Department of

Electronics and Communication Engineering

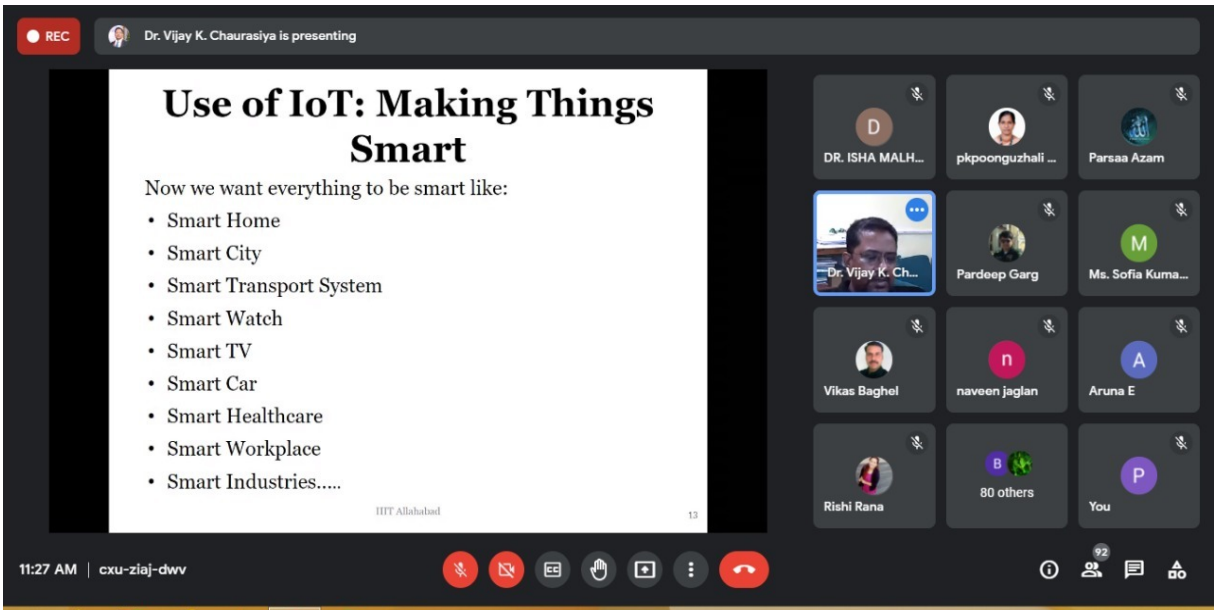
Jaypee University of Information Technology Waknaghat

