

R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY

RSM NAGAR, PUDUVOYAL 601206



**CENTRE OF EXCELLENCE
IN
INTERNET OF THINGS**

**Webinar
on
Internet of Things and its Applications
in Automobiles**

SPEAKER

Mr. K. A. Thangamurugan

Director, Five House Innovative Solutions Pvt. Ltd

COORDINATORS

Dr. G. Nalinashini
Professor/EIE/RMDEC

Mr. R. Vijay Anandh
ASP/ECE/RMKCET

Mrs.B.Praveena
AP/EIE/RMKEC



20.05.2020

11.00 AM – 12.00 NOON



EVENT POSTER:



R.M.K GROUP OF INSTITUTIONS
CENTRE OF EXCELLENCE IN INTERNET OF THINGS



WEBINAR ON

Internet of Things and its Applications in Automobiles

SESSION EXPERT

DATE AND TIME

20th May 2020
Wednesday
11.00 a.m. - 12.00 noon.



Mr.K.A.THANGAMURUGAN

TARGET AUDIENCE

II year IoT-CoE Students
(ECE, EEE, EIE)

Register Here
<https://bit.ly/366FyVV>

DIRECTOR
Five House Innovative
Solutions Pvt .Ltd.



SESSION COORDINATORS

Mrs.B.PRAVEENA
ASSISTANT PROFESSOR/ EIE
R.M.K ENGINEERING COLLEGE

Dr.G.NALINASHINI
PROFESSOR/ EIE
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Mr. R.VIJAY ANANDH
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REPORT:

Summary

This webinar covered the basics of Internet of Things, its evolution and applications in automobile industry as case study. The need for IOT and its challenges were discussed along with detailed explanation of networking, M2M communications, service platforms, connected homed ,connected vehicles, sensors, gateways, cloud, deployment, vehicle to -vehicle, network, infrastructure, pedestrians, maintenance services, data security, intelligent analytics and adding value to customers.

BRIEF REPORT:

Objective – The webinar is aimed to provide an insight of IoT components ,its technologies and applications in automobile industry and finally to discuss real case uses.

The session started with the introduction of IoT and its components. The software and hardware components used in the network are also discussed.



The speaker discussed the various scenarios of applications of IoT in the following Domains:

- **Vehicle to Vehicle Communication**
- **Vehicle to infrastructure Communication**
- **Vehicle to Pedestrian Communication**
- **Vehicle to Network Communication.**

BRIEF REPORT:

The speaker also addressed the various challenges in the IoT Domains,

- ❖ **Cross Domain Expertise**
- ❖ **Interoperability between the systems**
- ❖ **Communication with internet**
- ❖ **Powering end sensors**
- ❖ **Identification and authentication technologies**
- ❖ **Data securities and privacy issues**
- ❖ **Intelligent analysis**

CONCLUSION:

The students understood the need for IoT, its components requirements , simple block diagram of hardware and software tools and how to integrate the systems. They could also identify the skills and interests that need to be focused during their tenure in Engineering life.

SAMPLE FEED BACK:

The session was very useful to know about the new technologies involved with IOT. This will definitely be the first step towards my career.

-S.RAGHUNATH

The session was very informative and interesting sir. Thanks! for the valuable webinar sir!!

-PRIYADHARSHNI P

Sir, We felt this webinar is quite informative and we learnt many things from the webinar. We were hoping much more webinar and works to progress in the career of IoT development.

Convey, my special thanks to Mr.Thangamurugan sir on be half of RMKCET students.

-JASWANTH REDDY PADALA

SAMPLE FEED BACK:

The webinar was very informative and interesting. We came to know many things about IOT and its applications. Also its uses in our day to day activities. It was really informative. Thank you for organising such an informative and interesting session on one of the most important technology IOT. Once again THANK YOU so much sir for such an informative event .

-ARUNA T

Today's webinar is about IOT AND ITS APPLICATIONS IN AUTOMOBILES, presented by MR. THANGAMURUGAN. The things which was covered today are dynamic and knowledgeable. IOT empowers things to grant and exchange data. The applications of IOT in automobiles are providing a potential platform for achieving a prosperous society in which people and vechiles exist in harmony.

-NANDHINI - RMKEC