

R.M.D Engineering College

Internet of Things Centre of Excellence

- The visionary Management intends to bridge the gap between Academic and industry. The students are provided with in-depth training in niche areas so that the students are job ready. In line with this vision, the R.M.D. Engineering College has identified the key emerging technology as Internet of Things. **Internet of Things** is offered for ECE, EEE and EIE students. This facilitates CoE students to learn and work with various simulators and open source software in the IoT, Cloud computing and Embedded domain.

VISION

- ✓ To prepare our students for a rapidly changing world by equipping them with the ability to analyze and solve engineering problems.
- ✓ To build up awareness among budding engineers and equip them with knowledge and skill in the field of Internet of Things.
- ✓ To provide placement opportunity in industries related to Internet of Things.

Core Team Members

SPOC: Dr.G.Nalinashini, Professor/EIE, RMDEC

Coordinator: Dr.C.Shobana Nageswari, Associate.Prof./ECE, RMDEC

Mrs. N.Padmavathi, Associate.Prof./EIE, RMDEC

List of Advisory Committee members

Mr.Atul Shitkande,Senior Manager, **Johnson Controls India Ltd**

Mr.Dilip Kumar Muni,Head –GECOC IN, **Siemens Ltd**

Mr.D. Ramesh Babu, Joint General Manager, **L&T Technology Services**

Ms. Bhanumathy , Managing Director, **VenbaTech Pvt Ltd**

Mr. K.Balasubramanian, Managing Director, **Q Pro Consulting Engineers**

Mr.J.Vishnuvardhan,Chief Managing Director, **Trend Instrumentation&Automation Ltd.**

Activities

- Train the trainer- Faculty development Program.
- Students Projects and internships.
- Theory and Practical sessions on Internet of Things by CoE core team members and resource persons from renowned Industries.
- Guest lectures by expert team members
- Advisory committee member meeting with resource persons from renowned Industries.
- Development of Projects by the students and demonstration to industry experts
- Participating in Corporate Contests

Faculty Training/Certifications

S.No	Training Dates/Days	Venue	Participants	Training Content	Certification
1	15/04/2020 To 19/04/2020	Online	Dr.G.Nalinashini	Internet of Things	NITTTR, Chandigarh
2	15-11-2019 To 19-11-2019	IIITDM,Kancheepu ram		FDP on Internet of Things: Concepts and Implementation	ATAL ACADEMY
3	09-08-2019 To 10-08-2019	SRMIST, Ramapuram		Workshop on Internet of Things in Electrical and Electronics Engineering	SRM-Pantech Solutions
4	07-05-2018 To 12-05-18	R.M.D.Engineering College		Refresher programme on IoT Technologies	R.M.D.Enginee ring College
5	Jul – Oct 2019	online		Internet of Things	NPTEL- AICTE FDP
6	07-05-2018 To 12-05-18	R.M.D.Engineering College	Mrs.N.Padmavathi	Refresher programme on IoT Technologies	R.M.D.Enginee ring College
7	Jan – April 2019	NPTEL Course		Introduction to Internet of Things	NPTEL
8	07-02-2020 To 11-05-2020	Online		FDP on Internet of Things	ATAL
9	14.05.2020	Online		Moving forward with IoT	RMKCET
10	11.5.2020 To 15.5.2020	Online	Dr.C.Shobana Nageswari	FDP on Image and Embedded Systems	NITTTR, Chandigraph
11	2.10.2020 To 4.10.2020	Online		Workshop on IOT using Raspberry Pi	VIT- Pantech,Chenn ai
12	23.11.2020 To 27.11.20	Online		Online FDP on Internet of things(IoT)	ATAL Academy

IoT Course Content

Topics

- Getting started with IoT and Arduino
- Interfacing various sensors and bluetooth module
- Working with WiFi Module – ESP8266
- Tweeting data using NodeRed
- Mini Projects using Arduino and Thingspeak Cloud
- Getting started with Python and Raspberry Pi
- Interfacing Raspberry Pi with various sensors
- Working with AWS Cloud and Azure Cloud
- Introduction to Bolt IoT Module
- Mini Projects using Raspberry Pi and Thingspeak Cloud

List of Webinars Organized

S.No	Programme	Poster
1	Organized Webinar on “ Role of Data Analytics in Internet of Things” by Ms.Jayashree Logesh, Senior Data Analyst, Capital One Financial Services, Virginia, USA on 02.05.2020	
2	Organized Webinar on “ Internet of Things and its Applications in Automobiles by “Mr.K.A.Thangamurugan, Director, Five House innovative Solutions Pvt Ltd, Chennai on 20.05.2020	
3	Organized Webinar on “ Recent Innovations in Internet of Things “ by Ms.Malaika Afra Taj, Research Intern, National University of Singapore, Singapore on 13.06.2020	