Electronics and ICT Academy at National Institute of Technology Patna

Setup under Scheme of Department of Electronics and Information Technology, (DeitY) Ministry of Communications and IT, Govt. of India

Proposes A Training Program on Fuzzy Logic and its Applications

Duration: 14/03/2016 to 18/03/2016

Chief Investigator
Prof. (Dr.) Asok De, Director NIT Patna

Coordinator: Dr. J. P. Singh Assistant Professor, Dept. of CSE

Co-coordinator: Dr. S. Tripathi Assistant Professor, Dept. of CSE

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 has highly qualified faculty of higher caliber in various disciplines. Institute offers B.Tech, M.Tech & Ph.D. programs in respective field of Engineering. National Institute of Technology Patna aims at setting out very high education standards and holds long record of academic excellence. Sciences and Technology with well-equipped laboratories.

About Electronics and ICT Academy
DeitY has sponsored a scheme entitled "Scheme of Financial Assistance for setting up of Electronics and ICT Academies". The objective of the above scheme is to set up seven (07) Electronics and ICT Academies as a unit in IITs, NITs, and IIITs etc. for faculty/mentor development/up-gradation to improve the employability of the graduates/ diploma holders in various streams, through collaboration of States/Union Territories with financial assistance from the Central Government. Electronics and ICT Academy would aim to provide specialized training to the faculties of Engineering, Arts, Commerce & Science colleges, Polytechnics etc., by developing state-of-the-art facilities. The Scheme has been approved on 14.11.2014. Subsequently, an Empowered Committee under the chairmanship of Secretary, DeitY has accorded approval for setting up Academy in NIT Patna (Bihar).

Course Duration
Theory+Practicals-25 Hours + 15 Hours

Course Objective
The main objective of this course is to provide theoretical and practical concept of fuzzy set and fuzzy logics. The participants will learn how to choose the appropriate fuzzy set and algorithm design method for a specified application.

Topic Covered
- What Fuzzy logic is?
- Fuzzy sets
- Operations between sets
- Fuzzy relations
- fuzzy If – Then rules
- fuzzy mapping rules.
- fuzzy implication functions
- Applications

Course Outcomes
On completion of this course, participants are expected to be capable of understanding the basics of Fuzzy sets and fuzzy logic. The applications of fuzzy logic and how they can be used.

Resource Persons
- Prof. Paramartha Dutta, Visva-Bharati University,
- And many other faculty members from IISc, ISI, IIT, NIT and other reputed institutes and industries.
Course Fees
INR 2500/-

The draft should be in the name of
The Director, NIT Patna
Payable at Patna

The completed registration form along with the draft should be sent to
Dr. J. P. Singh
Dept. of CSE, NIT Patna,
Ashok Rajpath
Patna -800005, Bihar

Last date of registration
13th March 2016

Venue: NIT Patna

How to Reach NIT Patna
The institute is situated on the south bank of holy river Ganga behind Gandhi Ghat. The Institute campus is 8 km from the Patna Junction railway station and 15 km from the Jai Prakash Narayan International Airport Patna.

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1. Name (Block Letters)__________________
   ______________________________________

2. Educational Qualification:______________
   ______________________________________

3. Designation:___________________________
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4. Name of the institute:___________________
   ______________________________________

5. Address for Communication:____________
   ______________________________________

   For query contact:
Name: Dr. J. P. Singh/ Dr. Sudhakar Tripathi
Email ID: jps@nitp.ac.in/
stripathi.cse@nitp.ac.in

Accommodation
We will provide hostel accommodation in the campus to the participants on payment basis.

6. E-mail:_____________________________
   ______________________________________

7. Phone/Mobile:________________________
   ______________________________________

8. D.D No.:_____________ Date:_________
   Bank name:___________________________
   Amount (Rs.)_________________________

   Date: ____________________________
   Signature: ________________________