



DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

B.E Regulation-2017 Course Outcomes

S.No	Year / Sem	Course Code	Course Name	Course Outcome
1	IV / VII	EC8701	ANTENNAS AND MICROWAVE ENGINEERING	CO1: Apply the basic principles and evaluate antenna parameters and link power budgets. CO2: Design and assess the performance of various antennas. CO3: Design a microwave system given the application specifications.
2		EC8751	OPTICAL COMMUNICATION	CO1: Realize basic elements in optical fibers, different modes and configurations. CO2: Analyze the transmission characteristics associated with dispersion and polarization techniques. CO3: Design optical sources and detectors with their use in optical communication system. CO4: Construct fiber optic receiver systems, measurements and coupling techniques. CO5: Design optical communication systems and its networks.
3		EC8791	EMBEDDED AND REAL TIME SYSTEMS	CO1: Describe the architecture and programming of ARM processor. CO2: Outline the concepts of embedded systems. CO3: Explain the basic concepts of real time operating system design. CO4: Model real-time applications using embedded-system concepts.
4		EC8702	AD HOC AND WIRELESS SENSOR NETWORKS	CO1: Know the basics of Ad hoc networks and Wireless Sensor Networks. CO2: Apply this knowledge to identify the suitable routing algorithm based on the network and user requirement. CO3: Apply the knowledge to identify appropriate physical and MAC layer protocols. CO4: Understand the transport layer and security issues possible in Ad hoc and sensor networks. CO5: Be familiar with the OS used in Wireless Sensor Networks and build basic modules.
5		GE8071	DISASTER MANAGEMENT	CO1: Differentiate the types of disasters, causes and their impact on environment and society. CO2: Assess vulnerability and various methods of risk reduction measures as well as mitigation. CO3: Draw the hazard and vulnerability profile of India, Scenarios in the Indian context, Disaster damage assessment and management.
6		OBM752	HOSPITAL MANAGEMENT	CO1: Explain the principles of Hospital administration. CO2: Identify the importance of Human resource management. CO3: List various marketing research techniques. CO4: Identify Information management systems and its uses. CO5: Understand safety procedures followed in hospitals
7		EC8711	EMBEDDED LABORATORY	CO1: Write programs in ARM for a specific Application. CO2: Interface memory, A/D and D/A convertors with ARM system. CO3: Analyze the performance of interrupt. CO4: Write program for interfacing keyboard, display, motor and sensor. CO5: Formulate a mini project using embedded system
8		EC8761	ADVANCED COMMUNICATION LABORATORY	CO1: Analyze the performance of simple optical link by measurement of losses and Analyzing the mode characteristics of fiber. CO2: Analyze the Eye Pattern, Pulse broadening of optical fiber and the impact on BER. CO3: Estimate the Wireless Channel Characteristics and Analyze the performance of Wireless Communication System. CO4: Understand the intricacies in Microwave System design.