

ELECTRONICS AND COMMUNICATIONS

III Semester

14031 – ELECTRONICS DEVICES AND CIRCUITS

- Electronics devices and circuits theory is the basic of electronics,
- We can understand the different transistor configurations and various passive and active components.
- It helps to study the performance of different transistor oscillators, SCR, DIAC and also MOSFET and IGBT.

14032 – ELECTRONIC CIRCUITS AND INSTRUMENTATION

- Electronic circuits and Instrumentation helps to understand different RLC series and parallel circuits.
- We can solve simple problems in AC circuits and DC circuits.
- We can learn about basic measuring Instruments types of bridges and types of CRO.

14033 – ‘C’ PROGRAMMING AND OOPS

- ‘C’ Programming and oops is a programming language subject which helps to understand various data types, operators, functions and different types, operators, functions and different types of arrays.
- We can learn about various file management techniques and object oriented programming [OOPS] techniques.

14034 – ELECTRONIC DEVICES AND CIRCUITS LAB

- Electronic devices and circuits lab was the basic and foundation for all electronics lab.
- It helps the students to design circuits and improves students knowledge in circuit designing.

14035 – ELECTRIC CIRCUITS & INSTRUMENTATION LAB

- Electric circuits and Instrumentation lab helps to verify all theorems.
- It helps to study about various measuring instruments.

14036 – ‘C’ PROGRAMMING LAB

- C programming lab helps to write ‘C’ programs and improves their programming knowledge
- It helps to develop coding by their own and execute it.

SEMESTER – IV

14041 – ANALOG AND DIGITAL ELECTRONICS

- This subject gives us the knowledge about IC’s – Integrated circuits.
- It is also develop our knowledge about op Amp all logical circuits, D/A, A/D memory using IC.

14042 – INDUSTRIAL ELECTRONICS

- Industrial el Electronics is the advanced stage of EDC paper – which are used in Industries only.
- PLC and programming CNC are some of the part of Industrial electronics paper.

14043 – COMMUNICATION ENGINEERING

- We can learn all the communications and equipments like antenna, transmitters, Receivers, FM, Microphones.
- It is also used to learn the working principles of monochrome T.V., Colour T.V.,

14044 – ANALOG AND DIGITAL ELECTRONICS LAB

- This lab is used to learn how IC'S are used in mathematical operations
- And also used in A/D and D/A convertors, Display units and Expanding the Memories

14045 – IE AND CE LAB

- This lab is most useful in industries line
- It contains the programs for Plc and CNC machines, Which are used in Industries.

11011 – ENGLISH COMMUNICATION LAB

- English lab is used to develop the English speaking skills, Attitudes of students.
- They also learn how to make themselves perfect in this world.
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Vth Semester

14051 – MICRO PROCESSOR AND MICRO CONTROLLER

- This subject is useful to learn the history and need of microprocessor and micro controller.
- We can learn the serial data communication concepts, Addressing modes, Program techniques, and also interfacing the RS232C, S255, etc.

14052 – ADVANCED COMMUNICATION SYSTEM

- It is usefull to learn the principles of RADAR, Navigational aids.
- Also used to learn digital communication system, Optical source, Detectors, Satellite system, Orbits, Antennas, Digital cellular system.

14072 – VLSI

- VLSI – is used to learn digital number system, Logic gates operations,
- It explains us the different types of coding techniques like BCD, Gray, etc
- It is used to learn the XILINX FPGA & CPLD families, VHDL functions, MACRO Cell concepts, etc

14054 – MICROPROCESSOR AND MICRO CONTROLLER

- Used to learn the different programs for microcontroller kit and also its interface.
- Also used to learn the addressing and oplods of microcontroller and its advanced stage called microprocessors.

14055 – ADVANCED COMMUNICATION SYSTEM LAB

- It is use full to learn the different modulation outputs and fiber optic communications.
- Also used to learn the receivers, Transmitters CRT and various sections in television.

14075 – VLSI LAB

- The VLSI lab teaches us the various programs creating and also how to interface,
- It also used to Interface the interfacing kits like DC motor, PWM potentiometer by 2407 DSP kit

VI – Semester

14061 – COMPUTER HARDWARE AND NETWORKING

- This subject is used to boot and configure system and also we can learn how to install all other devices like sound blaster card modem, scanner ,printer, etc
- We can also learn the networking between systems.

14062 – EMBEDDED SYSTEMS

- Students can learn the recent trends in Embedded systems.
- We can also learn the RISC architecture and 32 bit micro controller, LIC2148 CPU also about serial communication.

14082 – TELEVISION ENGINEERING

- We can learn the fundamentals of TV, Its video and Audio signals, Also learn the picture tubes, TV camera tube, AL colour coders, Receiver, Transmitters.
- VCD and DVD players play back mode, modern cable TV systems and displays updated are learnt from the television engineering paper

14064 – COMPUTER HARDWARE AND NETWORKING LAB

- Used to learn the system booting and servicing and trouble shooting.
- We can also learn the Installation of other devices and peripherals to the systems.

14065 – EMBEDDED SYSTEM LAB

- They are used to learn how to create the simple programs using Embedded systems.
- Also useful to the inter faces program designing.

14066 – PROJECT WORK & ENTREPRENEURSHIP

- The project work are use full to develop the student's knowledge and skills and also it provides a good future for the students.
- Entrepreneurship leads the students in a correct way. It is the basic foundation for the student's outside campus life after their diploma completion.