

## **Optical and Wireless Communication Lab**

**Block No.4, Room No. 434, ECE Dept., MAIT**



### **Introduction**

In this Lab, Our undergraduate students use the Optical and Wireless Communication Laboratory to conduct practical work related to the concepts covered in the Optical Communication Theory Course. This lab gives students a hands-on experience with concepts and a thorough understanding of the Fiber Optical domain. The lab is outfitted with cutting-edge Fiber Optic Trainer Kits and Hardware Modules. The student conducts experiments in order to learn about the digital optical connection, the components of an optical communication system, and the characteristics of optical sources such as LED and LD, optical detectors such as LD and APD, and optical fibers such SM & MM.

### **Major Equipment:**

Sciencetech Trainer kit , Sciencetech trainer kit, Basic Simulation Software for Radiation patterns.

