

## Faculty Development Program (FDP)

On

### Advances in Control and Its Application in Power Technology

Under the banner of

Electronics and ICT Academy, NIT Patna

And

Coordinated by

National Institute of Technology, Patna

&

Integral University, Lucknow

From

24<sup>th</sup> - 28<sup>th</sup> September, 2018

At Integral University



#### Chief Patron

**Prof. P.K. Jain**  
Director, NIT, Patna

**Prof. S. W. Akhtar**  
Chancellor, IU, Lko

#### Patrons

**Prof. (Dr.) Aqil Ahmad**  
Vice Chancellor (Acting), IU, Lucknow

#### Coordinator (NIT Patna)

Dr. Md Nishat Anwar

#### Local Coordinator (Integral University)

Dr. Mohammed Asim

#### Organized by

Electronics and ICT Academy, NIT Patna,  
HRDC, Integral University, Lucknow,  
Department of Electrical Engineering,  
NIT Patna  
Department of Electrical Engineering,  
Integral University, Lucknow

## 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 Integral University

Integral University, a seat of educational excellence, is a premier university in Lucknow, the capital city of the state of Uttar Pradesh, India. It was established under the Act Number 9 of 2004 by the State Government. The University is duly approved by the University Grants Commission (UGC) under sections 2(I) and 12B of the UGC Act, 1956, Medical Council of India, Pharmacy Council of India, Indian Nursing Council, Council of Architecture, Bar Council of India, Indian Association of Physiotherapists, National Council for Teacher Education, UP State Medical Faculty and Distance Education Bureau. Integral University is recognized as a Scientific & Industrial Research Organization (SIRO) by the Department of Scientific & Industrial Research, Ministry of Science & Technology Government of India. In the recent past, the University has been a recipient of several prestigious awards in the education sector. Last year, the National Institutional Ranking Framework (NIRF), the most prestigious ranking by the Govt. of India, ranked Integral University 25<sup>th</sup> in the country in Pharmacy. The Faculties of Engineering and Management were ranked in 2017 as the top in the state amongst all private educational institutions by Jagran Josh based on an unbiased and unmeddled survey by Kanter-TNS, India.

## 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 objective of this course is to aware and enhanced the soft computing Skills, research based outcome in recent trends of Electrical and Electronics domain for the technical teachers upon the various key technologies used these days. The following are the broad topics, going to be covered in this course:

- Modelling of Renewable Energy Systems
- Power electronics Application in Smart Grid
- Research based modern Power system application
- Industries based automation & application in control system
- Advancement of Power and drives as well as their control approach

One of the key features of this course is that, along with discussing the advanced research topics and cutting edge technologies, it will encompass fundamental aspects of digital as well as Electrical and Electronics domain technologies.

## Resource Persons

Internationally acclaimed faculty members from premier institutions like IIT Patna, IIT Ropar, IIT Dhanbad, NIT Patna, AMU 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/PhD 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 favor of "The Director, NIT Patna" payable at Patna. Online payment can also be done :  
Account Name: NIT Patna, Account no: 5038047698, IFSC Code: ALLA0212286
2. The form must be filled properly, duly signed endorsed by the competent authority and can be scanned and mailed to us at the address [masim@iul.ac.in](mailto:masim@iul.ac.in).
3. Selection will be made purely on First-Come-First- Serve basis (Subject to fulfilling the eligibility criteria).
4. The brochure and the registration form may be downloaded from the Institute website <http://www.nitp.ac.in/ictand> [www.iul.ac.in](http://www.iul.ac.in).

The registration fee can also be deposited in cash.

Last date of submission of application: 20<sup>th</sup> September, 2018.

### Address for Correspondence

Enquiry should be addressed to:

Dr. Mohammed Asim  
Assistant Professor  
Dept. of Electrical Engineering,  
Integral University, Lucknow, UP-226026  
Mob. No.: +91-8299483184  
Email:[masim@iul.ac.in](mailto:masim@iul.ac.in)

### Advisory Committee

Dr .Syed Nadeem Akhtar, Dean Engg & DPR, IU, Lko  
Prof. S.N.Verma H.O.D., EE, NIT Patna.  
Dr. Syed Aqeel Ahmad, Director HRDC, IU, Lko.  
Dr. M.Alam, H.O.D, EE, IU, Lko  
Prof. M. A. Mallick, EE, IU, Lko  
Dr. Vimlesh Verma, EE, NIT Patna.  
Prof. Bharat Gupta, ECE, NIT Patna.  
Dr. Asif Jamil Ansari, EE, IU, Lko

### Organizing Committee

Mr. Prabhat Ranjan Sarkar, EE, IU, Lucknow.  
Dr. Mirza Mohd. Shadab, EE, IU, Lucknow.

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### REGISTRATION FORM

1. Name (block letter): .....  
(a) Gender  Male  Female  
(b) Category  Gen  OBC  SC  ST
2. Adhaar Number:.....
3. Designation .....
4. Organization: .....
5. Highest Academic Qualification: .....
6. Experience (in years):  
(a) Teaching: .....  
(b) Industrial: .....
7. Address for communication: .....  
.....  
.....  
Pin code: .....Ph. No.: .....  
Fax No.: .....  
E-mail: .....
8. Mode of Payment  through DD  
Through NEFT   
CASH
9. 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