Event Report: Session-2

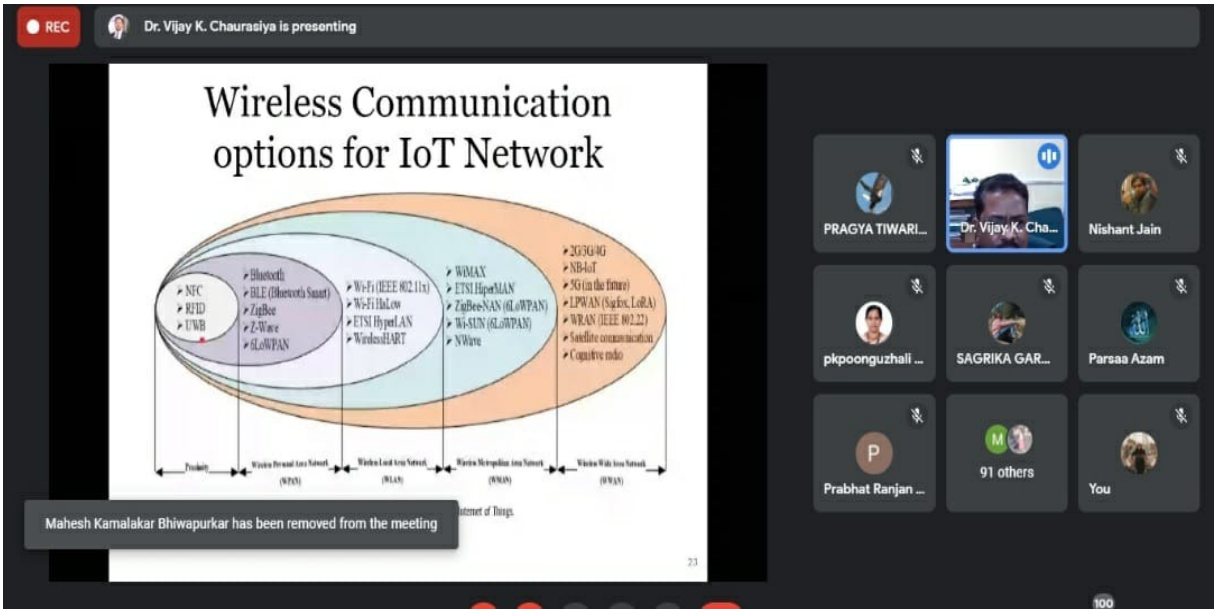
10th July, 2021

Department of Electronics and Communication Engineering of Jaypee University of Information Technology, Solan organized an amazing second session of "Workshop on Industrial Revolution 4.0" on 10th July 2021. The topic of the second session was **Introduction to IOT: Research Issues and Challenges** conducted by an honourable speaker **Dr. Vijay Chaurasiya,** Associate Professor, Department of Information Technology at IIIT Allahabad.

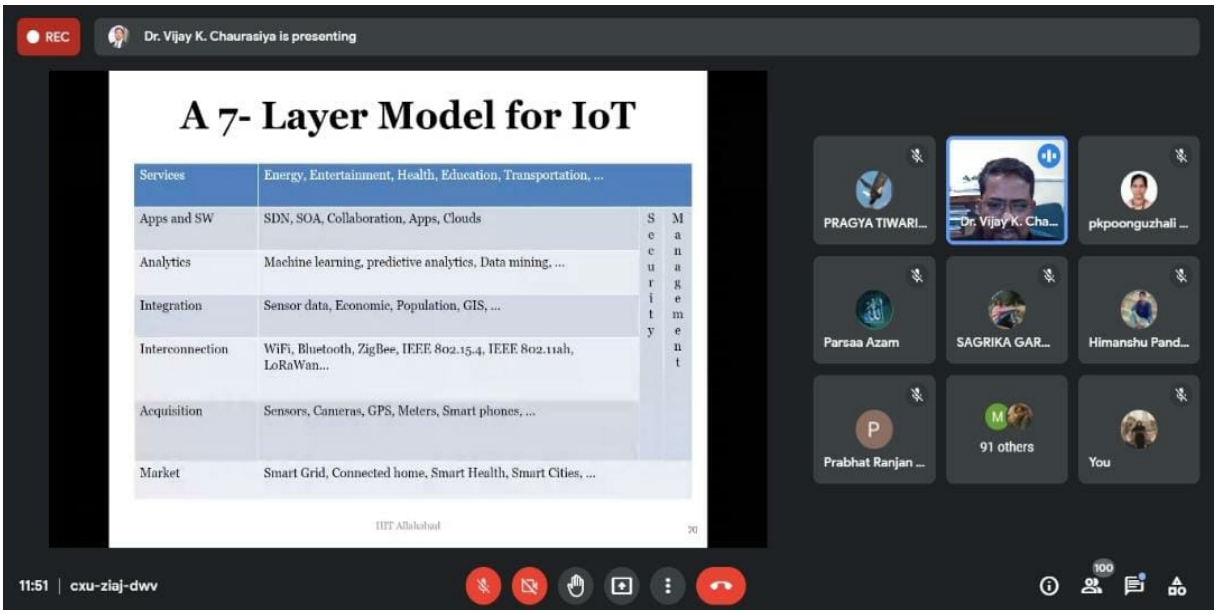
Student Member of Technovatorz Club, **Ms. Pragya** and **Ms. Sagrika** welcomed and introduced the second session speaker **Dr. Vijay Chaurasiya**. Our eminent speaker served as an inspiration to participants by delivering his motivation towards the domain of Internet of Things and his immense great work in various fields including Computer Networks, Machine Learning, Applications and Protocols and Wireless Networks.

