



Region 10

IEEE PES MSIT Student Chapter

EVENT REPORT

INTERNET OF THINGS WEBINAR

Chapter Advisor	Chairperson	Vice-Chairperson	General Secretary	Treasurer	PR Representative
Dr. Jyoti Jain	Jigyasa Kaur Chawla	Priyanshu Prasad	Ifra Siddiqua	Subrat Ranjan	Pranav Sood

POSTER OF THE EVENT

IEEE MSIT
Maharaja Surajmal Institute of Technology
Department of Electrical & Electronics Engineering
and IEEE PES MSIT
presents Webinar on

INTERNET OF THINGS

DATE - 16 AUGUST 2024
TIME - 2:30 PM
VENUE - ONLINE

CONVENER:- DR. JYOTI JAIN
CO-ORDINATORS:- DR NIDHI GUPTA
CO-ORDINATORS:- DR SONIA GOEL
CO-ORDINATORS:- DR RAKHI RAMRA

REGISTER HERE

Date: 16 AUGUST 2024

Time: 2:30-3:30 PM IST

Platform: Zoom Meet

- The **IEEE PES MSIT** chapter along with **EEE department of MSIT** recently organized a webinar on the **Internet of Things (IoT)**, featuring a speaker from **Pantech e Learning**. The event attracted an audience of 20+ participants and was conducted under the guidance of IEEE PES MSIT, offering valuable insights into the features, applications, and architecture of IoT.

- The speaker skillfully led the session, captivating the audience with an in-depth presentation on the key features of IoT:

- **Connect:** The importance of seamless communication between devices via the internet.
- **Analyze:** The ability to process and analyze vast amounts of data to derive actionable insights.
- **Integrate:** The integration of various technologies such as AI, cloud computing, and big data to enhance IoT functionality.

- The webinar also delved into the practical applications of IoT, with a focus on:

- **Disaster Management:** The role of IoT in early detection and response to natural disasters through real-time monitoring.
- **Smart Cities:** How IoT is revolutionizing urban living with smart solutions for traffic management, waste collection, and energy efficiency.

- One of the highlights of the session was the detailed explanation of the 5-layer IoT architecture: **Perception Layer, Network Layer, Processing Layer, Application Layer and Business Layer.**

