Department of Electronics and Telecommunication Engineering

MICROPROCESSOR LABORABORY

Lab location: 2ⁿᵈ Floor, Room No. 208
Area of the lab in carpet: 61.77 sq. Meter.

**Objectives: The mission of the Microprocessor Laboratory at Te
rna Engineering College is to provide to learn Assembly Language programming on
hardware devices and on software to the students. The faculties are committed to
enhance the understandability of Assembly language programming and interfaces
hardware devices to Microprocessor and Microcontroller.**

Strength: Lab is equipped with highly configured system and equipment.

Software Available:

1. Emulator8086 Flash magic
2. IDE 8051 IDE
3. ARMSIM
4. IDE ARM7
5. Kill
6. Xlink Vivado
7. Flash magic
8. Microsoft Office 2013

Hardware Available:

1. Intel Core i3- dell 3020 and dell309 Wprocessor, Keyboard, mouse, dell Monitor→
   Total Count 10.
1. 8086 MP Trainer kit - Dyna 86L with LCD display & interfacing devices Total count - 05
2. 8051 MC Trainer kit - Dyna 51L with LCD display & interfacing devices Total count - 05
3. ARM7 Trainer kit - LPC 2148 with interfacing devices Total count - 02
4. PIC 18 microcontroller Trainer kit with interfacing devices Total count - 02
5. Nucleo board - Nucleo-F401RE board Total count -04

Courses:

1. Embedded system lab (T.E → SemesterV → MTRXV)
2. Mini project (T.E,S.E → Semester III ,V → EXTC)
3. Microcontroller and Application Lab(S.E → Semester IV → EXTC)
4. Mini project (T.E,S.E → Semester IV ,Vi → EXTC)
5. Micro processor Lab (S.E → Semester IV → AIDS)