REPORT OF One Day Workshop On "Impact of IoT in Human Lives"

Electronics and Communication Engineering Department under SSIP & ISTE Students' Chapter of Dr. S. & S. S. Ghandhy Government Engineering College, Surat jointly organized a seminar on **"Impact of IoT in Human Lives"** on 28th April 2023 by **Shri. Parth Ghadiya (CEO, Memighty Invention Pvt,. LTd).** This seminar is organized for 4th and 6th Semester students.

Brief Summary of Seminar

Shri. Parth Gadhiya began by elucidating the fundamental principles of IoT. He highlighted the significance of sensor and their interfacing for various application.

Shri Parth given insight on the **Smart Homes, Healthcare, Transportation, Industrial IoT (IIoT), Agriculture, Retail.** He explained how Smart home devices enhance energy efficiency, improve security, and provide convenience, contributing to a more comfortable and connected living experience. He explained about remote patient monitoring in healthcare professionals and how they keep track of patients' vital signs and chronic conditions, leading to better healthcare outcomes and reducing the need for hospital visits. He explained how smart transportation systems help optimize traffic flow, reduce congestion, enhance safety, and enable efficient public transportation. He explained IoT enables the concept of Industry 4.0, where automation and data exchange in manufacturing create "smart factories" with more agile and responsive production processes. He also explained how IoT contributes to the development of smart cities by integrating technologies for efficient energy management, waste management, traffic control, and public safety. Smart city initiatives aim to improve the quality of life for citizens, enhance sustainability, and optimize urban infrastructure.

In conclusion, he discussed on security issue of IoT, addressing these challenges is crucial to ensuring the responsible and ethical deployment of IoT technologies in society.

Event Photos