Department of Electronics and Communication Engineering

List of Course Outcomes for 2017 Regulation

Sl No.	Year & Semester	Course Code	Course Name	Course Outcome
1	4th Year 7th Semester	EC8701	Antennas and Microwave Engineering	1.Understand the basic principles in antenna and microwave system design
				2.Enhance the student knowledge in the area of various antenna designs
				3.Interpret the knowledge about antenna arrays and its applications
				4.Demonstrate the working of microwave components
				5.Analyze the Microwave Design principles
2	4th Year 7th Semester	EC8751	Optical Communication	1.Classify the various optical fiber modes and configurations associated with optical fiber.
				2.Explain the various signal degradation factors associated with optical fiber
				3.Illustrate the various optical sources and their use in the optical communication system.
				4.Illustrate the various optical detectors and their use in the optical communication system.
				5.Analyze the digital transmission and its associated parameters on system
3	4th Year 7th Semester	EC8791	Embedded and Real Time Systems	1.Describe the architecture and programming of ARM processor
				2.Outline the concepts of embedded systems
				3.Use the system design techniques to develop software for embedded systems
				4.Differentiate between the general purpose operating system and the real time operating system
				5.Explain the basic concepts of real time Operating system design & Model real-time applications using embedded system concepts

Sl No.	Year & Semester	Course Code	Course Name	Course Outcome
4	4th Year 7th Semester	EC8702	Adhoc and Wireless Sensor Networks	1.Know the basics of Ad hoc networks and Wireless Sensor Networks
				2.Apply this knowledge to identify the suitable routing algorithm based on the network and user requirement
				3.Apply the knowledge to identify appropriate physical and MAC layer protocols
				4.Understand the transport layer and security issues possible in Ad hoc and sensor networks.
				5.Be familiar with the OS used in Wireless Sensor Networks and build basic modules
5	4th Year 7th Semester	GE8071	Professional Elective –III Disaster Management	1.Describe the basic concepts of disaster and hazards if India.
				2.List various types of natural disaster and various manmade disasters.
				3.Elaborate on the Principles of disasters management.
				4.Explain the application of modern techniques used in disaster mitigation and management.
				5.Draw the hazard and vulnerability profile of India, Scenarios in the Indian context, Disaster damage assessment and management.
6	4th Year 7th Semester	II OME754 Industrial Safety	Open Elective – II Industrial Safety	1.Understanding the different safety concepts
				2.Understanding the Chemical Hazard and its effects
				3.Apply the concept of hazard measuring instruments and protective equipment
				4.Analyze the technique and methods for accessing the hazard
				5.Understanding the safety and its regulation
7	4th Year 7th Semester	EC8711	Embedded Laboratory	1.Write programs in ARM for a specific Application
				2.Interface memory and Write programs related to memory operations
				3.Interface A/D and D/A convertors with ARM system
				4.Write programs for interfacing keyboard, display, motor and sensor.
				5.Formulate a mini project using embedded system

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8	4th Year 7th Semester	EC8761	Advanced Communication Laboratory	1.Analyze the performance of simple optical link by measurement of losses.
				2.Analyzing the mode characteristics of fiber.
				3.Analyze the eye pattern, pulse broadening of optical fiber and the impact of BER.
				4.Estimate the wireless channel characteristics and analyze the performance of wireless communication system.
				5.Understand the intricacies in microwave system design
9	4th Year 8th Semester	GE8076	Professional Elective IV Professional Ethics in Engineering	1.Realize the importance of human values
				2.Apply engineering ethics in his career
				3.Analyze the Codes of Ethics and Industrial Standards
				4.Realize social responsibility and rights that can be utilized in terms of professionalism
				5.Realize various global issues and its importance
10	4th Year 8th Semester	EC8094	Professional Elective V Satellite Communication	1.To discuss the orbital parameter, and to calculate the orbital determination and launching methods for different types of satellites
				2.To inspect spacecraft sub system and Antenna subsystem
				3.To examine earth space systems and design satellite link with various parameters like antenna gain, C/N,EIRP.
				4.To distinguish multiple access techniques like TDMA, CDMA and FDMA along with encryption Techniques.
				5.Classify different types of satellites for broadcasting & special applications

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11	4th Year 8th Semester	EC8811 - Project Work	Project Work	1.To identify & ability to solve a specific problem
				2.Analyzing & identifying solution methodology by performing literature review
				3.To Apply modern engineering tools, software and equipment to analyze the problems
				4.To Evaluate& justify the progress of the project by oral presentation to the review committee
				5.To compose project reports for the identified problem and to develop skill of working in a team