IT9253 EMBEDDED LABORATORY **L T P C**
0 0 3 2

AIM:

To get a feel of programming and developing an embedded system

OBJECTIVES:

- To write programs in micro-controller assembly language.
- To learn to interface various peripheral devices with microcontrollers.
- To understand real-time aspects of embedded systems.

Experiments in the following topics:

1. 8051 Microcontroller based experiments- assembly language programs -2 experiments
2. 8051 Microcontroller based experiments- Control applications
3. 8051 Microcontroller based I/O interfacing - 3 experiments
4. Testing RTOS Environment and System Programming (embedded C)
   - KEIL software example programs – 3 experiments
5. Real time systems program – 2 experiments

TOTAL= 45 PERIODS