



Rishi M.S. Institute of Engineering & Technology for Women

(Approved by A.I.C.T.E., & Affiliated to J.N.T.U.H.)

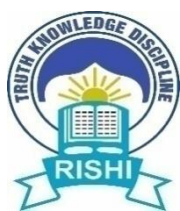
(In Memory of "BHARAT RATNA" Mrs. M.S. Subbulakshmi)

Near J.N.T.U.H Metro Station, Nizampet 'X' Road, Kukatpally, Hyderabad - 500 085.

E-mail: rishims2009@gmail.com, Phone: 040-23892878, Fax: 040-23892858.

Humanity & Sciences I & II Sem Course outcomes for the Academic year 2024-2025

S.NO	SUBJECT CODE	SUBJECT NAME	Course Outcomes
1	MA101BS	Matrices and Calculus	CO1: Identify the matrix representation of a set of linear equations and to analyze the solution of the system of equations
			CO2: Calculate the Eigen values and Eigen vectors
			CO3: Analyze the nature of sequence and series.
			CO4: Evaluate the improper integrals using Beta and Gamma functions
			CO5: Solve the extreme values of functions of two or three variables with/ without constraints.
2	EN105HS	English for Skill Enhancement	CO1: Identify the importance of Raman Effect with technical vocabulary.
			CO2: Comprehend the importance of ancient architecture in India
			CO3: Develop interest to know the process of making Jeans.
			CO4: Examine the habits of eating in the form of essay writing



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			CO5: Critically appreciate the latest technology
3	EN107HS	English Language and Communication Skills Lab	CO1: Develop their confidence while giving introduction, describing a place and giving directions.
			CO2: Use various functions of English like asking for and giving information inviting people for events/occasions, and requesting people
			CO3: Narrate the past experiences and events in speaking and writing
			CO4: Express their views and opinions logically and appropriately in spoken and written format.
			CO5: Deliver logically organised speeches and present them without hesitations.
4	AP202BS	Applied Physics	CO1: The student would be able to learn the fundamental concepts on Quantum behavior of matter in its micro state.
			CO2: The knowledge of fundamentals of Semiconductor physics, Optoelectronics, Lasers and fibre optics enable the students to apply to various systems like communications, solar cell, photo cells and so on.
			CO3: Design, characterization and study of properties of material help the students to prepare new materials for various engineering applications.
			CO4: The course also helps the students to be exposed to the phenomena of electromagnetism and also to have exposure on magnetic materials and dielectric materials.
5	AP205BS	Applied Physics Lab	CO1: Understand the practical knowledge Energy gap of P-N junction diode:Light emitting diode.
			CO2: Determine the energy gap of a semiconductor



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			diode.
			CO3: Understand the practical knowledge Solar Cell, Photoelectric effect, Hall effect.
			CO4: To study the Stewart – Gee’s experiment.
			CO5: TO IDENTIFY Laser ,Optical fibre characteristics.
6	MA201BS	Ordinary Differential Equations and vector Calculus	CO1: Identify whether the given differential equation of first order is exact or not
			CO2: Solve higher differential equation and apply the concept of differential equation to real world problems.
			CO3: Use the Laplace transforms techniques for solving ODE’s.
			CO4: Evaluate the line, surface and volume integrals and converting them from one to another
7	CH102BS	Engineering Chemistry	CO1: Identify the knowledge of atomic, molecular and electronic changes, band theory related to conductivity.
			CO2: Comprehend the required principles and concepts of electrochemistry, corrosion and in understanding the problem of water and its treatments
			CO3: Develop the required skills to get clear concepts on basic spectroscopy and application to medical and other fields.
			CO4: Develop the knowledge of configurationally and



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			conformational analysis of molecules and reaction-mechanisms..
			CO5: Examine the paracetamol and aspirin.
8	CH107BS	Engineering Chemistry Lab	CO1: Determination of total hardness of water by complexometric method using EDTA?HHH
			CO2: Estimation of an HCl by Conductometric titrations .
			CO3: Verification of Freundlich adsorption isotherm-adsorption of acetic acid on charcoal.
			CO4: Develop the Synthesis of Aspirin and Paracetamol.
			CO5: Examination of chloride content of water by Argentometry .
9	EE109ES	Basic Electrical Engineering	CO1: To analyze and solve electrical circuits using network laws and theorems in DC circuits.
			CO2: To analyze and solve electrical circuits using network laws and theorems in AC circuits
			CO3: To understand and analyze basic Electric and Magnetic circuits
			CO4: To study the working principles of Electrical Machines
			CO5: To introduce components of Low Voltage Electrical Installations
10	EE108ES	Basic Electrical	CO1: Get an exposure to basic electrical laws.
			CO2: Understand the response of different types of



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		Engineering Lab	electrical circuits to different excitations.
			CO3: Understand the measurement, calculation and relation between the basic electrical parameters
			CO4: Understand the basic characteristics of transformers and electrical machines.
			CO5: Understand how to measure voltage current, power in AC circuits.
			CO6: Understand the performance characteristics of generators & motors.
			CO7: Understand torque-speed characteristics of motors
11	ME204ES	Computer Aided Engineering Graphics	CO1: under stand the basic rules of engineering graphics
			CO2: construction of the conic curves, cycloide curves and scales
			CO3: under stand the ortho projection of points ,lines & planes
			CO4: under stand the ortho projection of solids and section of solids
			CO5: under stand the surface development and intersection of solids
			CO6: evaluate the iso to ortho and ortho to iso



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			projectiones
12	ME203ES	Engineering workshop	CO1:Determine resultant of forces acting on a body and analyze equilibrium of a body subjected to a system of forces
			CO2:Study the effect of friction in static and dynamic conditions
			CO3:Find the location of centroid and calculate moment of inertia of a given section.
			CO4:Understand the kinetics and kinematics of a body undergoing rectilinear, curvilinear, rotatory motion and rigid body motion
			CO5:Solve problems using work energy equations for translation, fixed axis rotation and plane motion and solve problems of vibration