Faculty Development Program (FDP)

On

Real Time Embedded Systems and IoT, Its Applications
30th April to 5th May - 2018

Jointly Organized by
Electronics & ICT Academy and
Department of Electronics and Communication and Engineering
DRK College of Engineering &Technology

Preamble:
"Electronics & ICT Academy" was set up at NIT Warangal with financial assistance from MstY, Gov. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Pondicherry 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 Workshop:
The “Embedded Systems” and “Internet of Things (IoT)” is becoming an increasingly growing topic of conversation both in the workplace and outside of it. There are so many complexities around the “Internet of Things” which we are going to discuss the “Things” in the session of Internet of Things.
The course focus on Raspberry Pi 3 upgrades, which is a next generation Quadcore Broadcom BCM 2837, 64-bit ARMv8 processor with Wi-Fi chip built in to Raspberry Pi. The course also focuses on Python Scripting Language and Basic Linux commands with applications of Embedded Systems and IoT.

Major Course Contents:
- Overview of Embedded systems in practical world
- Introduction to Sensors and Actuators
- Arduino and its Programming
- Interfacing sensors and actuators to Arduino
- Introduction to Internet of Things (IoT)
- Wireless communication technologies and protocols for IoT
- Implementing IoT with Arduino
- Introduction to Raspberry PI
- Programming RaspberryPI with Python
- Implementing IoT with RaspberryPI.

Registration Fee Particulars:

| Faculty & Research Scholars from Telangana, Andhra Pradesh, Karnataka, Goa, Pondicherry and Andaman & Nicobar Islands | Rs. 2500/- Only |
| SC/ST Faculty members from Telangana, Andhra Pradesh, Karnataka, Goa, Pondicherry and Andaman & Nicobar Islands | Rs. 1250/- Only |
| Industry participants | Rs. 7500/- Only |
| Participants from other States | Rs. 8500/- Only |

*SC/ST participants should submit the copy of their 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

| Demand Draft in favor of “Director, NIT Warangal” | Payable at any bank in Warangal. |
| Account Name: Electronics & ICT Academy NITW | Account No: 62423775910 |
| IFSC code: SBIN0020149 |

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.drkcet.edu.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 certificates on successful completion of the course along with grade. Reservations are followed for selecting candidates as per GOI norms.

Important dates:
Last date for submission of application: 10.04.2018
Selection-list intimation/display before: 12.04.2018

About NITW & DRK:
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.

About DRK:
The era of success of DRK College has started in 2006. Affiliation to Jawaharlal Nehru Technological University (JNTUH), Hyderabad was established with the permission of The All India Council for Technical Education (AICTE), New Delhi and Government of Telangana .Over these years DRK has added more feathers to its success story by including several courses of demand to its curriculum. The vision of the college is to impart quality technical education to mold students to be globally competitive technocrats, with an insight for exploration.
FORMAT OF APPLICATION
Electronics and ICT Academy
Faculty Development Programme
On
Real Time Embedded Systems and IoT, Its Applications
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1. Name: 
2. Designation: 
3. Institution: 
4. Email: 
5. DD No: Bank: Date: 
6. Address for Correspondence 
7. Educational Qualifications with specialization: 
8. Subjects taught so far: 
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 submit 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. 

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 Real Time Embedded Systems and IoT, Its Applications. Sponsored by Electronics & ICT Academy during 30th April to 5th May – 2018 at DRKCET, Hyderabad. 

Place: 
Date: 

Signature of Head of Institution 
(With seal) 

Address for correspondence

Mail the scanned copies of filled-in and duly signed application form with DD to jrk.nitw@nitw.ac.in, drkcteeceu5@gmail.com
For more information visit: http://nitw.ac.in/eict/http://www.drkcet.edu.in
For any enquiry contact:
Mobile: 08332969363
Land line: 0870-2462444 

Date: Signature of the applicant 

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Coordinators

Dr. J. Ravi Kumar 
Department of ECE, 
NATIONAL INSTITUTE OF TECHNOLOGY 
WARANGAL – 506 004 (Telangana State) 

Dr.N. Ramesh babu 
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