

FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

INTERNET OF THINGS AND ITS REAL TIME APPLICATIONS

(28th January 2019 to 02nd February 2019)

Organized by

Department of Computer Science & Engineering

HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI, BELAGAVI, KARNATAKA

in association with

E & ICT Academy, National Institute of Technology, Warangal.

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)



Preamble:

"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MeitY, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programs in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

The aim of this programme is to introduce the participants to the amazing world of sensor networks and other IOT platforms. IOT is the idea of making devices (namely sensors, actuators and other objects) smarter by linking them to the Internet. This FDP serves as a platform to train and educate the research scholars, faculty and people from industry to interact on cutting-edge technologies in this emerging area.

Major Course Contents:

- Introduction to Wireless Sensor Networks and IOT
- Design of sensor network protocols including MAC and Routing protocols
- Sensor Web and Cloud
- Smart IoT devices and applications
- Programming with IoT devices
- Communication protocols, interconnections, system design and development
- Service Discovery and device to device communication in IOT
- Data management and big data analytics in IOT.
- Security in IOT
- Research issues and case studies in IOT.

Faculty conducting this program:

The program will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IITs are invited to deliver lectures in the program. Speakers from industries are also expected to deliver as part of the course.

Eligibility:

The programme is open to faculty of Engineering Colleges, MCA Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:

| | |
|-------------------------------|--|
| Faculty and Research Scholars | Rs. 2500/- |
| Faculty of SC/ST Category | Rs. 1875/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form) |
| Industry Participants | Rs. 7500/- |

SC/ST concession is only for faculty of mentioned states.
Research Scholars are not eligible for SC/ST concession.

The fee is to be paid either in the form of DDs or online transfer using the following details:

| DD Details | Online Transfer Details |
|---|--|
| Demand Draft in favor of "Director, NIT Warangal" payable at any bank in Warangal | Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149 |

Accommodation:

Accommodation will be provided to the selected outside participants on prior request. No TA/DA will be paid for the participants. Working Lunch, Tea & Snacks would be provided during the Training in the campus.

Venue: Seminar Hall & CSE Labs, HSIT

How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to parashuram.baraki@gmail.com as selection will be intimated only through e-mail.

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

| | |
|------------------------------|--|
| Last date (Application & DD) | 23 rd January 2019 |
| Selection List by E- mail | 25 th January 2019 |
| Duration | 28 th January to 2 nd February, 2019 |

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and Ph.D programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

About the Host Institution:

Hirasugar Institute of Technology (HSIT) was established in the year 1996, by SJPN Trust Nidasoshi of Belgaum district. The Institute is Approved by AICTE, Recognized by Govt. of Karnataka, Affiliated to VTU Belagavi and Recognized under Section 2(f) of UGC Act. 1956. It has undergraduate programmes in Departments of Computer Science and Engineering (CSE), Electronics and Communications Engineering (ECE), Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME), Post-graduation programme M.Tech(Thermal Engg.) in Mechanical Engineering department and Research Centre in ECE,EEE, ME & Engg. Chemistry departments. Dr. S. C. Kamate is the Principal.



APPLICATION FORM
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1. Name :
2. Designation :
3. Institution :
4. Email :
5. Mobile No :
- 6.

| | |
|---------|-----------------|
| DD | Online Transfer |
| DD No: | Reference No: |
| Amount: | |
| Bank : | |
| Date: | |

7. Address for Correspondence:
8. Educational Qualification:
9. Subjects taught so far:
10. No. of refresher courses/workshops attended:
11. Experience (in years):
Teaching: Research: Industry:
12. Accommodation required: YES /NO
13. Do you belong to SC/ST : YES/NO
(If yes, please specify and attach a copy of caste certificate to claim the concession)

Declaration

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Dr. /Mr. /Ms..... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Internet of Things and its Real Time Applications", sponsored by Electronics & ICT Academy during 28th January – 2nd February, 2019 at Hirasugar Institute of Technology, Nidasoshi, Belagavi, Karnataka.

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form with DD to

Dr. Parashuram Baraki
Professor & HOD
Coordinator for FDP on IoT and Its Real Time Applications
Department of CS&E,
Hirasugar Institute of Technology,
Nidasoshi, Belgaum district,
Karnataka – 591 236

E-mail the scanned copies of filled-in and duly signed application form along with DD to
parashuram.baraki@gmail.com

For more details about Electronics & ICT Academy, NIT, Warangal,

Please visit: <https://nitw.ac.in/eict>

For more enquiries please contact:

Mobile: +91 9686042385

E-mail: parashuram.baraki@gmail.com

Coordinators

Dr. Rashmi Ranjan Rout
Department of CSE,
NATIONAL INSTITUTE OF TECHNOLOGY
WARANGAL – 506 004 (Telangana State)

Dr. Parashuram Baraki
Department of CSE,
Hirasugar Institute of Technology
Karnataka – 591 236