Registration Form

Name of Applicant (first, last):……………
………………………………….........

Father's Name……………………………..
…………………………………………..

Gender:..

Category (Gen/SC/ST):…………………………………..

Designation:……………………………………

Highest Qualification:……………………………………

Name and Address of the Institute/ Organization:……………..
……..

Postal Address:……………………………………………
                    :……………………………………………

Email:…………………………………………………….

Mobile Number:………………………………………………

Do you need accommodation? (Yes/No):……………………...
Transaction ID:………………………………………....
Transaction Date: …………………………………………
Issuing Bank…………………………………………....
Signature of the Applicant: ………………………………
I hereby agree to relieve Mr./ Ms./ Dr……………...................
in case he/she is selected to attend the programme.
Signature and Seal of the Forwarding Authority.

Name ....

Designation...

Note :

- The participant must carry the Institute/Organization valid Identity Card (Both in Original & Photocopy).

- Accommodation facility is available on payment basis. Lodging for limited number on first-come-first-served basis will be provided to outstation participants.

Program Duration
40 Hrs

Patron

- **Dr. Pradeep K. Sinha**,*VC & Director, IIITNR*

- **Dr. S. G. Deshmukh**,*Officiating Director, PDPM IIITDMJ & Director, ABV IIITMG*

Coordinator from IIITDMJ

- **Prof. P. N. Kondekar**
  Co-CI, E&ICT Acedemy, IIITDMJ

Coordinators from IIITNR

- **Dr. Venkanna U.**
- **Dr. Vivek Tiwari**
- **Dr. Debanjan Das**

Distinguished Speakers

- **Prof. Sudip Misra,** *IIT Kharagpur*
- **Prof. P.N. Kondekar,** *IIITDM Jabalpur*
- **Mr. Basavaraj Hooli,** *C-DAC*
- **Dr. Rajarshi Mahapatra,** *IIIT Naya Raipur*
- **Dr. Venkanna U.,** *IIIT Naya Raipur*
- **Dr. Debanjan Das,** *IIIT Naya Raipur*
- **Dr. VivekTiwari,** *IIIT Naya Raipur*
- **Industry Personnel,** *Mathworks India*
- **Industry Personnel,** *Keysight India*

Who can Attend?

- Faculty and Research scholars looking to expand their knowledge in the area of IoT in context of both software & hardware technology and its applications.

- Persons from R&D organizations and relevant Industries.

FACULTY DEVELOPMENT PROGRAM

ON

INTERNET OF THINGS (IoT)

04-08th July, 2018

Organized by

DSPM-IIIT Naya Raipur

Under
Electronics & ICT Academy
PDPM IIITDM Jabalpur

An initiative of
Ministry of Electronics & Information Technology
(MeitY), Government of India

Course Contents

- Introduction to IoT
- IoT Architecture
- Recent protocols in IoT (6LoWPAN, RPL, MQTT, Zigbee)
- M2M to IoT
- System design of an IoT system--- Power supply, Processor, Memory Sensor Interface
- Cloud-centric Internet of Things
- Data pre-processing and analysis
- Industrial IoT requirements
- Security and privacy issues in IoT
- Energy harvesting for IoT applications
- Research challenges in IoT
- Potential IoT applications like Smart health, Smart home, etc.
- Practical demonstration using Thing speak

Registration Fee

Registration Fee

- Rs. 1000/- for Faculty and Research Scholar
- Rs. 1500/- for Participants from Industry and R&D org.
- Registration fee covers course material, participation in the workshop, participation certificate and working lunch on all the days of the workshop.
- Lodging for limited number participants on first-come-first-served basis will be provided to outstation participants

Contact Details

Dr. Venkanna U.
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Phone: 09440973184

Objective of the Course

The Internet of Things (IoT) has evolved from the convergence of wireless technologies, and the Internet, by connecting "things" in the real world such as home appliances, industrial equipment, surveillance cameras, monitoring sensors, and actuators. The IoT will foster the development of a number of applications that make use of the potentially enormous amount and variety of data generated by such objects to provide new services to citizens, companies, and public administration. .

This FDP aims to make the participants realize the importance of IoT and its applications in various fields as well as to demonstrate some demo projects on specific applications.

This course also gives an introduction to IoT, so that participants can learn to build their own IoT products for various applications, and it also enables them to convert their product ideas into a working prototype.

How to Apply?

- Application form is available on the Institute website at the following link: http://www.iiitnr.ac.in.
- You are required to send the scanned copy of the completed and duly signed application form at Email: fdp@iiitnr.edu.in.
- Applicants have to pay a non-refundable application fee through SBI I-Collect link as below.
  https://www.onlinesbi.com/prelogin/institutiontypedisplay.htm
- Applicants must attach a copy of the payment receipt along with the application.

Last date of receiving application:
25th June, 2018

How to Reach IIIT NR

IIITNR is well connected with Raipur Airport, Railway Station and Raipur city bus stand with major cities like Delhi, Kolkata, Hydrabad, Mumbai, Indore, Pune.

About E&ICT Academy, IIITDMJ

Ministry of Electronics & Information Technology, Govt. of India, as instituted 7 Electronics & ICT Academies with one academy at PDPM IIITDM Jabalpur with the primary object preparing manpower for two important missions- 'Digital India' and 'Make in India'. The academy aims at the design and implementation of scalable training programs in niche areas of Electronics & ICT for the development of required knowledge based, skills and tools to unleash the talent of Indian population. The academy at PDPM IIITDMJ runs high quality specialized courses for faculty, students and unemployed graduates. In addition the academy conducts customized training programs and research promotion workshops for corporate sectors and educational institutions. The academy is envisioned to become a central hub of activities on training, consultancy works and entrepreneurship programs.

About IIIT Naya Raipur

Dr. Shyama Prasad Mukherjee IIIT Naya Raipur (IIITNR), a joint initiative of Chhattisgarh State Government and National Thermal Power Corporation (NTPC) commits to pursuing excellence in higher education, research and development in ICT. To empower this vision, IIITNR provides state-of-the-art research and education facilities and nurtures a campus culture. IIITNR currently runs undergraduate programs in ECE and CSE along with PhD program in all discipline. The dynamic structure of the curriculum orchestrates with the changing needs of industry and academia.

Venue

DSPM-IIIT Naya Raipur
Sector-24, Naya Raipur,
Chhattisgarh-493661
Phone: 07712474023/09440973184

For details of the program and course contents, please visit IIITNR website
https://www.iiitnr.ac.in/content/fdp-iot