FACULTY DEVELOPMENT PROGRAMME(FDP)

on

Real Time Embedded Systems and IoT, Its Applications

(29th October – 3rd November, 2018)

Organized by

DADI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Anakapalle, Visakhapatnam-531002.

in association with

National Institute of Technology, Warangal.

Under the Scheme of Electronics & ICT Academy

(Sponsored by Department of Electronics and Information Technology (DeitY), 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, Pondicherry and Andaman & Nicobar Islands. The Academy role is to offer Faculty Development Programme 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.

Dadi Institute of Engineering & Technology agreed to host a Faculty Development Programme (FDP) on **Real Time Embedded Systems and IoT, Its Applications** in the campus.

Major Course Contents:

- Introduction to Embedded Systems
- Introduction to Audrino Architecture
- Interfacing I/O s to Audrino
- Interfacing Wireless Module to Audrino
- Implementing IOT application using Adrinoboard LAB
- Introduction to Internet of Things
- IOT based route congestion monitoring A Case Study
- Introduction to Raspberry Pi
- Python Programming, Basic concepts & syntaxes in Python.
- Getting Started with RPi
- Socket communication, building an IoT Gateway
- MQTT Protocol & Gateway Implementation

Faculty Conducting this Programme:

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

Eligibility:

The programme is open to the faculty members 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 the 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-1 & CSE Labs, DIET.

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 host institute coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through email to **hodcse@diet.edu.in** as selection will be intimated only through mail. Program duration is 6 (six) working days.

Selection Criteria:

Selection will be done based on *first-come-first-serve basis upto 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 certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

Important dates:

Last date (Application & DD)	26th Oct 2018
Selection List by E-mail	27th Oct 2018
Duration	29th October to 3rd November-2018

About the Institutes:

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 DIET:

Dadi Institute of Engineering & Technology (DIET), established in the year 2006 is the top ranked institute approved by AICTE, and affiliated to JNTUK. The Institute is NAAC accredited, ISO Certified and also associated with many international professional bodies. DIET imparts quality Education with disciplined career enriched by moral values and ethical standards. DIET offers B.Tech., M.Tech., MBA and diploma courses. *visit www.diet.edu.in*

APPLICATION FORM

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1. Name   : ....
2. Institution:..
3. Email   :...
4. Mobile Number:..

DD:	Online transfer Reference No:
DD No:	
Amount :	
Bank:	
Date:	

5.   Address for Correspondence:

6.   Educational Qualification:

7.   Subjects taught so far:

8. No. of refresher courses/workshops attended:

9. Experience (in years):

     Teaching: Research: Industry:

10.   Accommodation required: YES /NO

11. Do you belong to SC/ST   :   YES/NO

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 **"Real Time Embedded Systems and IoT, Its Applications"** organised by Electronics & ICT Academy during 29th October to 3rd November-2018 at Dadi Institute of Engineering & Technology, Visakhapatnam.

Signature of Head of Institution
(with seal)

Address for correspondence
Post your application form with DD to
Dr.L.P. Kumar
Coordinator for FDP on" **Real Time Embedded Systems and IoT, Its Applications**" Professor & HOD, Department of CSE, DIET, NH-5, Anakapalle, Visakhapatnam – 531002.

E-mail the scanned copies of filled-in and duly signed application form along with DD to
hodcse@diet.edu.in

For more details about Electronics & ICT Academy, NITW, please visit:
http://nitw.ac.in/eict

For enquiries please contact:
Mobile: 9963994893
E-mail: hodcse@diet.edu.in

Coordinators

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Professor & HOD, Dept. of CSE,
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