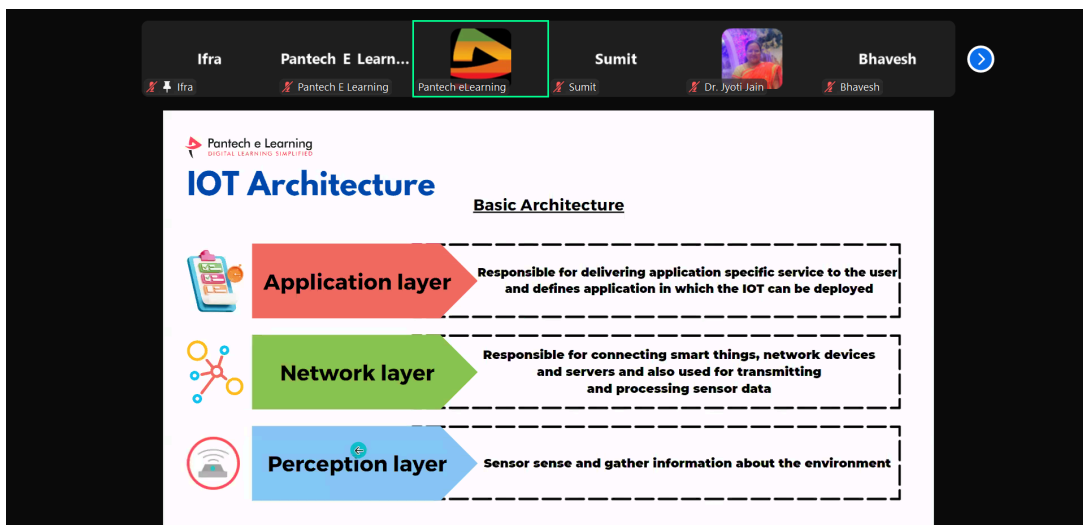
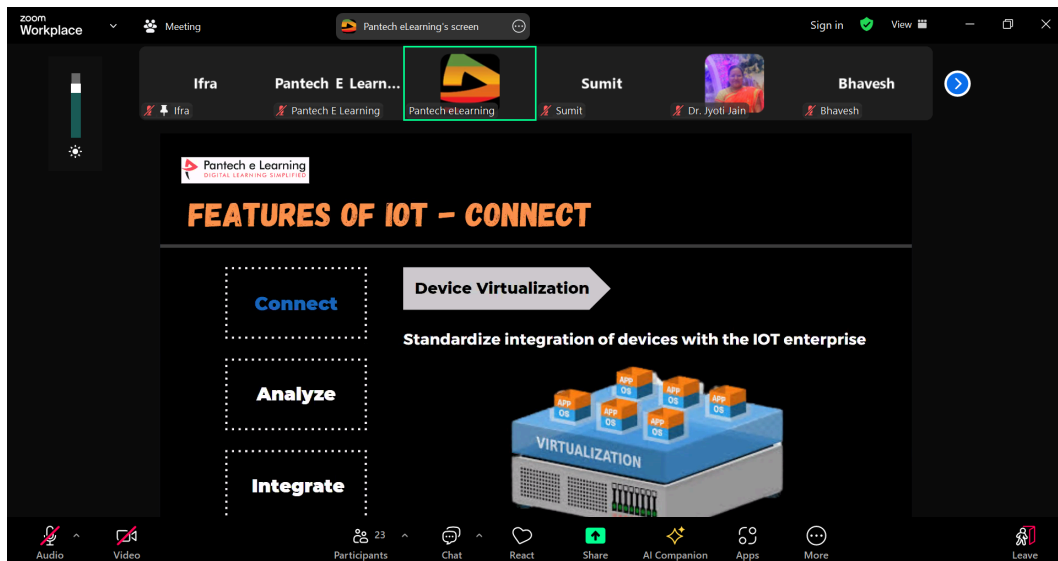
- The interactive session allowed participants to engage directly with the speaker, asking questions about IoT's challenges, opportunities, and future trends. The speaker's responses provided valuable guidance and encouraged participants to explore the potential of IoT in their respective fields.

- The webinar was a success, attended by members of the IEEE PES MSIT Student Chapter, and MSIT students. **Dr. Jyoti Jain**, the Chapter Advisor for IEEE PES MSIT, was also present during the event, contributing to its overall success.

ORGANIZING COMMITTEE

Chapter Advisor	Chairperson	Vice-Chairperson	General Secretary	Treasurer	PR Representative
Dr. Jyoti Jain	Jigyasa Kaur Chawla	Priyanshu Prasad	Ifra Siddiqua	Subrat Ranjan	Pranav Sood

PHOTOGRAPHS OF THE EVENT



Zoom Meeting Participants: Ifra, Pantech E Learn..., Pantech eLearning, Sumit, Dr. Jyoti Jain, Bhavesh

Pantech e Learning DIGITAL LEARNING SIMPLIFIED

5-Layer Architecture

	Business Layer	Manage the whole IOT system, including applications, business and profit models and user's privacy
	Application Layer	Responsible for delivering application specific services to the user
	Processing Layer	Stores, analysis, and processes huge amounts of data, employs databases, cloud computing and big data processing modules
	Transport Layer	Transfers the sensor data between layers through networks such as wireless, 3G, LAN, Bluetooth, RFID
	Perception Layer	Sensors senses and gather information about the environment

Zoom Meeting Participants: Ifra, Pantech E Learn..., Pantech eLearning, Dr. Jyoti Jain, Bhavesh, Ansh Bansal MS...

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Applications of IOT

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graph TD
    A[Applications] --- B[Disaster Management]
    A --- C[Industrial Automation]
    A --- D[Agriculture]
    A --- E[Smart Cities]
    A --- F[Health Care]
    A --- G[Everyday life]
  
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ATTENDANCE

Total – 23

IEEE Members – 5

Non-IEEE Members – 18