



Electronics and Communication Engineering



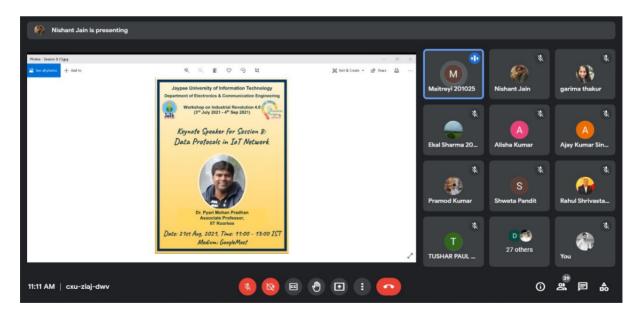
Jaypee University of Information Technology Waknaghat

WORKSHOP ON INDUSTRIAL REVOLUTION 4.0

Event Report: Session-8

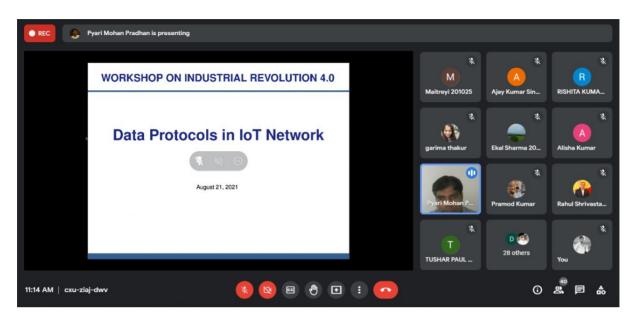
21st August, 2021

Department of Electronics and Communication Engineering of Jaypee University of Information Technology, Solan organized an amazing eighth session of "Workshop on Industrial Revolution 4.0" on 21st August, 2021. The topic of the session was "Data Protocols in IoT Network" delivered by an honourable speaker Dr. Pyari Mohan Pradhan Associate Professor, IIT Roorkee.



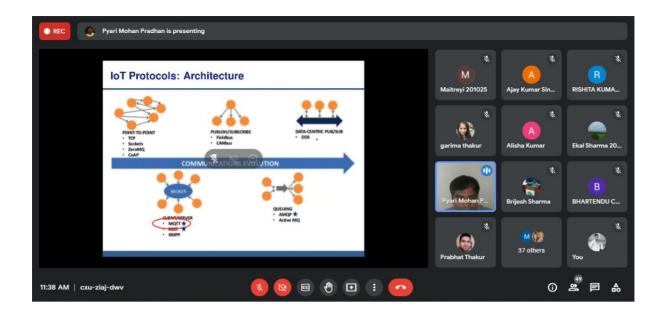
Our eminent speaker invited by Dr. Vikas Baghel, Assistant Professor, Department of Electronics and Communication Engineering served as an inspiration to several faculty

members and students of Electronics and Communication Engineering by delivering his motivation towards the domain of IOT and his immense great work in various fields including IoT, Protocols, Wireless Networks and its applications.

