



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

Sponsored by Lavu Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 21/12/2020

PROGRAM REPORT

Name of the Add on Course: Design of IoT applications

Day/Duration: 14/12/2020 to 19/12/2020 6 (Days) - 36Hrs

Time: 09:00am to 03:30pm

Resource Person: Mr.P.Rajendra Prasad, Assistant Professor, Dept of CSE, VMTW.

Name of the Coordinator: Mr.M.Uday Kumar, Assistant Professor, Dept of CSE, VMTW.

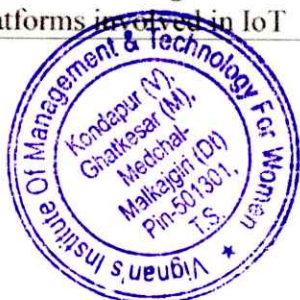
Number of the Participants: 86

Topics covered: The following topics covered in this program

- IOT Requirements, Functionalists, and structure of IOT, IoT enabling technologies, IoT Architecture, The major component of IOT (Hardware & Software), IoT communication and networking protocols.
- Platforms: Micro Controllers (Arduino uno/mega2560, Raspberry-Pi, ARM), Real-time systems, and embedded software, OS and Drivers (End Device Program), Hardware & Software Requirements.
- How to transfer data by Wireless / Wired connectivity, Ipv4/Ipv6, Ethernet/GigE, MIPI, M-PHY, UniPro, SPMI, BIF, Overview and Role of Storage in Cloud / Server/Inhouse Storage, Databases Connectivity.
- Visualization: Analysis Of data using the Ipython Module, Visualization and interpretation of Data.

Course Outcomes:

COs	At the end of the course, students will have the ability to:	Pos Mapped	Strength of mapping
CO1	Understand the basics of IoT.	PO1,PO2	4
CO2	Implement the state of the Architecture of an IoT	PO1,P04	3
CO3	Understand design methodology and hardware platforms involved in IoT	P02	2



PRINCIPAL

Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt.)-501301
Telangana State



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

Sponsored by Lavu Educational Society, Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.
Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



CO4	Compare IOT Applications in Industrial & real world.	P02,PO5	3
CO5	Identify sensor technologies for sensing real world entities and understand the role of IoT in various domains of Industry	PO2	3



Mr.P.Rajendra Prasad delivering addon course on Design of IoT applications through online mode

uday
COORDINATOR

S. Arun
HOD

Head of The Department
Computer Science and Engineering
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301
Telangana State



Ash
PRINCIPAL

Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (Dt)-501301