

I B.Tech I SEM- ECE COURSE OUTCOMES	
COURSE OUTCOMES – MATHEMATICS-I	
C111.1	Represent linear system of equations in matrix form and find its solution. (Synthesis)
C111.2	Apply orthogonal transformations to a quadratic form. (Application)
C111.3	Analyse the nature of sequences & series using a suitable test. (Analysis)
C111.4	Verify Rolle's, Lagrange's and Cauchy's mean value theorems for several functions. (Synthesis)
C111.5	Evaluate the improper integrals using Beta and Gamma functions. (Evaluate)
COURSE OUTCOMES – APPLIED PHYSICS	
C112.1	Explain the laws of black body radiations and basic quantum mechanical principles and theories
C112.2	Summarize the importance of semiconductors and their applications such as in solar cells
C112.3	Describe the working and applications of various optoelectronic devices such as LED and SLD and photodetectors such as solar cells, PIN, APD
C112.4	Explain the construction and working of lasers and Describe principle of propagation of light in optical fibers and losses associated.
C112.5	Describe various properties of dielectric materials and Apply the knowledge of piezo, ferro and pyro electricity.
C112.6	Describe and apply the concept of magnetic hysteresis and the importance of Maxwell's equations
COURSE OUTCOMES – PROGRAMMING FOR PROBLEM SOLVING	
C113.1	Write Algorithms and to draw flowcharts for solving problems
C113.2	Convert Algorithms /Flow charts to C programs
C113.3	Code and Test a given logic in C Programming Language
C113.4	Decompose a Problem into functions and to develop modular reusable Code
C113.5	Use Arrays, Pointers, Strings and structure to Write C programs
C113.6	Apply Searching And Sorting Techniques
COURSE OUTCOMES – ENGINEERING GRAPHICS	
C114.1	Ability to Use basic instruments and construction methods for drawings.
C114.2	Ability to Construct any 2-Dimensional drawing using first angle and third angle projection.
C114.2	Ability to Prepare any surface developments and 3-Dimensional objects.
C114.3	Ability to Construct any internal sectional views of solid objects.
C114.4	Ability to Prepare working drawings to communicate ideas and information.
C114.5	Ability to Read, understand and interpret engineering drawings.
COURSE OUTCOMES – APPLIED PHYSICS LAB	
C115.1	Explain the basic quantum mechanical principles and theories
C115.2	Summarize the importance of semiconductors and their applications in latest technologies
C115.3	Describe the principle of propagation of light in optical fibers and losses associated
C115.4	Describe the basic types of dielectric and magnetic materials and Apply the knowledge of superconducting phenomenon
C115.5	Describe the working principle of Solar cells and Apply the knowledge of piezo, ferro and pyro electricity.
C115.6	Describe the basic types of dielectric and magnetic materials and the importance of

	Maxwell equations
COURSE OUTCOMES – PROGRAMMING FOR PROBLEM SOLVING LAB	
C116.1	Ability to do Simple Numeric Problems
C116.2	Ability to evaluate Expression.
C116.3	Able to do the Programs using Arrays ,Pointers and functions
C116.4	Able to perform File operations.
C116.5	Write programs using String operations.
C116.6	Solve programs using Sorting and Searching Techniques.
I B.Tech I SEM CIVIL &MECHANICAL COURSE OUTCOMES	
COURSE OUTCOMES – MATHEMATICS-I	
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C111.2	Apply orthogonal transformations to a quadratic form. (Application)
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C111.5	Evaluate the improper integrals using Beta and Gamma functions. (Evaluate)
COURSE OUTCOMES – ENGINEERING PHYSICS	
C112.1	The knowledge of forces in nature, Newton's laws completeness relevant to engineering for converting ideas into technology.
C112.2	The knowledge of forces in nature, Newton's laws completeness relevant to engineering for converting ideas into technology..
C112.3	The knowledge of waves in one dimension, enable the students to know the applications of acoustics devices which leads to further improvement.
C112.4	In the present course, the student can gain the knowledge on the mechanism of physical bodies upon the action of forces on them, the generation, transmission and detection of waves
C112.5	Students are able to apply the concepts, principles & applications of laser and fiber optics in modern technology of physics.
COURSE OUTCOMES – PROGRAMMING FOR PROBLEM SOLVING	
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C114.3	Ability to Prepare any surface developments and 3-Dimensional objects.
C114.4	Ability to Construct any internal sectional views of solid objects.
C114.5	Ability to Prepare working drawings to communicate ideas and information.

C114.6	Ability to Read, understand and interpret engineering drawings.
COURSE OUTCOMES – ENGINEERING PHYSICS LAB	
C115.1	Student should be able to find various parameters like Magnetic field, frequency of a tuning force, Rigidity Modulus, Hall coefficient
C115.2	Student should be able to demonstrate the structure of optical fiber and determine bending losses of optical fiber
C115.3	Students should be able to discuss the working of electronic components and built the circuits by selecting the appropriate components.
C115.4	Student should be able to analyse the various properties of light and determine the related parameters of light
C115.5	Student should be able to conclude the results based on interpretation of data and graph.
COURSE OUTCOMES – PROGRAMMING FOR PROBLEM SOLVING LAB	
C116.1	Ability to do Simple Numeric Problems
C116.2	Ability to evaluate Expression.
C116.3	Able to do the Programs using Arrays ,Pointers and functions
C116.4	Able to perform File operations.
C116.5	Write programs using String operations.
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I B.Tech I SEM CSE&EEE COURSE OUTCOMES	
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C111.1	Represent linear system of equations in matrix form and find its solution. (Synthesis)
C111.2	Apply orthogonal transformations to a quadratic form. (Application)
C111.3	Analyse the nature of sequences & series using a suitable test. (Analysis)
C111.4	Verify Rolle's, Lagrange's and Cauchy's mean value theorems for several functions. (Synthesis)
C111.5	Evaluate the improper integrals using Beta and Gamma functions. (Evaluate)
COURSE OUTCOMES – CHEMISTRY	
C112.1	Identify the structural arrangement of atoms in molecules as well as in complex compounds
C112.2	Differentiate hard and soft water, water purification methods and its significance in industry and daily life.
C112.3	Identify the different corrosion mechanisms occurred in a machines and metals.
C112.4	Identify the reaction mechanism involved in the synthesis of bio-active compounds.
C112.5	Identify the structure of unknown/new compounds with the help of spectroscopy.
C112.6	Ability to identify the suitable reagents (Oxidation & Reductions) for the synthesis of bio-active compounds
COURSE OUTCOMES – BASIC ELECTRICAL ENGINEERING	
C113.1	To analyze electrical circuits using network laws and theorems.
C113.2	To solve electrical circuits using network laws and theorems.
C113.3	To Design and analyze single phase AC circuits