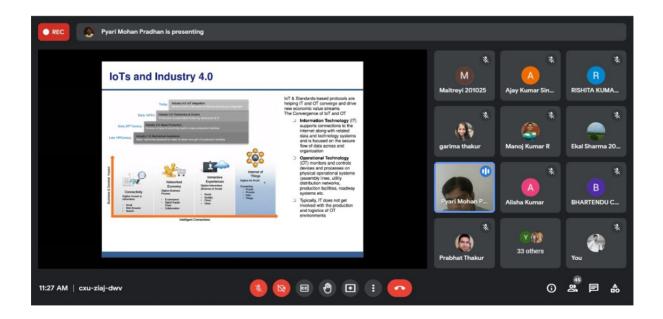


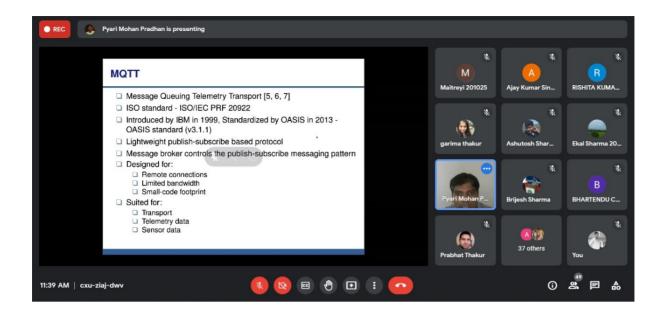
He explained that IoT data protocols are used to connect low-power IoT devices. They provide communication with hardware on the user side – without the need for any internet connection. Without IoT protocols and standards, hardware would be deemed useless. This is because IoT protocols enable hardware to exchange data. And, out of these transferred pieces of data, useful information can be extracted by the end-user.



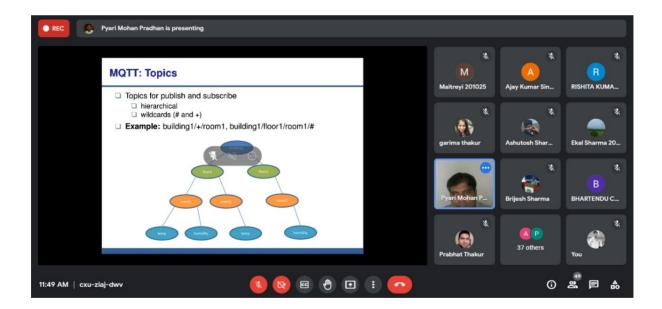


When talking about the Internet of Things, we always think about communication. Interaction between sensors, devices, gateways, servers, and user applications is the essential characteristic that makes the Internet of Things what it is. But what enable all this smart stuff to talk and interact are the **IoT protocols** which can be seen as languages that the IoT gear uses in order to communicate.

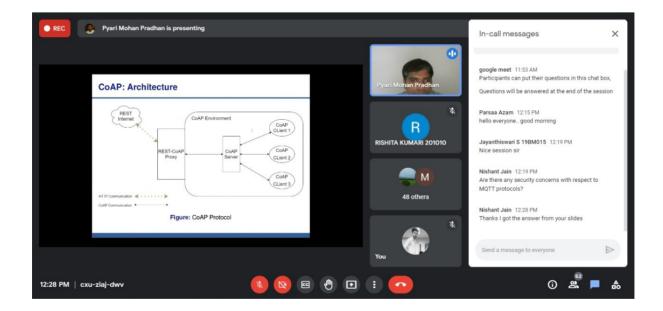


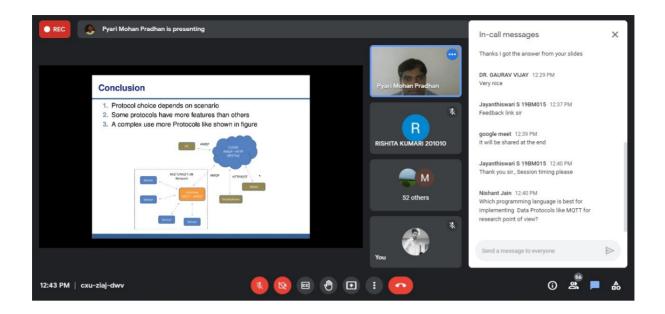


The two-hour long workshop was appreciated by the participants and helped them gain a good amount of knowledge in the domain of data protocols in IoT network.



REC Pyari Mohan Pradhan is presenting	In-call messages	×
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MOTT: CoS Level 0 At most once deliver? At most once deliver? At response is nat expected and no retry guarantee of underlying At response is nat expected and no retry semantics are defined Casal level of Quality of Service At response is nat expectedly, adds value as it's the fastest way to send a message Bessage can get lost if the subscriber unexpectedly disconnects or if the broker fails Example: Regularly published temperature data Figure: QoS Level 0 At others At response is native control to the figure of the subscriber of the	google meet 11:53 AM Participants can put their questions in this chat bo Questions will be answered at the end of the sessi	
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At last the several queries raised by the participants were answered and developed immense interest in various fields and applications.