

Department of

Electronics and Communication Engineering

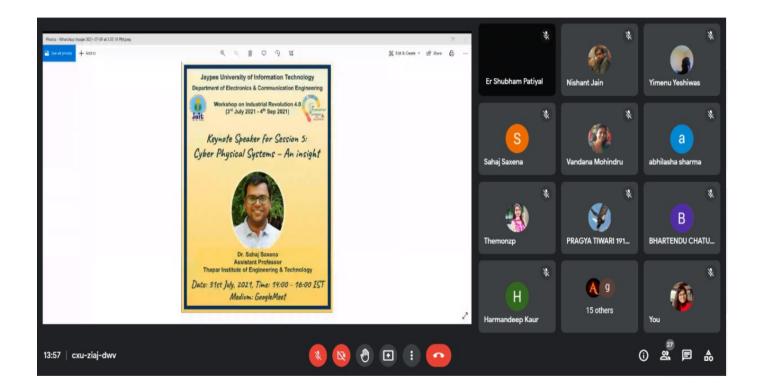


Jaypee University of Information Technology

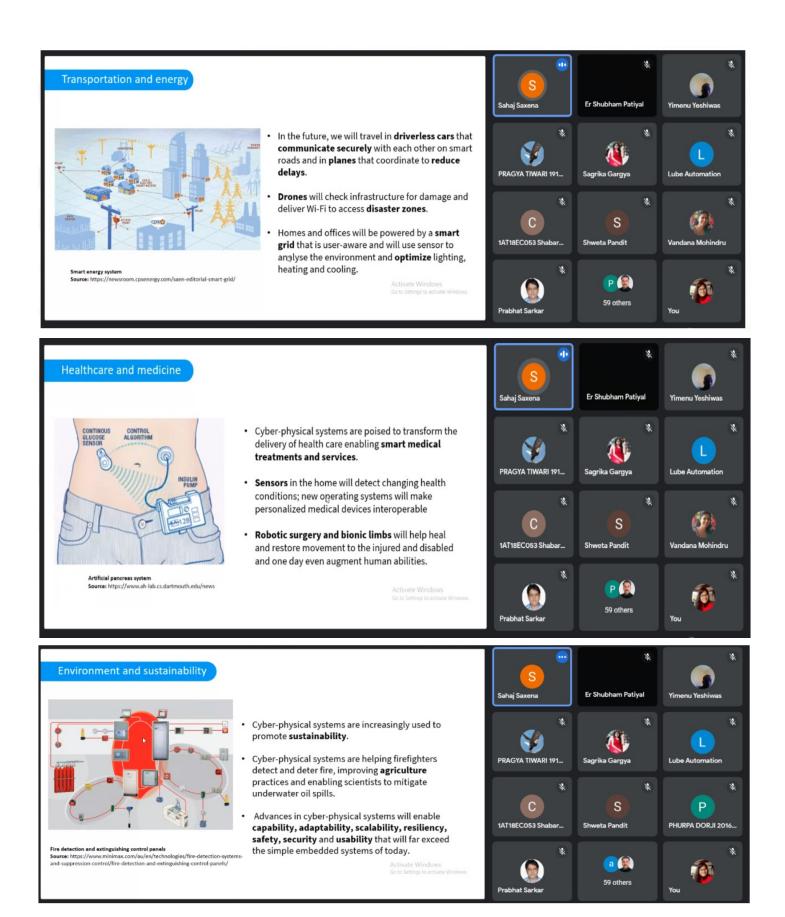
Event Report : Session-5

31st July, 2021

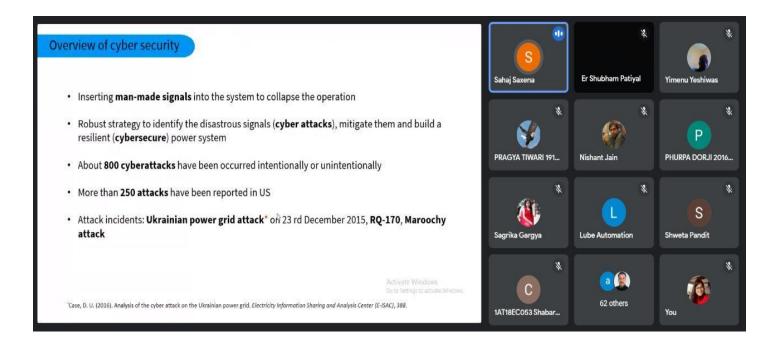
The Department of Electronics and Communication Engineering, JUIT Waknaghat conducted the fifth session of the Workshop Industrial Revolution 4.0 titled "Cyber Physical Systems - An insight" on 31 July 2021. Dr. Sahaj Saxena, Assistant Professor, Thapar Institute of Engineering & Technology, Patiala, Punjab was the guest speaker of the session.



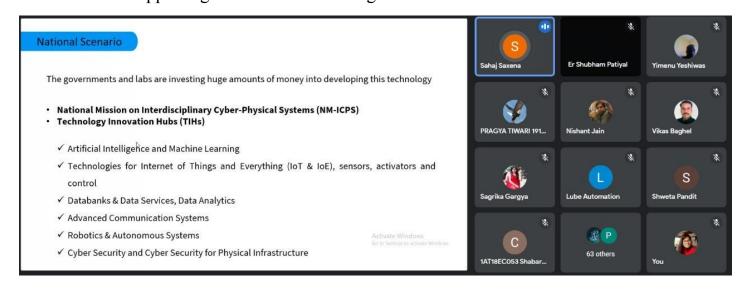
He began with the introduction of Cyber physical systems and Industrial revolution with the theme "Cyber physical systems are the key enabler in catalyzing industry 4.0 to realize the vision of digital system". The guest speaker gave an overview of the fundamentals and the history of CPS and further explained the applications of cyber physical systems, mainly in transportation and energy, healthcare and environment and sustainability.



He spoke about the two broad categories of CPS, Autonomous Cyber Physical systems and Closed Loop Human Machine systems and stressed the security, privacy risk and techniques in the system by sharing the data of occurrence of cyber-attacks to collapse the operations.



He also highlighted the national scenario and recent trends where the governments and the labs are investing a huge sum of money into developing the technologies like artificial intelligence, machine learning, IOT, sensors, Data bank and advanced communication systems. The recent trends are also supporting data driven technologies.





He ended the presentation by sharing some useful and reliable resources to explore the topic in depth. At the end of the session, queries of the participants were answered and the feedback was collected from participants. The session was well appreciated by the participants.