



FACULTY DEVELOPMENT PROGRAMME (FDP) ON INTERNET OF THINGS AND BLOCK CHAIN TECHNOLOGY (20th May - 29th May 2019)

Organized by
E & ICT Academy & Department of CSE, NIT 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, Gol. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes 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.

Major Course Contents:

- Overview of IoT and its roadmap, Opportunities & Challenges in implementing IoT Solutions. CC3200 Platform, Value Line Architecture, Features and Peripherals.
- Connectivity Solutions using CC3200 Wi-Fi – Accessing HTML Page from HTTP Web Server. WLAN connection in Access Point Mode & Station Mode and Introduction to Energia IDE
- Working with: Serial Interface, Wireless interface (RF), Multiple peripherals as a system. Creation of own Web Server and Web page. Exercise on web server with different web pages to control the Hardware
- Working with MQTT protocol and pushing the sensor data to the IBM cloud. Configuring MQTT client and server using web browser and Android APP. Data acquisition and control using the cloud server with the user interface as Mobile APP and web browser. Working with eclipse.org cloud server
- Getting weather information from cloud server using CC3200Wi-Fi. Working with Temboo and Yahoo cloud server
- Getting Time information from cloud server using CC3200 Wi-Fi. Sending Email from the Hardware CC3200 using Google mail cloud server. Sending SMS alerts using Nexmo and Twilio cloud services. Getting connected with Thingspeak Cloud platform and sending sensor information.
- Getting connected with AT&T Cloud platform and sending sensor information. Updating real time user location to AT&T cloud platform with map visualization.
- Introduction to Block Chain Technology, Concepts, Integration of BCT and IOT, Hand on Session on BCT

Eligibility:

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

Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal and Academicians in the concerned field from reputed Institutes are invited to deliver lectures in the programme. Speakers from industries like Texas instruments, ISRO, DRDO are also expected to deliver as part of the course.

Registration Fee Particulars:

Faculty and Research Scholars	Rs. 4000/-
Faculty of SC/ST Category	Rs. 3000/- (SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs. 12000/-

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

The entire registration fee is to be collected in the form of DDs/online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "E & ICT Academy, NIT Warangal" payable at SBI, NIT Warangal Branch	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

Accommodation:

All the selected participants will be provided FREE boarding & lodging in the institute guest house. No TA will be paid for the participants.

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 raju@nitw.ac.in as selection will be intimated only through 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)	18/5/2019
Selection List by E- mail	19/5/2019
Duration	20/5/2019 to 29/5/2019

About NIT Warangal & Department:

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.

The Department of Computer Science and Engineering (CSE) offers B.Tech course in CSE, M.Tech courses in CSE, Information Security (IS) and Master of Computer Applications (MCA). The Department has experienced faculty with good publications and well-established laboratories. The Department has liaison with reputed industries and R&D organizations like Microsoft, IBM, Oracle, Accenture, Infosys, TCS, EMC2, C-DAC, Motorola, NIC, Sun Micro Systems, SPSS and tie up with IISc in certain areas. Department conducts various sponsored programmes like GIAN, International and national conferences throughout the year.



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1. Name :

2. Designation :

3. Institution :

4. Email :

5. DD No.: Bank: Date:

Amount:

6. Address for Correspondence:

7. Educational Qualification:

8. Subjects taught sofa:

9. No. of refresher courses/workshops attended:

10. Experience (in years):

Teaching: Research: Industry:

11. Accommodation required: YES /NO

12. 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 Block Chain Technology"**, sponsored by Electronics & ICT Academy during 20th – 29th May, 2019 at NIT Warangal.

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form with DD to

Dr. Raju Bhukya
Assistant Professor
Department of CSE
National Institute of Technology Warangal 506004.
Telangana, India.

E-mail the scanned copies of filled-in and duly signed application form along with DD to raju@nitw.ac.in

For more details about Electronics & ICT Academy, NIT, Warangal, please visit: <https://nitw.ac.in/eict>

For more enquiries please contact:

Mobile: 9700553922, 9700978003

Coordinator

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