Course Number and Name
BEI 605- Embedded Systems Design

Course Objectives

- To introduce the Building Blocks of Embedded System

- To Educate in Various Embedded Development Strategies

- To Introduce Bus Communication in processors, Input/output interfacing.

- To impart knowledge in various processor scheduling algorithms.

- To introduce Basics of Real time operating system and example tutorials to discuss on one real time operating system tool

Prerequisites	Co-requisites
BEC502-Microprocessor and Microcontroller	NIL

Course Outcomes (COs)

CO1: Acquire a basic knowledge about fundamentals of microcontrollers

CO2: Acquire a basic knowledge about programming and system control to perform a specific task.

CO3: Acquire knowledge about devices and buses used in embedded networking

CO4: Develop programming skills in embedded systems for various applications.

CO5: Acquire knowledge about basic concepts of circuit emulators.

CO6: Acquire knowledge about Life cycle of embedded design and its testing.

Student Outcomes (SOs) from Criterion 3 covered by this Course

COs/SOs	a	b	c	d	e	f	g	h	i	j	k
CO1	M	M	M	H	M		M			L	L
CO2	H	M	M	H	H		M			L	L
CO3	H	M		H	H		M			L	L
CO4	H	M		H	H		M			L	L
CO5	H	M	M	H	H		M			L	L
CO6	H			H	H		M			L	L