

COURSE OUTCOMES

BEET301T: Applied Mathematics - III

After the completion of Course students will be able to

Course Outcome No.	Course Outcome	Bloom's Level	Level
CO1	Student can define the L.T. and solve higher order Differential Equation using L.T. With the help of L.T. Can simplify the network analysis and can get the details of frequency analysis in electronics field.	Level 1, Level 4	PO1, PO2, PO5
CO2	Students can utilize the concept of Fourier series in power network, harmonics and mainly generated by non linear elements and switching equipment. Student can analyze Signal Processing: Filtering using F.T.	Level 3, Level 4	PO 1,PO2, PO5
CO3	Students can solve the conceptual question on functional dependent on first and second order derivative,	Level 3	PO1, PO2
CO4	Function of complex variable : students can apply the function of complex variable in the field of digital signal processing, electronics design, and more. It also tells you how to build digital filters	Level 3, Level 1,	PO 1,PO2, PO4
CO5	Partial differential equation : Students are able to solve the first order and higher order partial differential equation with different methods . Also can apply the knowledge in the field of electronics and Transmission Line Equations	Level 3	PO 1 , PO2,
CO6	Students can find the eigen value using matrices . students can solve differential equation using matrices .	Level 1, Level 3	PO 1, PO2, PO5

ETE302T: Electronics Devices and Circuits (Theory)

❖ Course Outcome:

After the completion of Course students will be able to

		Blooms Level	PO
ETE302T.1	Examine the use of semiconductor devices in different electronic circuits	Level 4	PO 1
ETE302T.2	Demonstrate the characteristics of transistor.	Level 2	PO 2
ETE302T.3	Solve different performance parameters of transistors	Level 3	PO 2
ETE302T.4	Summarize the basic operating principal for oscillations	Level 2	PO 2
ETE302T.5	Analyze and design transistor amplifier circuits	Level 4	PO 2,3
ETE302T.6	Illustrate the concept of high input impedance devices like FET,MOSFET which are use to design low noise amplifier and switches	Level 2	PO 2

ETE302T: Electronics Devices & Circuits (Practical)

After the completion of Course,

		Blooms Level	PO
ETE703T	Students will be able to illustrate the use of semiconductor devices in different electronic circuits	Level 2	PO 2
ETE703T	Students will be able to analyze different performance parameters of transistors.	Level 4	PO 1

ETE303T: ELECTRONIC MEASUREMENTS AND INSTRUMENTATION (Theory)

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

		Blooms Level	PO
ETE303T.1	Explain basic concepts and definitions in measurement.	Level 2,5	PO 1
ETE303T.2	Explain the operation and design steps of electronic instruments for parameter measurement	Level 2,5,6	PO 1, 3
ETE303T.3	Explain the operation of oscilloscopes and the basic circuit blocks in the classification of an oscilloscope	Level 2,5	PO 1, 2
ETE303T.4	Explain the circuitry and study of various function generators	Level 2,5	PO 1
ETE303T.5	Explain the classification and operation of different Transducers and their various applications	Level 2,5	PO 1,2,3
ETE303T.6	Explain and discuss various signal analyzers and signal conditioning systems	Level 2,6	PO 1

ETE303T: ELECTRONIC MEASUREMENTS AND INSTRUMENTATION (Practical)

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

		Blooms Level	PO
ETE303T.1	Measure the resistance by various methods.	Level 5	PO 1,2,3
ETE303T.2	Make use of the various measuring instruments such as CRO, Function generator, Spectrum analyzer etc in effective manner.	Level 3	PO 1,2
ETE303T.3	Measure various physical parameters by using different transducers	Level 5	PO 1,2

Name and Sign of Course Teacher

ETE304T: OBJECT ORIENTED PROGRAMMING & DATA STRUCTURE (Theory)

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

		Blooms Level	PO
ETE304T.1	<i>Illustrate</i> the concept of object oriented programming language. and <i>develop</i> a well structure program in C++ language.	Level 2, 3	PO 1
ETE304T.2	<i>Define</i> compile time polymorphism Concept with its type.	Level 1	PO 1, 2
ETE304T.3	<i>Make use of</i> Inheritance concept in various scenario to increase reusability.	Level 3	PO 1
ETE304T.4	<i>Explain how</i> searching and sorting can be implemented by using an linear array.	Level 2, 1	PO 2
ETE304T.5	<i>Discover how</i> stacks & queues and link lists are used for various applications.	Level 4,1	PO 2
ETE304T.6	<i>Demonstrate</i> understanding of various terminologies of trees, traversals and basic operation on tree.	Level 3	PO 1

Name and Sign of Course Teacher

ETE304P: OBJECT ORIENTED PROGRAMMING & DATA STRUCTURE (Practical)

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

		Blooms Level	PO
ETE304P.1	<i>Develop</i> the concept class and object and <i>build</i> using C++ language.	Level 1, 2	PO 1
ETE304P.2	<i>Discuss</i> and <i>develop</i> the concept of object oriented programming in C++ Language.	Level 2, 6	PO 1, 2
ETE304P.3	<i>Illustrate how</i> the choice of searching and sorting algorithm design methods impacts the performance of programs.	Level 2,1	PO 3
ETE304P.4	<i>Illustrate How</i> linear data structures are used for dynamic representation of data.	Level 1,2	PO 3

Name and Sign of Course Teacher

**ETE305T : NETWORK ANALYSIS AND SYNTHESIS
(Theory)**

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

		Blooms Level	PO
ETE305T.1	Analyze the various electrical and electronic networks using different techniques studied	Level 4	PO 1
ETE305T.2	Elaborate in working of various components of a circuit.	Level 6	PO 1, 2
ETE305T.3	Construct a circuit to suit the need.	Level 6	PO 1, 4
ETE305T.4	Apply Mathematics in analyzing and synthesizing the networks in time and frequency domain	Level 4	PO 2
ETE305T.5	Estimate the performance of a particular network from its analysis	Level 4	PO 2
ETE305T.6	Apply Fundamental concepts in solving and analyzing different Electrical networks	Level 2,3	PO 1, 4

Name and Sign of Course Teacher