C113.4	To State & Construct the working of Electrical Machines
C113.5	To Identify different types of AC & DC Machines & its applications
C113.6	To Recognize components of Low Voltage Electrical Installations
COURSE OUTCOMES – ENGINEERING WORKSHOP	
C114.1	Student can able to build a wodden structure by various joints
C114.2	Student can able to make various types of fits(V & Square)
C114.3	Student can able to work on sheet meatl to make rectangualr tray and conical funnel
C114.4	Student can able to Understand hot working process
C114.5	Student can able to control a one lamp by one switch and one lamp controlled by two switches
C114.6	Student can able to Buils a structure of metal by using arc welding
C114.7	Student can able to make solid and spilt mould cavity for casting process
COURSE OUTCOMES – ENGLISH	
C115.1	Identify the importance of Raman Effect with technical vocabulary
C115.2	Comprehend the importance of ancient architecture in India
C115.3	Develop interest to know the process of making jeans.
C115.4	Develop interest in reading and writing skills.
C115.4	Examine the habits of eating in the form of essay writing.
C115.5	Critically appreciate the latest technology
COURSE OUTCOMES – ENGINEERING CHEMISTRY LAB	
C116.1	Able to Determine the hardness and chloride content in water
C116.2	Able to understand the organic molecules nature by calculation of Rf value using TCL technique.
C116.3	Able to understand the ionic conductance of molecules using conductometric and potentiometric titrations
C116.4	Able to determine the viscosity of fules and oils using Ostwald's viscometer
C116.5	Able to determine the surface tention of fuels
C116.6	Able to understand the bio-diesel synthesis using transesterification transformation
COURSE OUTCOMES – ENGLISH LANGUAGE COMMUNICATION LAB	
C117.1	Phonetics, JAM, articles,prepositions, synonyms and antonyms.
C117.2	Structure os Syllables and Role plays
C117.3	Minimal pairs,word stress, descriptions and giving directions
C117.4	Intonation and Public Speaking
C117.5	The influence of mother tongue, Information transfer, oral presentation skills, reading comprehension and job application with resume preparation
COURSE OUTCOMES – BASIC ELECTRICAL ENGINEERING LAB	
C118.1	To Develop Electrical Circuits using basic Laws
C118.2	To Draw the response of different types of electrical circuits to different excitations
C118.3	To solve the relation between basic electrical parameters with different types of

	connections
C118.4	To analyze the performance characteristics of AC electrical machines
C118.5	To analyze the performance characteristics of DC electrical machines
C118.6	To analyze the performance characteristics of Transformers
I B.Tech II SEM- ECE COURSE OUTCOMES	
COURSE OUTCOMES – MATHEMATICS-II	
C121.1	The students will apply the fundamental concepts of ODE and formulate and solve differential equation problems in the field of engineering.
C121.2	Predict the suitable method to solve second and differential equations
C121.3	Prepare to evaluate multiple integrals in rectangular spherical and cylindrical coordinates
C121.4	The students will understand the basics of vector differentiation and vector integration
C121.5	Apply Gauss Divergence theorem for evaluating the surface integral
C121.6	Verify applications of Green's theorem, Stoke's theorem and Divergence theorem
COURSE OUTCOMES – CHEMISTRY	
C122.1	Identify the structural arrangement of atoms in molecules as well as in complex compounds
C122.2	Differentiate hard and soft water, water purification methods and its significance in industry and daily life.
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C126.2	Able to understand the organic molecules nature by calculation of R _f value using TLC technique.
C126.3	Able to understand the ionic conductance of molecules using conductometric and potentiometric titrations
C126.4	Able to determine the viscosity of fuels and oils using Ostwald's viscometer
C126.5	Able to determine the surface tension of fuels
C126.6	Able to understand the bio-diesel synthesis using transesterification transformation
COURSE OUTCOMES – ENGLISH LANGUAGE COMMUNICATION SKILLS LAB	
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C127.4	Intonation and Public Speaking
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COURSE OUTCOMES – ENGINEERING MECHANICS	
C123.1	Determine resultant of forces acting on a body & analyse equilibrium of a body subjected to a system of forces. (Analysis)
C123.2	Solve problems of bodies subjected to friction. (Evaluate)
C123.3	Find the location of centroid & centre of gravity of a given section and Composite sections. (Knowledge)
C123.4	Determine the area of moment of inertia & mass moment of inertia of a given section & built-up sections. (Evaluate)
C123.5	Understand the kinetics & kinematics of a body undergoing rectilinear, curvilinear, rotary motion & rigid body motion (Knowledge)
C123.6	Solve problems using work –energy equations for translation, Fixed axis rotation & plane motion. (Application).
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