



SIR C R REDDY COLLEGE FOR WOMEN (Estd : 1987)

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ELECTRONICS DEPARTMENT

COURSE OUTCOMES

2020-2023

B.Sc	Semester:I
Course:1	CircuitTheoryAndElectronicDevices

Course outcomes :

CO-1: Apply concepts of electric network topology, nodes, branches, loops to solve circuit problems including the use of computers immolation.

CO-2: Apply time and frequency concepts of analysis.

CO-3: Synthesize the network using passive elements.

CO-4: Know about switching circuits and oscillator circuits their design and use in electronics.

CO-5: Design and construction of a power supply.

B.Sc	Semester:II
Course:2	DigitalElectronics

Course outcomes :

CO-1: Develop a digital logic and apply it to solve real life problems.

CO-2: Analyze, design and implement combinational logic circuits.

CO-3: Classify different semiconductor memories.

CO-4: Analyze, design and implement sequential logic circuits.

CO-5: Simulate and implement combinational and sequential logic circuits using VHDL

BSc	Semester:III
Course:3	AnalogCircuitsandCommunicationElectronics

Course outcomes :

- CO-1: Understand the fundamentals and areas of applications for the integrated circuits.
- CO-2: Analyze important types of integrated circuits.
- CO-3: Demonstrate the ability to design practical circuits that perform the desired operation.
- CO-4: Select the appropriate integrated circuit modules to build a given application.
- CO-5: Use of different modulation and demodulation techniques used in analog communication.
- CO-6: Identify and solve basic communication problems.
- CO-7: Analyze transmitters and receiver circuits.

BSc	Semester:IV
Course:4	MicroprocessorSystems

Course outcomes :

- CO-1: The student can gain good knowledge on microprocessor and implement in practical applications.
- CO-2: Design system using memory chips and peripheral chips for 16 bit 8086 microprocessor.
- CO-3: Understand and devise techniques for faster execution of instructions.
- CO-4: To improve speed of operations and enhance performance of micro processors.
- CO-5: To apply various assembly language programs and test using moderate complexity.

BSc	Semester:IV
Course: 5	MicrocontrollerAndInterfacing

Course outcomes :

CO 1 : To remember the different types of microprocessor and microcontrollers and to know the various development software tools.

CO 2 : To understand the basic architecture of 8051 microcontroller and understand each block of the system.

CO 3 : To apply the knowledge various addressing modes, instructions set and to design a time delay calculations.

CO 4 : To analyze and test various assembly language programming's for moderate complexity.

CO 5 : To evaluate various peripheral devices and have knowledge to design an application using 8051 microcontroller.

B.Sc	Semester–V(SkillEnhancementCourse-Elective)
Course:6B	Embeddedsystemsdesign

Course outcomes :

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.

B.Sc	Semester-V(SkillEnhancementCourse-Elective)
Course:7B	ConsumerElectronics

Course outcomes :

Upon the completion of this course, students will demonstrate the ability to:

CO-1: Study Microwave ovens, washing machine, Air conditioners and refrigerators–block diagram-working-types–wiring and safety instructions.– care and cleaning

CO-2: Study Home/Office digital devices–block diagram-working-types–wiring and safety instructions.– care and cleaning

CO-3: Understand the symptoms and faults.

CO-4: Maintain various consumer electronic appliances.

CO-5: Evaluate and analyze different electronic products and systems based on specifications