MATLAB WORKSHOP

Date: Feb 05th, 2020

Speaker: Dr. Imteyaz Ahmad

On February 5, 2023 and February 6, 2023 organized an online workshop by the department of Electronics and Communications Engineering, highlighting the topic of MATLAB which offers a rich set of tools and functions that make it an excellent platform for DSP tasks. The workshop aimed at MATLAB's strength lies in its interactive nature, vast collection of built-in functions, and toolboxes specifically designed for various DSP applications. Engineers and researchers can leverage these capabilities to efficiently develop, prototype, and analyze DSP algorithms and systems.

The workshop was led by Dr. Imteyaz Ahmad, an Associate professor at BIT Sindri. His knowledge and expertise in the field of MATLAB made the session highly informative. He threw light on the significance of numerical computing, data analysis, and visualization. It is widely utilized in various fields, including Digital Signal Processing (DSP). DSP involves the manipulation, analysis, and transformation of digital signals for various applications such as communication systems, audio processing, image processing, and more.

The participants in the workshop gained knowledge about Signal Generation and Analysis, Filter Design and Analysis, Spectral Analysis, Audio Processing, Communication Systems, Real time Processing and Simulation and Modelling. The valuable insights and their understanding of MATLAB have exposed the students to various endeavors.