

## **Department of Electronics and Telecommunication Engineering**

### **COMMUNICATION LABORATORY**

Lab location: 1<sup>nd</sup> Floor, Room No. 111

Area of the lab in carpet: 83.42sq. meters.

**Objectives:** The objective of Principles of Communication Engineering Lab is to provide students with practical experience in the design, analysis, and implementation of communication circuits. The lab aims to develop the students' understanding of the fundamental concepts of communication engineering and their ability to apply these concepts in the real world. The lab also focuses on developing the students' technical and analytical skills through hands-on experiments with circuits and equipment. By the end of the lab, students should be able to design and implement basic communication circuits, analyze their performance, and troubleshoot any issues that arise. Overall, the objective of the Principles of Communication Engineering Lab is to prepare students for a successful career in the field of communication engineering.

**Strength:** Lab is equipped with electronic test bench.

#### **Hardware Available:**

1. ELECTRONIC TEST BENCH-APLAB → Total Count 01
2. CRO-APLAB 30MHZ → Total Count 14.
3. DSO-APLAB → Total Count 03
4. FUNCTION GENERATOR-APLAB → Total Count 11
5. COMMUNICATION KITS-SCIENTIFIC → Total Count 50

#### **Courses:**

1. Principals of Communication Engineering(EXTC & ELX-S.E → Semester IV)
2. Mini Project(EXTC-T.E → Semester VI)
3. Digital Communication(EXTC & ELX-TE → Semester IV)

