

On December 4, 2024, 10 Engineering students from the Analog and Digital Electronics course that was taught by Dr. Afroze and Dr. Dabipi visited the Electromagnetics and Antenna Lab. The students observed signal transmission and reception, which gave them a better understanding of real-world communication challenges. The students expressed a strong interest in pursuing wireless communication projects. The Electromagnetics and Antenna Lab enables research in understanding, evaluating, and designing various components of wireless communication systems. This includes modeling wireless channels in different environments, modulation and demodulation, transmitter/receiver signal processing, multiple access techniques, and more. The lab is equipped with high-frequency equipment (up to 44 GHz), including signal generators, spectrum analyzers, signal analyzers, network analyzers, antennas, amplifiers, oscilloscopes, and an anechoic chamber.



