

**SEMESTER VII**  
**EC1708 EMBEDDED LABORATORY**

**LIST OF EXPERIMENTS**

1. Study of ARM Evaluation system
2. Flashing of LEDS.
3. Interfacing LED and SWITCHES.
4. Interfacing ADC and DAC.
5. Interfacing stepper motor and temperature sensor.
6. Interfacing real time clock and serial port.
7. Interfacing PWM.
8. Interfacing keyboard and LCD.
9. Interfacing EPROM and interrupt
10. Interrupt performance characteristics of ARM and FPGA
11. Implementing zigbee protocol with ARM

**LIST OF EQUIPMENTS**

<b>Sl. No.</b>	<b>Description of Equipment</b>
1.	Embedded trainer kits with ARM board
2.	Embedded trainer kits suitable for wireless communication
3.	Adequate quantities of Hardware, software and consumables
4	15" HP 280-G2MT INTEL(R) Core(TM)i5-6500 CPU @3.20GHz