

Jaypee University of Information Technology

Department of Electronics & Communication Engineering

organizing

Workshop on Industrial Revolution 4.0 (3rd July 2021 - 4th Sep 2021)



Patrons

Prof. Vinod Kumar, Vice Chancellor

Program Chair

Dr. Rajiv Kumar, Head, ECE Department

Coordinators

Dr. Nishant Jain, Asst. Prof, ECE

Dr. Shweta Pandit, Asst. Prof, ECE

Dr. Vikas Baghel, Asst. Prof, ECE

Lt. Pragya Gupta, Asst. Prof, ECE

Eminent Speakers

Prof. Ghanshyam Singh, Professor,
University of Johannesburg, S. Africa

Dr. Pyari Mohan Pradhan, Associate
Professor, IIT Roorkee

Dr. V. K. Chaurasiya, Associate
Professor, IIIT Allahabad

Dr. Satyasai Jagannath Nanda,
Assistant Professor, MNIT Jaipur

Dr. Sandeep Hanwate, Assistant
Professor, College of Engineering Pune

Dr. Sahaj Saxena, Assistant Professor,
Thapar Institute of Engg & Technology

Mr. Vivek Kumar, Senior Research
Engineer, Centre for Development of
Telematics (C-DOT)

Mr. Harmesh Lal, Director, Embsoft
Products Research and Development

Mr. Utkarsh Srivastava, R&D Engg,
Acalvio Technologies

Mr. Sanjay Singh, Project Manager,
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About JUIT

JUIT is spread over 25 acres of lush green picturesque slopes of Wagnaghat, in district Solan of Himachal Pradesh, creating a tranquil environment that can heighten the spirit and energy level of all learners and inspire them to optimize their learning efforts. JUIT Wagnaghat is midway between Shimla & Solan.

About Electronics and Communication Engineering Department

The Department of Electronics and Communication Engineering was established in the year 2002. The department is playing a vital role in producing competent engineers of highest caliber with emphasis on technical skills, critical thinking and problem-solving. The department has highly motivated and learned faculty who are research oriented and working on cutting edge technologies. Faculty of the department are actively involved in research areas such as Signal & Image Processing, Embedded System and VLSI, RF and Microwave Antenna, Communication and Networking, and Automation and Control to focus on research in advanced trends and applications in these areas. Department offers undergraduate degree program on Electronics & Communication Engineering and Electronics & Computer Engineering. M.Tech. program in IoT, and PhD program.

Objective of the Workshop

Industrial Revolution 4.0 comes with the concept of making industries smart and includes technologies like artificial intelligence (AI), robotics, the Internet of Things (IoT), cyber-physical systems, 3D printing, genetic engineering, quantum computing, and many others. Due to the very wide scope of applications, it attracts students, researchers, educators and industrialist from different backgrounds. This workshop will help the participants working or aspiring to work in the field of IoT, Robotics, Smart Home, Cloud Computing, remote sensing, Biomedical, etc. It will help the participants to explore new dimensions for their academic and research activities. Topics to be covered in the workshop are the following: Industry 4.0 technology, Internet of Thing (IoT), Design of Smart Sensors, Cyber Physical Systems, Advanced Robotics, Quantum Cryptography for Internet of Things Security, Wireless Communication for IoT, Industry practices in Artificial Intelligence, and Introduction to Cloud Computing.

Workshop Schedule

Keeping in view the general online curriculum of the Students and Faculty, 10 sessions of the Workshop will be conducted on 10 consecutive Saturdays between 11:00 A.M. and 01:00 PM. First session will be held on 3rd July 2021 at 11:00 A.M.

**For Free Registration, visit: <https://sites.google.com/juitsolan.in/ir4>
e-certificates will be given to the attendees with more than 80% attendance**

