



Course Outlines

Course Details:

Course Code : CSE 413 Credit hours: 3.0
Course Title : Microprocessor
Program : CSE
Semester : Fall-2016
Course Teacher : Santa Maria Shithil
Lecturer, Dept. of CSE

Course Assessment:

The assessment components for evaluation of students are as follows:

Item/Activity	Marks (%)
Work Sheet (including class attendance and class tests)	25%
Assignment/ Presentation	10%
Mid-Term Test	25%
Final Examination	40%
Total	100%

Course Contents:

Lectures	Contents (Each lecture will be 1.5 hours duration)
Lecture-1	Introduction to Microprocessor, Basic Structure of Microprocessor
Lecture-2	Features of a Microprocessor Working Procedure of Microprocessor
Lecture -3	List of Terms Used in Microprocessor Classification of Microprocessor
Lecture -4	Special Processors
Lecture -5	Architecture of 8085 Microprocessor
	Assignment/Presentation
Lecture -6	Pin Configuration of 8085 Microprocessor
Lecture -7	8085 Addressing Modes and Interrupts
Lecture -8	Interrupt Service Routine 8085 Microprocessor

Lecture -9	Instruction Sets in 8085 Microprocessor
	Class Test
Lecture -10	8085 Demo Programs
Lecture -11	8086 Microprocessor Overview
Lecture -12	Features of 8086
	Class Test
	Mid-Term
Lecture -13	Architecture of 8086 Microprocessor
Lecture -14	Functional Units of 8086 Microprocessor
Lecture -15	8086 Microprocessor Pin Configuration
Lecture -16	Comparison between 8085 and 8086 Microprocessor
	Assignment/Presentation
Lecture -17	Instruction Set of 8086 Microprocessor
Lecture -18	Microprocessor- 8086 Interrupts
	Class Test
Lecture -19	Addressing Mode of 8086 Microprocessor
Lecture -20	8086 Demo Programs
Lecture -21	Multiprocessor Configuration
Lecture -22	Coprocessor Configuration
Lecture -23	Closely Coupled Configuration and Loosely Coupled Configuration
	Class Test
Lecture -24	Overview
	Final Examination
Textbooks:	1. Microprocessors: Principles and Applications By A. Pal