

CRITERIA 3

National-Level three-day online workshop on 'Industry 4.0'

17th -19th April 2023

Computer Science Department organised a National-Level three-day online workshop in collaboration with Innovation Activity Cell on 'Industry 4.0' from 17th to 19th April, 2023 respectively in which more than 100 faculty members and PG students from different institutes all over India like Uttar Pradesh, Chattisgarh, Ajmer, Karnataka, Tamilnadu, Haryana, Maharashtra etc. have participated. The workshop was aimed at providing insights into the latest technologies and their practical applications in India. The workshop had three sessions and each session was handled by an expert in the field.

Day 1:

On the first day of the workshop, Dr. Parminder Kaur, Associate Professor and Head of the Department of Computer Science at Guru Nanak Dev University, Amritsar was the resource person. She started the session with an introduction to Industry 4.0 and its key technologies. She highlighted the importance of Industry 4.0 in today's scenario and how it is transforming the manufacturing industry. The session covered various aspects of Industry 4.0, such as Cyber-physical systems, the Internet of Things (IoT), and Cloud Computing. Dr. Parminder Kaur also explained the challenges and opportunities that come with Industry 4.0.

Day 2:

On the second day of the workshop, Dr. Nitasha Hasteer, Dy Director (A). Professor & HoD-IT, Amity School of Engg. & Tech., Amity University Uttar Pradesh was the resource person and the topic of the session was "AI in project management." Dr. Nitasha Hasteer began the session by discussing the importance of AI in project management and how it can improve project outcomes. She highlighted how AI can help in automating tasks, predicting project risks, and identifying project bottlenecks. Dr. Nitasha Hasteer also provided insights on how AI can be used in agile project management and how it can help in delivering high-quality projects.

Day 3:

On the third and final day of the workshop, Dr. Sandeep Sood, Associate Professor and the Head of the Department of Computer Applications at the prestigious National Institute of Technology in Kurukshetra, Haryana was the resource person and the topic of the session was "Practical applications of AI & IoT in India." Dr. Sandeep Sood started the session by discussing the current state of AI and IoT in India and the challenges that need to be addressed to realize their full potential. He highlighted how AI and IoT can be used in various industries such as agriculture, healthcare, and manufacturing. Dr. Sandeep Sood also provided insights on how AI and IoT can help in addressing the challenges faced by these industries in India.

The workshop was attended by participants from various parts of the country, and they found the workshop informative and useful. Overall, the workshop was a great learning experience, and it will help in creating a better understanding of Industry 4.0 and its potential applications in India. The college Principal Dr. Neeru Sharma welcomed the resource persons and acknowledged their contribution for accepting the invitation and joining the workshop. Mrs. Poonam Seth, HOD proposed a vote of thanks.

Head OCS is presenting

IoT

IoT is usually defined as the connection between wireless technologies, microcontrollers, services and the Internet. It collects, transforms, and transmits real-time data from any device or machine – anywhere.

- The concept of smart devices was first discussed in 1982 with a modified case of a vending machine at Carnegie Mellon University. Students used the Internet-connected machine. The machine was able to report on its stock and whether newly loaded drinks were carbonated.
- The vision was expanded upon through the 1990s before the term "The Internet of Things" was coined in 1999 by Kevin Ashton who worked at both Procter and Gamble and MIT's Auto-ID Center. Although he actually preferred the term, "The Internet for Things," Ashton believed that radio frequency identification (RFID) was essential for the IoT, in order to allow computers to manage each device or object.

10:21 | exp-gjw-pur

Head OCS is presenting

IT Professions

- Data Scientist
- AI Engineer
- Robotics Designer
- IT Manager
- IT Researcher
- Product Manager
- Business Intelligence Analyst
- ML Engineer
- Software Developer
- Game Designer
- Creative Director
- Front-End Engineer
- Networks Security Analyst
- Risk Analyst
- & Many More

10:22 | exp-gjw-pur