



J.B.INSTITUTE OF ENGINEERING AND TECHNOLOGY

(UGC AUTONOMOUS)

Accredited by NAAC, Approved by AICTE & Permanently affiliated to JNTUH

REPORT ON

**“FDP ON SENSOR NETWORK INTERNET OF
THINGS AND INTERNET OF EVERYTHING”**

On

8-08-2019 TO 10 -08- 2019

Chief Guest and Keynote Speaker

Dr. M. GIRI

Associate Professor

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

INSTITUTE - VISION

To be a centre of excellence in engineering and management education, research and application of knowledge to benefit society with blend of ethical values and global perception.

INSTITUTE - MISSION

1. To provide world class engineering education, encourage research and development.
2. To evolve innovative applications of technology and develop entrepreneurship.
3. To mould the students into socially responsible and capable leaders.

DEPARTMENT - VISION

To be a guiding force enabling multifarious applications in Electronics and Communications Engineering, promote innovative research in the latest technologies to meet societal needs

DEPARTMENT - MISSION

1. To provide and strengthen core competencies among the students through expert training and industry interaction.
2. To promote advanced designing and modelling skills to sustain technical development and lifelong learning in ECE.
3. To promote social responsibility and ethical values, within and outside the department.

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 1998 with an intake of 60 in B.Tech. The intake was increased to 90 in the year 2000 and 120 in the year 2004. The M. Tech program in VLSI System Design was introduced in 2005 with an intake of 18 and it was raised to 24 in 2014. The B.Tech. Program was accredited by NBA in 2006.

The Department of ECE is best known for its talented and dedicated professionals renowned for their excellence in various specializations in the field of Electronics & Communication Engineering. The faculties have completed two **consultancy research projects** and one more project is ongoing. 6 faculties have patents including National and Australian Govt.

The Department is provided with state-of-the-art technological tools incorporated in all the existing laboratories. For the last ten years, the students of ECE, who walked out of the portals of the institute successfully, holding their degrees, were immediately inducted into the MNCs of high reputation in India & abroad.

ABOUT THE FDP

The growth of the Internet of Things (IoT) is explosive and unsustainable under various applications such as Smart cities, agriculture, health care, industries, etc. IoT is a technology that has deliberately grown momentum and is now silently shaping the future. IoT is the result of humankind's intention and curiosity to lead a connected and convenient lifestyle, reducing the chances of human errors and decreasing labor. IoT is an ecosystem of various interconnected physical objects that are accessible through the internet, and they can be controlled from anywhere. IoTs provide improved process efficiency, proper utilization of assets, and productivity with low-cost. IoT provides deep functionality and broad, connecting the edge nodes to the cloud, so we can build better solutions in various fields using IoT. Wireless sensor network (WSN) is the backbone to the IoTs. Since IoT integrates with machine learning algorithms for the WSNs data, we can make Things or objects smarter, even with/without Internet connectivity

Objectives

The objectives of the FDP are:

- To introduce & familiarize the research aspects of Sensors, Internet of things, Security & Machine Learning.
- To learn about the tools available for realizing the theoretical concepts along with their applications. To familiarize the audience with the methodology adopted by the IT industry for the development of products of these domains.

To gain experience of working with these technologies in real-life scenarios

Poster



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AND INTERNET OF EVERYTHING**

on

8-08-2019 TO 10-08-2019

BY
Dr.M.GIRI
Assoc. Professor

DEPARTMENT OF ECE

BROUCHER:

HARD COPY SHOULD BE PLACED



J.B. INSTITUTE OF ENGG & TECHNOLOGY
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DEPT. OF ELECTRONICS & COMMUNICATION ENGINEERING

8/4/2019

CIRCULAR

All the faculty member are here by Informed / Invited to Participate in the Faculty Development Program (FDP) on **SENSOR NETWORK INTERNET OF THINGS AND INTERNET OF EVERYTHING.**

Date and Time - 8-08-2019 TO 10 -08- 2019, 10:30:00 AM

Venue - Seminar Hall

Note - To be Circulated to all faculty.

HOD-ECE

HOD - ECE
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Permanently Affiliated JNTUH)
Bhaskar Nagar, Moinabad Mandal
Hyderabad-500 075.

Speaker Profile:

Dr. M.GIRI

Dr. M.GIRI, Assoc. Professor & HOD of Computer Science and Engineering, Joginpally B.R. Engineering College, Moinabad, Hyderabad. He did his B.Tech in Computer Science & Engineering from Sree Vidya Nikethan Engineering College, Tirupati, affiliated to Jawaharlal Nehru Technological University Hyderabad, in 2001. He did his M. Tech. in Computer Science & Engineering from School of IT, Jawaharlal Nehru Technological University Hyderabad Campus, Hyderabad in 2009. He did his Ph.D in Computer Science & Engineering from Rayalaseema University, Kurnool, in 2018. He is having 17 Years of Teaching Experience. He organized & participated in various Workshops, FDPs, Seminars in different areas of Computer Science during his Tenure. He published 68 Papers in various reputed International/National journals and Conferences. He is guiding two research scholars in JJTU and Bharathiyar University. He is a Member of IEEE, MCSIT, MIAENG, and MCSTA. His research area includes Data Mining, Wireless Sensor Networks, Artificial Intelligence, Cryptography, Network Security, Cloud Computing, and IOT.