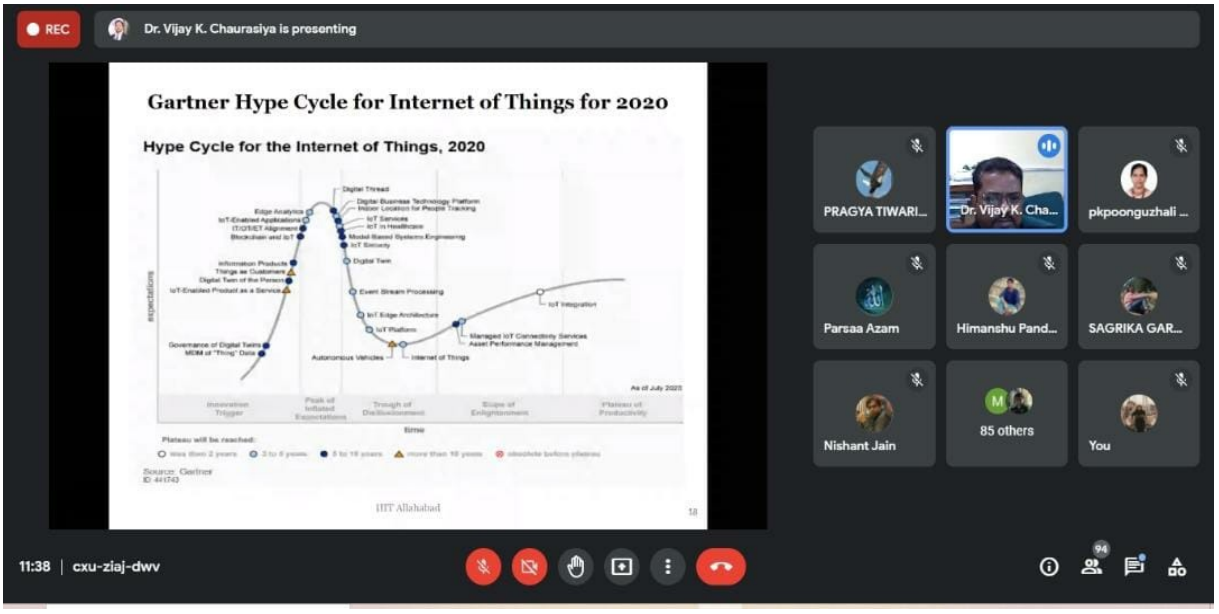


He explained that IoT solutions have become a regular part of our lives from the smartwatch on your wrist to industrial enterprises, connected devices are everywhere. Having things work for us is no longer sci-fi fantasy and also highlighted the industry 4.0 concept to participants and presented examples of solutions that are altering the manufacturing industry. He gave an overview of recent trends in Industrial Revolution 4.0 trends of wireless connectivity, AI, ML, Computation, Research issues and IoT Industry applications.

