## " IoT-Driven Smart Cities: A Hands-On Workshop on Big Data Analysis Techniques with Python", 3rd -12th April, 2024

The advent of Internet of Things (IoT) technology has revolutionized urban infrastructure, paving the way for the development of smart cities. These cities leverage interconnected devices and sensors to collect vast amounts of data, enabling more efficient resource management, improved services, and enhanced quality of life for residents. In this context, workshops like "IoT-Driven Smart Cities: A Hands-On Workshop on Big Data Analysis Techniques with Python" play a crucial role in equipping professionals with the skills needed to harness the power of big data for optimizing urban environments. Therefore, the workshop focussed to the intersection of IoT, big data, and Python programming for smart city applications to empowering participants with practical knowledge and hands-on experience in utilizing Python-based tools and techniques for analyzing large datasets generated by IoT devices in urban environments. Ayeshika Kapoor (P.M.R.F. research scholar from the Department of Electronics and Communication Engineering, IIT Roorkee) conducted the workshop as a resource person at the Department of Electronics and Communication Engineering, Central University of Jammu from 3rd -12th April, 2024. The workshop was coordinated by student's coordinators (Dheeraj Rathod & Shashank Shekhar Barnwal), and faculty coordinator Dr. Sunil Datt Sharma, Associate Professor, DoECE under mentorship of Professor Rakesh Kumar Jha, HoD, ECE, Central University of Jammu.

Highlights of the workshop









