

**ETE601T : TELECOMMUNICATION SWITCHING SYSTEMS
(Theory)**

After the completion of Course, student will be able to....

		Blooms Level	PO
ETE601T.1	Explain the need for switching systems and their evolution from analog to digital.	Level 2	PO 1
ETE601T.2	Expain and Discuss the Public Switched Telephone Network.	Level 2,6	PO 1, 6
ETE601T.3	Define private networks.	Level 1	PO 1
ETE601T.4	Explain integrated networks.	Level 2	PO 1
ETE601T.5	Classify and compare the different type of networks.	Level 2	PO 1
ETE601T.6	Illustrate the cellular telephone system.	Level 2	PO 1,6

Name and Sign of Course Teacher

ETE602T: Digital Signal Processing (Theory)

After the completion of Course student will be able to

		Blooms Level	PO
ETE602T.1	Show discrete-time signals analytically and visualize them in the time domain.	Level 2	PO 1
ETE602T.2	Use the z-transform for analysis of signals and systems.	Level 2	PO 1, 2
ETE602T.3	Compare various techniques to find the fourier transform.	Level 1,4	PO 2
ETE602T.4	Design and implement digital infinite impulse response filter for various applications.	Level 6	PO 1
ETE602T.5	Design and implement digital finite impulse response filter for various applications.	Level 6	PO 1
ETE602T.6	Illustrate the concept of multi rate signal processing and interpret how to apply it for the wavelet transform..	Level 2	PO 1

Name and Sign of Course Teacher

ETE602P: Digital Signal Processing (Practical)

After the completion of Course, student will be able to

		Blooms Level	PO
ETE602P.1	Analyze and process the signals in the discrete time domain.	Level 4	PO 1
ETE602P.2	Design the filters to suit requirements of specific applications.	Level 6	PO 2
ETE602P.3	Apply the techniques, skills, and modern engineering tools like MATLAB and digital processors.	Level 3	PO 1

Name and Sign of Course Teacher

ETE603T: Control System Engineering (Theory)

After the completion of Course, student will be able to....

		Blooms Level	PO
ETE603T.1	Analyze various applications of control systems.	Level 4	PO 1
ETE603T.2	Summarize the mathematical model of different control systems.	Level 2	PO 1, 2
ETE603T.3	Define the response of system for various inputs.	Level 1	PO 1
ETE603T.4	Identify various methods to find stability of the system	Level 3	PO 2
ETE603T.5	Analyze frequency domain response of engineering system.	Level 4	PO 1
ETE603T.6	Apply the state variable approach in design of control system applications.	Level 3	PO 1

Name and Sign of Course Teacher

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ETE604T: DIGITAL COMMUNICATION (Theory)

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ETE604T.1	Define and Explain the working principles and basic building blocks of a digital communication system.	Level 1,2	PO 1
ETE604T.2	Classify and Explain receiver techniques for detection of a signal in AWGN channel	Level 2,4	PO 1, 2
ETE604T.3	Classify and Demonstrate different digital modulation techniques.	Level 2	PO 1, 2
ETE604T.4	Demonstrate the concept of coding and decoding techniques.	Level 2	PO 1,2
ETE604T.5	Build mathematical Model of digital communication systems using appropriate mathematical techniques.	Level 3,6	PO 1,2,3
ETE604T.6	Illustrate spread spectrum analysis.	Level 6	PO 1

Name and Sign of Course Teacher

ETE604T: DIGITAL COMMUNICATION (Practical)

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ETE604P.1	Illustrate the concept of the digital communication based design for testing and analyzing the circuits.	Level 2	PO 1,2,3
ETE604P.2	Design and Test digital communication circuits and systems experiments.	Level 6	PO 1,2
ETE604P.3	Analyze the different coding technique for design and modeling of digital communication and Identify, formulate and solve digital communication circuits and systems problems.	Level 3,4,6	PO 1,2

Name and Sign of Course Teacher

ETE605 T FUNCTIONAL ENGLISH (THEORY)

After the completion of Course, Students will be able to.....

		Blooms Level	PO
ETE 605T.1	Develop some confidence to solve competitive examinations.	Level 3,6	PO 10
ETE 605T.2	Apply the knowledge of vocabulary in their communication.	Level 3	PO 10
ETE 605T.3	Organize their thoughts in English and hence face job interviews more confidently.	Level 3	PO 9,10
ETE 605T.4	Apply language skills required to construct their Reviews/ Projects/ Reports.	Level 3	PO 9,10

Name and Sign of Course Teacher

ETE606P: ELECTRONIC WORKSHOP PRACTICE (Practical)

After the completion of Course, Students will be able to

		Blooms Level	PO
ETE606P.1	Make Use of DSO and Spectrum Analyzer.	Level 3	PO 1, 2
ETE606P.2	Design PCB using PCB designing software.	Level 6	PO 2, 3
ETE606P.3	Design , fabricate and Test mini project.	Level 6	PO 3

Name and Sign of Course Teacher