COURSE TITLE   **: EMBEDDED SYSTEMS LAB**
COURSE CODE   **: 5049**
COURSE CATEGORY   **: A**
PERIODS/WEEK   **: 4**
PERIODS/SEMESTER   **: 52**
CREDITS   **: 2**

LIST OF EXPERIMENTS

On completion of the course, the student will be able:

1.0   To Familiarization of kit (AtMega32)

2.0   To implement assembly language Programs using kit
     2.1   Time Delay
     2.2   Code Conversion
     2.3   Serial Communication
     2.4   Timer programming

3.0   To simulate Interface Programs in embedded C using AVR Studio
     3.1   LED Interface (output)
     3.2   Switch Interface (input)
     3.3   4x 4 Matrix Keyboard interface
     3.4   Relay interface
     3.5   Seven segment LED display interface
     3.6   Character based LCD interface
     3.7   DC motor interface
     3.8   Stepper motor interface
     3.9   ADC Interfacing
     3.10 Temperature sensor

3.10 DAC Interfacing
3.11 Temperature sensor