ABOUT THE STC 'INDUSTRY 4.0 CHALLENGES AND INTERDEPENDENCIES'

Industry 4.0 and Research & Development (R&D) are pivotal domains shaping the contemporary landscape of various industries. With the advent of cutting-edge technologies such as the Internet of Things (IoT), Artificial Intelligence (AI), and advanced robotics, the industrial sector is shifting towards increased automation and connectivity. These transformative technologies redefine traditional manufacturing processes and pose unique challenges and interdependencies in the realm of R&D. An online short-term course was organised on "Industry 4.0 Challenges and Interdependencies" from February 19th, 2024, to February 23rd, 2024, sponsored by Agmatel India Pvt. Ltd. There were around 50 participants in the STC. The STC witnessed international participation as well. The fundamental objective of the STC "Industry 4.0 Challenges and Interdependencies" was to illuminate the multifaceted landscape of Industry 4.0 and its impact on Research & Development. The STC also addressed the challenges and intricacies associated with the secure and ethical collection, storage, and analysis of vast datasets inherent to Industry 4.0 and R&D endeavours.

The following faculty coordinated for the above-proposed workshop.

Convener

Prof. A.L. Sangal, CSE Dept.

Prof. Renu Dhir, CSE Dept.

Coordinators

Dr Jagdeep Kaur, Asst. Prof., CSE Dept.

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