

REPORT

On September 21, 2023, the Department of Electronics & Communication Engineering Department organised a Technical lecture for the B.Tech second, third, and fourth year students on "Design an IOT infrastructure for smart city" .The programme began at 10:50 a.m. with a welcome from Prof. R.K. Yadav, Dean Academics and Head of Department (ECE). Together with teaching members from the ECE Department, almost 100 students attended this programme.

Dr. Vipin Balyan (Sr. Lecturer, NRF Rated Researcher DEECE), from Cape Peninsula University of Technology, Cape Town, South Africa. In his lecture, he discusses the necessity of smart mobility in smart cities and how parking is becoming a challenge as mobility increases. With mobile apps for easy parking management and real-time availability information, smart parking solutions are completely changing the way we park. Additionally, he talks about the history, design solution, and more effective ways to deal with such problems. He talks about fog computing, its benefits, and its connection to smart city mobility. He expressed concern about how critical it is for all services to have a delay since it is a crucial element of smart mobility. Additionally, he suggests fog computing as a solution for delays and other issues, such as data handling through computation, networking, lower latency, and lower energy use. He displays intelligent parking architecture.

The lecture was informative, and few students interacted with the speaker and asked their questions during the informative lecture. The speaker also talks about the benefits and future potential of this design. He inspired our students to learn more by teaching them about topics.

Prof. R.K Yadav and Prof. Puneet C. Srivastava felicitated the guests with memento and vote of thanks. The meeting came to an end at 12:00 PM.