



BAPATLA WOMEN'S ENGINEERING COLLEGE::BAPATLA

AN ISO 9001:2015 CERTIFIED INSTITUTION

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Class/Sem: II/IV B. Tech, II Sem

A.Y: 2023-24

Course Outcomes

After Successful completion of this course, Students should be able to learn

Course Name: Electromagnetic Field Theory		Code:EC221,R22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C221.1	Analyze the relation between electric and magnetic fields using vector analysis.	Analyze
C221.2	Evaluate the Maxwell's Equation in Static Electric and Magnetic Field.	Evaluate
C221.3	Apply Maxwell's equations in Electromagnetic fields and Characterize Maxwell's equation in both static and Time varying fields.	Apply
C221.4	Understand the propagation of electromagnetic waves in different medias	Understand
Course Name: Pulse Circuits & Linear IC Applications		Code: EC-222, R-22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C222.1	Understand the response of Linear & Non-Linear Wave shaping circuits to different inputs.	Understand
C222.2	Analyze the design and Operation of Multivibrator Circuits and sweep circuits.	Analyze
C222.3	Understand the basic concepts of Differential Amplifier circuits and characteristics of OP-Amp	Understand
C222.4	To obtain knowledge on various types of Linear And Non-Linear Applications Of Op-Amps	Understand
C222.5	To understand the Design and Analyze the Active Filters and Applications of special ICS	Understand
Course Name: Probability Theory And Stochastic Process		Code: EC-223, R-22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C223.1	Understand the fundamentals of probability theory to practical engineering problems	Understand
C223.2	Distinguish types of distribution and density functions	Analyze
C223.3	Analyse the statistical properties of random variables through understanding of distribution and density functions.	Analyze
C223.4	Illustrate the concept of random processes and compute their statistical properties	Apply
Course Name: Microprocessor & Microcontrollers		Code: EC-224 , R-22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C224.1	Explain the architecture and instruction set of Microprocessor	Understand

C224.2	Discuss about System Bus Structure for Multiprocessor Configuration.	Understand
C224.3	Illustrate the functions of various interfacing devices with Microcontroller	Analyze
C224.4	Understand the architectures and instruction set of Microcontroller	Understand
C224.5	Build an assembly language program for interfacing with microcontroller	Create
Course Name: Electronics Measurement And Instrumentation		Code: EC225-R22
CO No	Course Outcome Statement	Bloom's Taxonomy Level
C225.1	Identify the various electronic measurement instruments	Remember
C225.2	Demonstrate the Measurement of Physical Parameters	Apply
C225.3	Classify and Analyze the different types of transducers	Analyze
C225.4	Discuss Data Acquisition systems & Bio-Medical Instruments	Understand
C225.5	Analyze Attenuators, filters, equalizers	Analyze
Course Name: Object Oriented Programming Through JAVA		Code: EC226-R22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C226.1	Understand the basics of object-oriented programming using JAVA and also apply the concept of classes, Java, JDK Components and develop Simple Java Programs.	Understand
C226.2	Understand the principles of Inheritance, Interfaces with packages and develop simple programs.	Understand
C226.3	Develop the concepts of exception handling, multithreading and collection classes.	Create
C226.4	Accessing files and developing event handling programs.	Create
Course Name: Pulse Circuits And ICs Lab		Code: EC261 R22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C261.1	Understand the response of Linear & Non-Linear Wave shaping circuits to different inputs.	Understand
C261.2	Analyze the design and Operation of Multi vibrator Circuits using transistor's and IC's	Analyze
C261.3	Obtain knowledge on various types of Linear and Non-Linear Applications of Op-Amps, measurement of OP-AMP parameters and wave form generators using op amp IC -741	Evaluate
C261.4	Analyze the Active Filters and Applications of special ICs, IC-555 timer, IC 565-PLL and 566-VCO.	Analyze
C261.5	Analyze general purpose voltage regulator using IC -723 and D-A converter (R-2R Ladder).	Analyze
Course Name: Microprocessor & Microcontrollers Lab		Code: EC262 R22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C262.1	Implement the assembly language Programs for Data Transfer Instructions, Arithmetic and Logical Instructions, Branch Instructions, Subroutines and Sorting of an Array	Apply

C262.2	Implement the assembly language Programs by using DOS and BIOS Interrupts	Apply
C262.3	Generate Waveforms by using DAC Interface to 8086 Microprocessor	Create
C262.4	Analyze the assembly language Programs for Data Transfer Instructions and Arithmetic and Logical Instructions using 8051 Microcontroller.	Analyze
Course Name: Communicative English Lab II		Code:EC263 R22
CO No.	Course Outcome Statement	Bloom's Taxonomy Level
C263.1	To realize the importance of communication skills in job arena To enhance the students ability to communicate	Understand
C263.2	Able to learn vocabulary for GRE, TOEFL, IELTS, IES etc	Remember
C263.3	Capable to participate in all recruitment procedures	Apply
C263.4	Able to communicate effectively over a phone and proficient to demonstrate telephoning skills	Apply
C263.5	Able to describe procedures and improves analytical thinking	Analyze
C263.6	Able to know the importance of personality development	Understand
Course Name: JAVA Programming		Code:EC264 R22
C264.1	Explain and implement Java programs for simple applications that make use of classes	Understand
C264.2	Apply the concepts of applications using file processing	Apply
C264.3	Apply the concepts of classes, packages, interfaces, exception handling	Apply
C264.4	Develop and implement Java programs with arraylist	Create
C264.5	Build software development skills using java programming for real-world applications	Apply