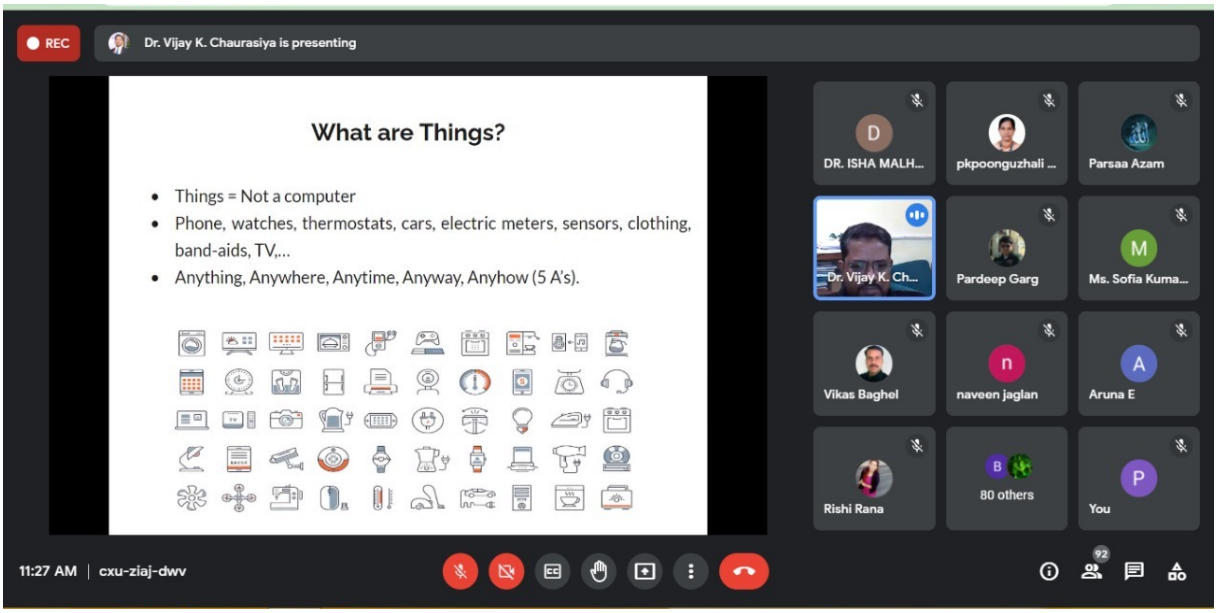


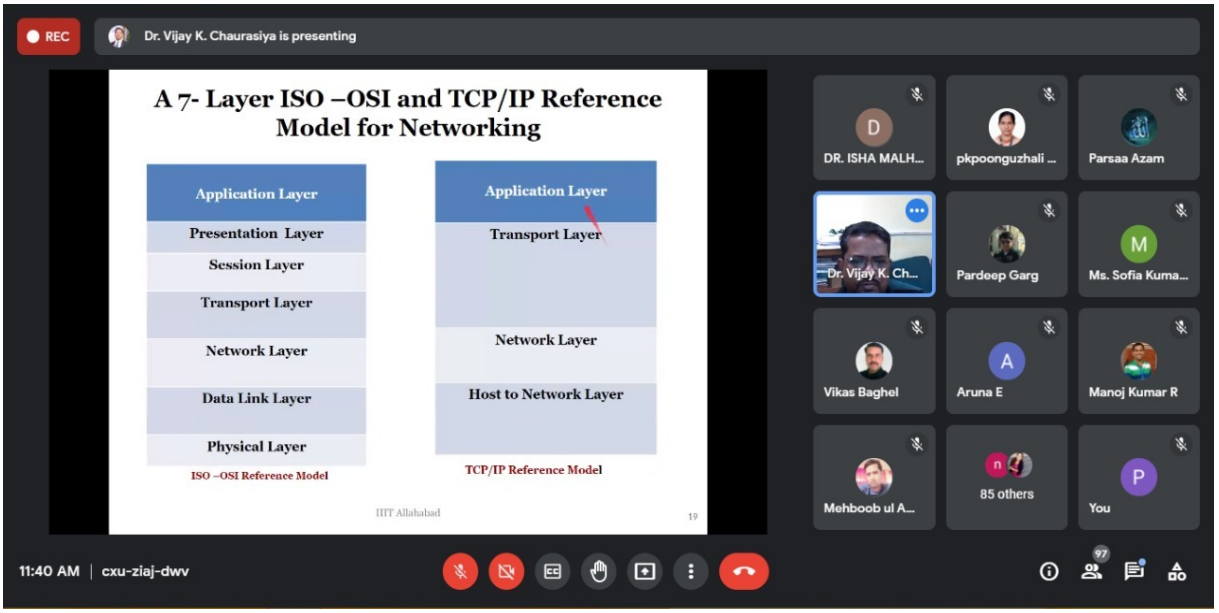
His experience in the field of IOT changed our perception from the primitive knowledge of communication to interaction between sensors, devices, gateways, servers, and user applications is the essential characteristic that makes the Internet of Things and what enables all this smart stuff to talk and interact are the IoT protocols which can be seen as languages that the IoT gear uses in order to communicate.





