.R.D. Government of India after rechristening the erstwhile Bihar College of Engineering Patna on 28.01.2004. The Institute is situated on the south bank of holy river Ganges behind Gandhi Ghat (where the ash of father of the Nation, Mahatma Gandhi was offered in the river Ganges). The Institute imparts high level education training, research and development in science, engineering technology and humanities along with high quality education and values at UG, PG and Ph.D. level. At present the Institute offers courses in six major technical disciplines viz. Architecture, Civil Engineering, Computer Science & Engg., Electrical Engg., Electronics & Communication Engg. and Mechanical Engg. It also consists of well-established departments of Physics, Chemistry, Mathematics and Humanities and Social Sciences.

## About NSIT Bihta

Netaji Subhas Institute of Technology (NSIT), two kilometers away from Bihta Railway Station, has been established at Amhara in Patna district. It is approved by AICTE, New Delhi and recognized by Department of Science & Technology, Government of Bihar, affiliated to Aryabhata Knowledge University Patna and State Board of Technical Education, Patna. The institution is ISO 9001:2008 Certified.

NSIT has the huge infrastructure of approximately 4 lakh sq. ft of built up area on approximately 11 Acres of Land at Amhara, Bihta, Patna.

NSIT offers the education with the latest Technologies available in the present area. (i.e. Wi-Fi Campus, Computer Centre, Digital Library etc). NSIT has currently two courses namely Diploma in Engineering and Bachelor of Technology in five different branches.

## Electronics and ICT Academy

Ministry of Electronics and Information Technology, Government of India has instituted seven Electronics and Information & Communications Technology (ICT) Academies of which, the academy of NIT Patna is one. The Academy at NIT Patna aims to design and organize basic as well as specialized training programmes in niche areas of electronics and ICT for the development of required

knowledge base, skills and tools to equip the teaching community with better knowledge and understanding.

## Objective and Scope

The main objective of this FDP is to make the aspiring academicians/engineers acquainted with the conceptual as well as practical knowledge of the Industrial Automation & latest technologies being used to achieve industrial automation.

By the end of the program, the participants should be able to understand the technical core issue of the following topics:

- Evolution In Industrial Automation & Different Type Of Control Mechanisms
- PLC Advantages Over Microcontrollers
- Motor Drives/Sensors Introduction & Their Need
- Advancements in various Control System strategies for power technology

## Resource Persons

Internationally acclaimed faculty members from premier institutions like IIT Patna, IIT Ropar, IIT Dhanbad, NIT Patna and Tejpur University.

## Who Can Participate

Industry personals, Faculty members of UGC/AICTE recognized Universities and Engineering colleges all over India, Research scholars, M. Tech. final year students, However there are very limited number of seats for Ph.D. /PG students; priority will be given to Ph.D. students.

## Registration Fee

- ✚ Faculty Member/ Ph.D students: Rs 1000
- ✚ PG Students : Rs 500
- ✚ Industry Personnel: Rs 3000

Registration fee includes Registration kit, Tea and Snacks and a Course Completion Certificate. **Certificate will be given by Electronics & ICT Academy NIT Patna.**

## Registration Process

1. Registration form should accompany a single demand draft as applicable, which should be drawn in favour of "The Director, NIT Patna" payable at Patna. Online payment can also be done :

Account Name: NIT Patna, Account no :5038047698, IFSC Code:ALLA0212286

- The form must be filled properly, duly signed endorsed by the competent authority and can be scanned and mailed to us at the address hashmatalig@gmail.com
- Selection will be made purely on First-Come-First- Serve basis (Subject to fulfilling the eligibility criteria).
- The brochure and the registration form may be downloaded from the Institute website <http://www.nitp.ac.in/ict> and [www.nsit.in](http://www.nsit.in).

The registration fee can also be deposited in cash.

Last date of submission of application: 10<sup>th</sup> December, 2018.

### Address for Correspondence

Enquiry should be addressed to:

Mohammed Hasmat Ali,  
Assistant Professor  
Dept. of Electrical & Electronics Engineering,  
Netaji Subhas Institute of Technology, Bihta, Patna  
Mob. No.: +91-8969975052  
Email: [hashmatalig@gmail.com](mailto:hashmatalig@gmail.com)

### Advisory Committee

Prof. M. P. Tripathi, NSIT Patna  
Prof. S.N. Verma H.O.D., EE, NIT Patna.  
Dr. Reema Dhar, NSIT Patna  
Mrs. J. Dalei, NSIT Patna  
Mr. K K Singh, NSIT Patna  
Dr. Vimlesh Verma, EE, NIT Patna  
Prof. Bharat Gupta, ECE, NIT Patna

### Organizing Committee

Mr. Kingson, NSIT Patna  
Mr. Aditya Shekhar, NSIT Patna  
Mr. Agam Kumar, NSIT Patna  
Mr. V Ranjan, NSIT Patna  
Mr. Rohit Kumar, NSIT Patna

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(10<sup>th</sup>-14<sup>th</sup> December, 2018)

### REGISTRATION FORM

- Name (block letter): .....  
(a) Gender  Male  Female  
(b) Category  Gen  OBC  SC  ST
- Adhaar Number:.....
- Designation .....
- Organization: .....
- Highest Academic Qualification: .....
- Experience (in years):  
(a) Teaching: .....  
(b) Industrial: .....
- Address for communication: .....  
.....  
.....  
Pin code: .....Ph. No.: .....  
Fax No.: .....  
E-mail: .....

- Mode of Payment  Through DD  
Through NEFT   
CASH
- DD No./NEFT Trn Ref no. : .....
- Date: .....
- Bank Name:.....
- Amount: .....

### DECLARATION

I do hereby agree to abide by the rules and regulations of the FDP.

Place: .....  
Date: .....

.....  
Signature of the applicant