



FACULTY DEVELOPMENT PROGRAMME (FDP) ON

INTERNET OF THINGS AND DATA ANALYTICS

30th April – 5th May 2019

Organized by

CMR INSTITUTE OF TECHNOLOGY

(UGC AUTONOMOUS)

Kandlakoya Medchal Road Hyderabad

In association with



E & ICT ACADEMY, NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

(Sponsored by Ministry of Electronics and Information Technology (MeitY), Govt. of India)

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.

About the FDP

The Internet of Things (IoT) is aimed at enabling the interconnection and integration of the physical world and the cyber space. It represents the trend of future networking, and leads the third wave of the IT industry revolution. In this FDP, we first introduce some background and related technologies of IoT and discuss the concepts and objectives of IoT. In The objectives of the Data Analytics can be Promotion and Outreach, Research, Education, Application and Commercialization.

Major Course Contents:

- Protocol Stack in IoT
- D2D Communication in IoT
- Cloud and Fog Computing for IoT Systems
- Graph and Social Media Analytics
- Data Analytic Techniques
- Experimentation with IoT Devices
- Python Programming (MQTT, Socket-IoT Protocols)
- Smart IoT Applications

Structure of the Course:

- Theory - 25 hours: The theory for the topics specified in the 'Course Contents' is covered over 25 hours duration in classroom sessions. The theory sessions may contain some demonstrations.
- Lab - 15 hours: The participants will be applying the topics learnt by doing exercises

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

Organized at: The programme will be coordinated and conducted by the Computer Science and Engineering department of CMR Institute of Technology, UGC Autonomous, Kandlakoya, Hyderabad.

The whole course will be accomplished by academicians from premier institutions, Industry experts and Research advisors

Accommodation: No TA/DA will be paid to the participants. Working Lunch, Tea & Snacks and Dinner would be provided during the training at CMRIT campus.

Registration Fee Particulars:

Faculty and Research Scholars from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 2500/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman & Nicobar	Rs. 1875/-*
Industry Participants	Rs. 7500/-

***SC/ ST participants should submit the copy of their caste certificate to claim the concession along with application form and it 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	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

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 csehod.cmrit@gmail.com as selection will be intimated only through email.

Selection Criteria:

Selection will be done based on *first-cum-first-serve basis* and the confirmed candidates will be notified immediately. The maximum number of participants will be 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be notified in the institute web site www.cmritonline.ac.in and also will be sent to their personal e-mail ids. In case a candidate is not selected, the demand draft will be sent back. A test will be conducted at the end of the course. 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 for submission of application	20.04.2019
Selection-list intimation/display on or before	25.04.2019

About NITW & CMRIT:

National Institute of Technology (formerly Regional Engineering College), 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 Institution imparting technical education of a very high standard leading to the B. Tech degrees in various branches of engineering and M. Tech. and Ph.D. programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

CMR Institute of Technology is one of the best engineering Colleges for aspiring engineering students. It is one of the three colleges established by MGR Educational Society. CMR Institute of Technology was established in 2005 with a single - minded aim to provide a perfect platform to students in the field of Engineering, Technology and Management for their academic and overall personality development. The College has a rich tradition of soaring high with academic excellence & overall personal growth of students. This is achieved by providing excellent academic environment and excellent infrastructure with the help of dedicated & highly qualified faculty members with M.Tech. and Ph.D. qualification and decades of experience. State of art infrastructure, includes labs with high quality equipment, rich collection of Library Books & IEEE, International, Indian journals and amenities. The college has well - equipped City Center for Faculty Development, Student Training and Placements Training Activities

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APPLICATION FORM

1. Name:

2. Designation:

3. Institution:

4. Email:

5. Ph. No:

6. DD No:

Bank:

Date:

7. Address for Correspondence

8. Educational Qualifications with specialization:

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. Are 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.

Place:

Date:

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 Data Analytics* Sponsored by **Electronics & ICT Academy** during **30th April - 5th May, 2019** at **CMRIT, Hyderabad**.

Place:

Date:

Signature of Head of Institution

(With seal)

Address for correspondence

Dr. D. Baswaraj,
Coordinator,
FDP on IoT and Data Analytics
Department of Computer Science and Engineering
CMR Institute of Technology, Kandlakoya,
Hyderabad-501401 Telangana, India

Mail the scanned copies of filled-in and duly signed application form with DD to, csehod.cmrit@gmail.com

For more information visit: <http://nitw.ac.in/eict/>

<http://cmritonline.ac.in>

For any enquiry contact:

Mobile: 8008557616, 8332969418

Coordinators

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