The two-hour long workshop was appreciated by the participants and helped them gain a good amount of knowledge in the domain of Internet of Things.


REC
Dr. Vijay K. Chaurasiya is presenting
What are Things?
Things = Not a computer
Phone, watches, thermostats, cars, electric meters, sensors, clothing, band-aids, TV,...
Anything, Anywhere, Anytime, Anyway, Anyhow (5 A's).
DR. ISHA MALH...
pkpoonguzhali ...
Parsaa Azam
Dr. Vijay K. Ch...
Pardeep Garg
Ms. Sofia Kuma...
Vikas Baghel
naveen jaglan
Aruna E
Rishi Rana
80 others
You
11:27 AM | cxu-ziaj-dwv


REC
Dr. Vijay K. Chaurasiya is presenting
A 7- Layer ISO –OSI and TCP/IP Reference Model for Networking
Application Layer
Presentation Layer
Session Layer
Transport Layer
Network Layer
Data Link Layer
Physical Layer
ISO –OSI Reference Model
Application Layer
Transport Layer
Network Layer
Host to Network Layer
TCP/IP Reference Model
IIIT Allahabad
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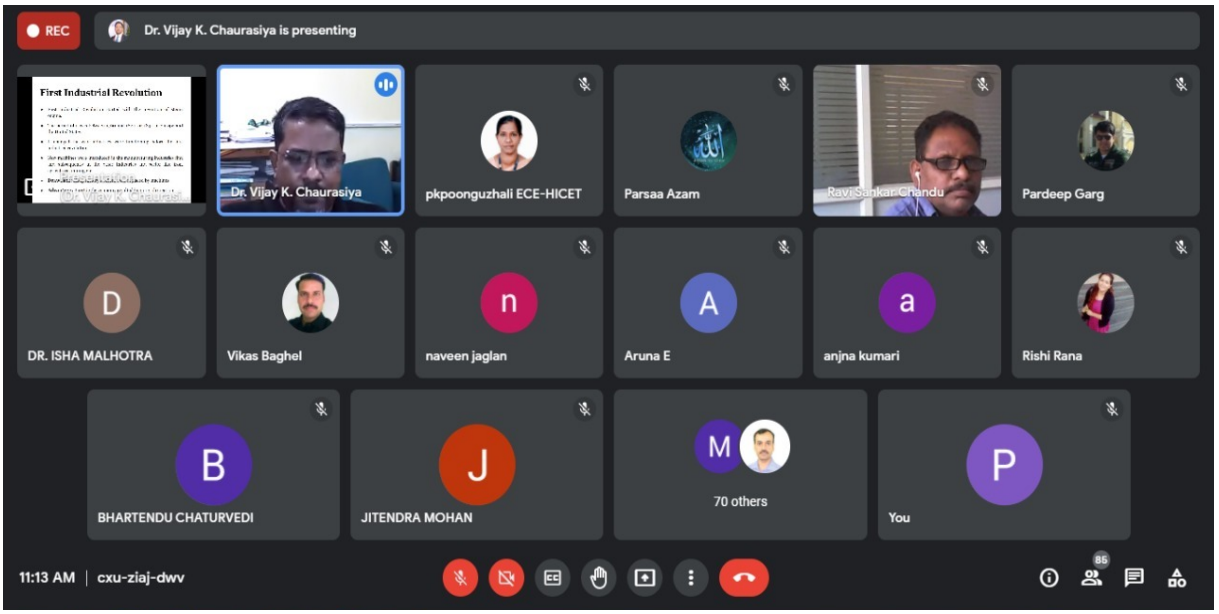
DR. ISHA MALH...
pkpoonguzhali ...
Parsaa Azam
Dr. Vijay K. Ch...
Pardeep Garg
Ms. Sofia Kuma...
Vikas Baghel
Aruna E
Manoj Kumar R
Mehboob ul A...
85 others
You
11:40 AM | cxu-ziaj-dwv



At last the several queries raised by the participants were answered and developed immense interest in various fields and applications.