

Short Term FDP On Advancement and Application of Soft Computing in Electrical System

Under the banner of
**Electronics and ICT Academy, Govt. of India
&**

**Coordinated by
National Institute of Technology Patna &
BIT Sindri, Dhanbad**

**During
13-17 July, 2018
at BIT Sindri, Dhanbad**

(Under TEQIP III)



Patron

Prof. (Dr.) P. K. Jain
Director, NIT Patna

Prof. (Dr.) D. K. Singh
Director, BIT Sindri

Coordinator (NIT Patna)

Dr. Ravi Shankar

Coordinator (BIT Sindri)

Dr. R. P. Gupta

Organized by

Electronics and ICT Academy, National Institute of
Technology Patna, Patna- 800005(India).

www.nitp.ac.in/ict/

and

TEQIP III, BIT Sindri

About NIT Patna

National Institute of Technology Patna is the 18th 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 PhD 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 BIT Sindri

BIT, Sindri is one of the oldest engineering college of India, was started in 1949. The institute is controlled administratively by Higher, Technical Education and Skill Development Department, Govt. of Jharkhand, Ranchi and academically it is affiliated to Vinoba Bhave University, Hazaribag for conducting examinations and awarding degrees. All courses are approved by All India council of technical education and most of the undergraduate programs are accredited by the national board of accreditation, New Delhi. It has a sprawling campus of about 450 acres of land near the eastern bank of river Damodar. There are 26 hostels in the campus, separate hostels for boys and girls, catering the residential requirements of around 3500 undergraduate, postgraduate and research students. The institute is fully residential for students as well as teaching and non-teaching staff. 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 PhD level. At present the Institute offers courses in ten major technical disciplines viz. Mechanical, Electrical, Metallurgy, Production, Chemical, Electronics & Communications, Civil, Mining, Computer Science, Information technology. It also consists of well-established departments of Physics, Chemistry, Mathematics and Humanities.

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:

- ✦ Soft computing skill & application in present era.
- ✦ Active & reactive power management in present scenarios.
- ✦ Introduction and application of recent FACTS devices in power system.
- ✦ Industries based controller application & automation.
- ✦ Advancement of power & drives as well as their recent 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 and NIT Patna etc.

Who Can Participate

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 numbers of seats for Ph. D./PG students; priority will be given to Ph. D. students.

Registration Fee

- Faculty Member: INR 1,000.
- Ph.D/PG: INR 500.
- Industry Personnel: INR 3,000.

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

Filled in application form (downloaded from the website www.nitp.ac.in) in the prescribed format duly signed along with the demand draft has to be sent to the coordinator by post to Dr. R. P. Gupta, Assistant Professor, Dept. of Electrical Engineering, BIT Sindri, Dhanbad-828123 (Jharkhand), INDIA. The selection will be done on First Come First Serve basis and the confirmed candidates will be notified immediately. It is also mandatory to send scanned copy of filled application form and DD through mail to rgupta@bitsindri.ac.in, and cc to ravi@nitp.ac.in. The DD must be drawn in favour of “**Director, NIT Patna**” payable at Patna. Registration fee can also be deposited through NEFT and the hard copy of bank transaction has to be attached with the application. The bank details are as follows:

Bank Name: Allahabad Bank, NIT Patna
A/c No: 50380476798
IFSC Code: ALLA0212286
A/c Holder Name: NIT Patna
The registration fee can also be deposited in cash.

Last date of submission of application: 10th July, 2018.

Location

The institute is located at a distance of 28 kms from Dhanbad railway station linked by rail as well as road.

Address for Correspondence

Enquires should be addressed to:

Dr. R.P.Gupta, Assistant Professor
Dept. of Electrical Engineering,
BIT Sindri, Dhanbad, Jharkhand-828123.
Mob. No.: +91-8340432424
Email: rgupta@bitsindri.ac.in

Advisory Committee

Prof. S. N. Verma, H.O.D., EE, NIT Patna.
Prof. Pankaj Rai, H.O.D., EE, BIT Sindri.
Prof. U. S. Triar, EE, NIT Patna.
Dr. Saifullah Payami, EE, IIT Ropar.
Dr. Nishat Anwar, EE, NIT Patna.
Dr. Vimlesh Verma, EE, NIT Patna.
Dr. Bharat Gupta, ECE, NIT Patna.
Dr. Ravi Bhushan, NIT Patna.
Mr. Ravi Raushan, NIT Patna.

Organizing Committee

Prof. Pankaj Rai, HOD. EE, BIT Sindri.
Prof. Upendra Prasad, EE, BIT Sindri.
Prof. D. K. Tanti, EE, BIT Sindri.
Prof. Arvind Kumar, HOD, ECE, BIT Sindri.
Prof. Rekha Jha, EE, BIT Sindri.

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(13-17 July, 2018)

REGISTRATION FORM

1. Name (block letter):

(a) Gender Male Female

(b) Category Gen OBC SC ST

2. Designation

3. Organization:

4. Highest Academic Qualification:

5. Experience (in years):

(a) Teaching:

(b) Industrial:

6. Address for communication:

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Pin code: Ph. No.:

Fax No.:

E-mail:

7. Mode of Payment Through DD
 Through NEFT
 CASH

14. 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



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on
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