

SILIGURI INSTITUTE OF TECHNOLOGY

ELECTRONICS & COMMUNICATION ENGINEERING

COURSE OUTCOME

5TH SEMESTER

Course Title: Analog communication (EC- 501) & analog communication Lab (Code: EC- 591)

- CO1: Describe** the need for modulation and identify type of modulation to be used in analog communication system.
- CO2: Understand** about AM transmission and reception including noise analysis.
- CO3: Understand** about FM transmission and reception including noise analysis.
- CO4: Apply** and relate the analog modulation and demodulation techniques to real time applications.
- CO5: Generate** various types of modulated signals and perform their basic operations.
- CO6: Design** the analog modulator and demodulator circuits in communication system.

Course Title : Microprocessor & Microcontroller AND Microprocessor & Microcontroller Lab. (Code: EC502 & EC592)

- CO1:** Learn the internal organization of 8085, 8086 microprocessors & 8051 microcontrollers.
- CO2:** Understand the interrupt and subroutine call mechanism of microprocessor
- CO3:** Use microprocessors & microcontrollers addressing modes, registers and instruction sets and apply them in writing assembly language program.
- CO4:** Debug their assembly language programs.
- CO5:** Develop skills in interfacing A/D, D/A converter, stepper motor etc. with processor.

Course Title: Control System, Control System Laboratory (Code: EC503, EC593)

- CO1:** Identify different types of control systems and determine the mathematical model of LTI systems.
- CO2:** Determine transient response and stability of LTI system.
- CO3:** Study of frequency response analysis and stability of LTI system.
- CO4:** Describe and analyse different dynamic system into state space form.
- CO5:** Select suitable controllers and compensators for LTI system.

Paper Name : DATA STRUCTURE WITH C (Paper Code : EC504B)

- CO1:** Recall the basic concept of C programming language and **Explain** the classification of data structure
- CO2: Illustrate** complex data structure and its Operation
- CO3: Utilize** the knowledge of data structure to solve problems.
- CO4: Demonstrate** non linear data structure and its operation
- CO5: Implement** different types of sorting and searching algorithm and compute its efficiency .

Paper Name : EE (Paper Code : HU-501)

CO1: Understand the basic concepts and terminology used in engineering economics.

CO2: Estimate the effect of cost, revenue & benefit associated with the acquisition and operation of the facility.

CO3: Implement various financial methods and techniques to compare multiple financial /strategic alternatives .

CO4: Identify the feasible alternatives based on estimated values.

CO5: Verify the financial feasibility of the projects and draw inferences for invest