PROGRAMME SCHEDULE

S.NO	Date	Session Time	Details of Session
1.	08.08.2019	10:30-12:30	Overview and Recent Trends of WSN Localization in WSN, Security– Research Perspective Device Level
2.	08.08.2019	1:30-3:30	Routing in WSN Coverage, Connectivity Issues in WSN Security Issues in WSN Network
3.	09.08.2019	10.30-12.30	challenges IoT,Fundamentals IoT Protocol Stack
4.	09.08.2019	1:30-3:30	Programming in IoT Mathematical Foundations of Machine Learning
5.	10.08.2019	10:30-12:30	Optimization Techniques Familiarizing with Python Machine
6.	10.08.2019	1:30-3:30	Learning using Python Hands on WSN

Participants list

Sl. No	Name of the Faculty	Designation	Qualification
1.	DR. TOWHEED SULTANA	PROFESSOR & HOD-ECE	PH.D.
7.	MR. N. RAMESH BABU	ASSOCIATE PROFESSOR	M.E
8.	MR. RAJKUMAR D BHURE	ASSOCIATE PROFESSOR	M.E
9.	MRS. K. SNEHALATHA	ASSISTANT PROFESSOR	M.TECH

10.	MR. V.V.V.S. PRASAD	ASSISTANT PROFESSOR	M.TECH
11.	MR. G. ANAND	ASSISTANT PROFESSOR	M.E
12.	MRS. G. SAMATHA	ASSISTANT PROFESSOR	M.E
13.	MR. D. SRIKANTH	ASSISTANT PROFESSOR	M.TECH
14.	MR. D. KOTYA	ASSISTANT PROFESSOR	M.TECH
16.	MRS. B. SOWMYA	ASSISTANT PROFESSOR	M.TECH
17.	MR. P. RAVIKIRAN	ASSISTANT PROFESSOR	M.TECH
19.	MR. K. RAJENDHAR REDDY	ASSISTANT PROFESSOR	M.TECH

Feedback Evaluation Form

1) What is your overall assessment of the event? (1 = insufficient - 5 = excellent)

1 2 3 4 5

2) Which topics or aspects of the workshop did you find most interesting or useful?

- _____
- _____
- _____
- _____

3) Did the workshop achieve the programme objectives?

Yes

No

If no, why?

4) Knowledge and information gained from participation at this event?

Met your expectations

Yes

No

Somehow

Will be useful/applicable in my work

Definitely

Mostly

Somehow

Not at all

5) How do you think the workshop could have been made more effective?

6) Please comment on the organization of the event (from 1 = insufficient to 5= excellent)

1

2

3

4

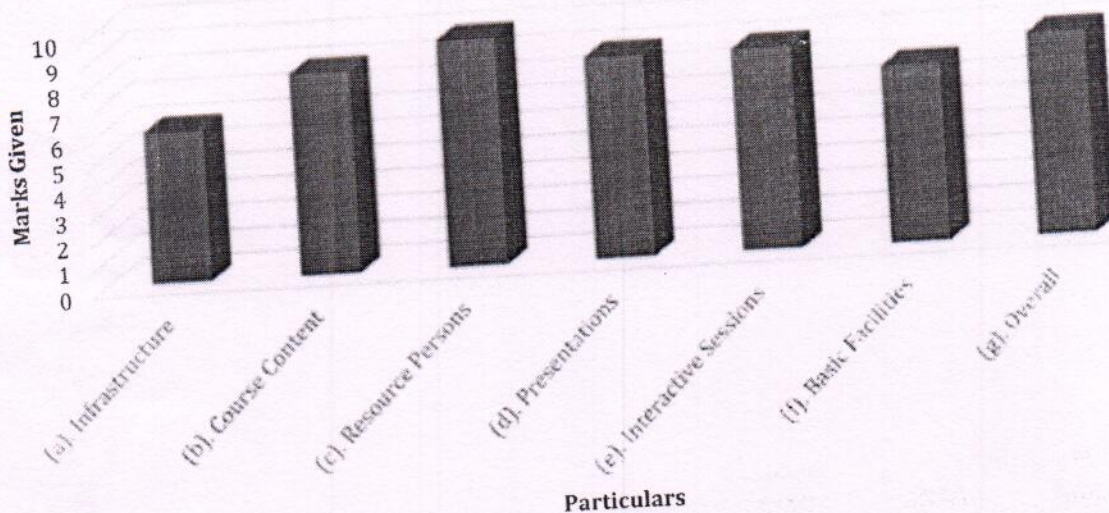
5

7) Comments and suggestions (including activities or initiatives you think would be useful, for the future)

Further comments or suggestions

FEEDBACK ANALYSIS:

Rating to the different aspects of FDP



Shahid

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