



FACULTY DEVELOPMENT PROGRAMME (FDP)

on

IoT for Emerging Technical Applications

(21st to 26th November 2016)

Organized by

Department of Information Technology, PVP Siddhartha Institute of Technology, Vijayawada

(Sponsored by Siddhartha Academy of General and Technical Education)

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” is being set up at NIT Warangal with financial assistance from DeitY, MCIT, and GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa States and Puducherry, Andaman & Nicobar Islands and Lakshadweep UTs. The role of the academy is to offer faculty development programmes in standardized courses and emerging areas of Computer Science, 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.

Objective of programme:

The aim of this programme is to introduce the participants to the amazing world of IoT and its fascinating applications. IoT is the idea of making devices and objects smarter by linking them to the internet. This technology frontier (IoT) with immense engineering applications is the need for today's industry and academia. 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 IoT, Current products, Open source electronics for IoT, IoT languages and its tools.
- Communication protocols, interconnections, system design and development, latest sensors and actuators.
- IoT cloud, Image processing applications in IoT.
- Data management and big data analytics in IoT.
- Research issues and case studies in IoT.

Hands-on training sessions will be provided with demos on real-time applications.

Organized at: The programme will be coordinated and conducted by Department of Information Technology of Prasad .V .Potluri Siddhartha Institute of Technology, Vijayawada. The whole course is handled by academicians from premier institutions, Industry experts and Research advisors.

Eligibility: The programme is open to the faculty of engineering colleges, MCA colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa states and Andaman and Nicobar Islands, Puducherry UTs. Research Scholars and other working professionals are also eligible.

Registration Fee Particulars:

Faculty members and Research Scholars from mentioned states: Rs. 2000/-

Industry participants: Rs. 6000/-

Participants from other states: Rs.8500/-

The participants need to send a crossed demand draft (DD) drawn in favor of “Director, NIT Warangal” and payable at SBH, NIT Warangal branch.

Accommodation: No TA/DA will be paid to the participants. Accommodation will be provided on prior request. Working Lunch, Tea & Snacks will be provided during the training in the campus.

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 on or before the last date by post/courier. Participants are requested to write their name and contact number backside of demand draft. It is also mandatory to send scanned application form and demand draft through E-mail to papinenivsl@gmail.com.

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 if 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) : 12/11/2016

Intimation of Selected members : 14/11/2016

Duration : 21st to 26th November 2016

About NIT, Warangal:

National Institute of Technology (formerly Regional Engineering College), Warangal is an Institute of National Importance and fully funded by MHRD, Govt. of India. It offers various programmes in B.Tech, PG, MTech and Ph.D.

About PVPSIT:

Prasad V. Potluri Siddhartha Institute of Technology, sponsored by Siddhartha Academy of General and Technical Education was established in the year 1998. It is an autonomous institute having permanent affiliation to JNTU, Kakinada and the institution is accredited by NBA, NAAC and AICTE. The institute aims to promote Quality Technical Education and create innovative, self-initiative and skilled Engineers. PVPSIT is situated in a calm and serene Environment at Kanuru, 6 km from the heart of the city, Vijayawada. The Institute offers eight under graduate programs. It also offers master's program of M. Tech in CSE, ME, EEE, and ECE in addition to MCA and MBA.

APPLICATION FORM
PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY
in association with
Electronics & ICT Academy - NITW
FACULTY DEVELOPMENT PROGRAMME (FDP) on
IoT for Emerging Technical Applications
(21st to 26th November 2016)

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):

12. Teaching:

Research:

Industry:

12. Accommodation required: YES / NO

13. 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 “**IoT for Emerging Technical Applications**” sponsored by Electronics & ICT Academy during **21st to 26th November 2016** at PVP Siddhartha Institute of Technology, Vijayawada – 520007 .

Signature of Head of Institution
(with seal)

Address for correspondence

Post your application form along with DD to

Dr. PVS Lakshmi,
Professor, Dept of IT,
Prasad V. Potluri Siddhartha Institute of Technology,
Kanuru, Vijayawada– 520007
Mail id: papinenivsl@gmail.com

Mail the scanned copies of filled-in and duly signed
Application form along with DD to
papinenivsl@gmail.com

For more Information visit: <http://www.nitw.ac.in/eict/>
For any enquiry contact Coordinators:

Dr. PVS Lakshmi.
Mobile: 9640358424

Coordinators:

Prof. D. V. L. N. Somayajulu,
Chair,
E&ICT Academy,
NIT Warangal-5060004

Dr. PVS Lakshmi
Professor, Dept of IT,
PVP Siddhartha Institute of
Technology
Vijayawada– 520007.

Faculty Development Programme (FDP)ON
Appendix I : IOT for Emerging Technical Applications
(21 - 26, November 2016)

Tentative Schedule

Day& Date	9.00 – 11.00		11.15 – 13.15	14.00 – 16.00	16.15 – 17:15	
Monday 21.11.2016	Registration From 9.30am	Inaugural Address At 10.00am	Introduction to IOT Dileep Parchuri, Intel, B'lore	Applications of IOT and Medical Device - Case Study Dileep Parchuri, Intel, B'lore	Overview of IOT Projects Dileep Parchuri, Intel, B'lore	
Tuesday 22.11.2016	Protocol Stack in IoT RRR		Sensors and Actuators RRR	Intelligent D2D Communication RRR	Intelligent D2D Communication RRR	
Wednesday 23.11.2016	Data Management and Big Data Analytics in IoT AJK		Data Management and Big Data Analytics in IoT AJK	Data Management and Big Data Analytics in IoT AJK	Data Management and Big Data Analytics in IoT AJK	
Thursday 24.11.2016	Research Topics in IoT and Smart cities AN		Research Topics in IoT and Smart cities AN	Research Topics in IoT and Smart cities AN	Research Topics in IoT and Smart cities AN	
Friday 25.11.2016	Service Discovery in IoT RRR		Service Discovery in IoT RRR	Security and Privacy in IoT SC	Security and Privacy in IoT SCV	
Saturday 26.11.2016	Software Defined Networking and Its Application over IoT Based System SCV		Software Defined Networking and Its Application over IoT Based System SCV	Role of Distributed Data Analysis in IoT DVS	Overview SWEBOK Yatindranath, IEEE	Valedict ory Function

Contact Details of External Speakers:

- a) D V L N Somayajulu (DVS) , somadvlns@gmail.com,
- b) Atul Negi (AN), University of Hyderabad; atulcs@uohyd.ernet.in
- c) Rashmi Ranjan Rout (RRR), NIT, Warangal; rashmi@iitkgp.ernet.in
- d) Dileep Parchuri (DP), Intel dileep.paruchurai@intel.com
- e) Sandip Chakravorthy (SCV), IIT, KGP; sandipc@cse.iitkgp.ernet.in
- f) Anup Jayant kelkar (AJK), NGP; anupkelkar02@gmail.com

Local Coordinator at PVP, BZA:

Dr P V S S Lakshmi, Professor of IT, papinenivsl@gmail.com, 9640358424;