



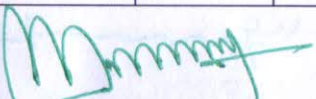
# RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 402

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING


Regulation - 2017

Course ID	Semester	Course Code	Course Name	Course Outcome
C101	I	HS8151	Communicative English	CO1 Listen and recognize main ideas from different discourses in different accents.
				CO2 Speak clearly, confidently, comprehensively, and communicate with one or many listeners using appropriate communicative strategies
				CO3 Read different genres of text adopting various reading strategies
				CO4 Write cohesively and coherently by using a wide range of vocabulary and organize ideas logically on a topic without grammatical errors
				CO5 Determine the main and subordinate ideas, draw conclusions and summarize information from written material
C102	I	MA8151	Engineering Mathematics - I	CO1 Use both the limit definition and rules of differentiation to differentiate functions
				CO2 Apply differentiation to solve maxima and minima problems
				CO3 Evaluate integrals both by using Reimann sums and by using the fundamental theorem of convergent improper integrals. Evaluate integrals using techniques of

  
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				integration, such as substitution, partial Fractions, integration by parts and improper integrals.
				CO4 Apply integration to compute multiple integrals, area, volume, integrals in polar Coordinates, in addition to change of order and change of variables.
				CO5 Apply various techniques in solving differential equations.
C103	I	PH8151	Engineering Physics	CO1 Demonstrate the properties of elasticity and measure the different moduli of elasticity.
				CO2 Examine the characteristics of waves, Laser and optical fiber
				CO3 Illustrate different modes of heat transfer through objects.
				CO4 Explain the black body radiation, properties of matter waves and schrodinger equations
				CO5 Classify the bravais lattices, crystal structures, crystal imperfections and crystal growth techniques
C104	I	CY8151	Engineering Chemistry	CO1 Explain the hardness of water, its types and estimation, boiler troubles and treatment of boiler feed water.
				CO2 Explain adsorption, types and theories of adsorption isotherm and its application in pollution abatement, theories of catalysis and applications
				CO3 Understand the basic concepts of phase rule and its application to one and two component systems, properties, significance and applications of alloys.

  
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				CO4 Relate the significance of solid, liquid and gaseous fuels and to calculate the calorific value of fuels.
				CO5 Illustrate the methods of harvesting energy from non-conventional energy sources
C105	I	GE8151	Problem Solving and Python Programming	CO1 Develop algorithmic solutions to simple computational problems .
				CO2 Demonstrate programs using simple Python statements and expressions.
				CO3 Explain control flow and functions concept in Python for solving problems.
				CO4 Use Python data structures- lists, tuples & dictionaries for representing compound data.
				CO5 Explain files, exception, modules and packages in Python for solving problems.
C106	I	GE8152	Engineering Graphics	CO1 Familiarize with the fundamentals and standards of engineering graphics.
				CO2 Perform freehand sketching of basic geometrical constructions and multiple views of objects.
				CO3 Project orthographic projections of lines and plane surfaces.
				CO4 Draw projections, solids and development of surfaces.
				CO5 Visualize and to project isometric and perspective sections of simple solids.
C107	I	GE8161	Problem Solving and Python	CO1 Develop solutions to simple computational problems using Python programs.
				CO2 Solve problems using conditionals and loops in Python.
				CO3 Develop Python programs by defining functions and calling them.

  
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			Programming Laboratory	CO4 Use Python lists, tuples & dictionaries for representing compound data.
				CO5 Develop Python programs using files.
C108	I	BS8161	Physics and Chemistry Laboratory	CO1 Determine and estimate the types of alkalinity & hardness of a given water sample.
				CO2 Estimate the amount of copper content present in a given sample.
				CO3 Determine the strength of an acid by using pH meter.
				CO4 Evaluate moment of inertia of disc and rigidity modulus for thin wire using Torsion pendulum.
				CO5 Appraise Young's modulus of the beam by Non-Uniform bending method.
C109	II	HS8251	Technical English	CO1 Read technical texts and write area- specific texts effortlessly
				CO2 Listen and comprehend lectures and talks in their area of specialization successfully
				CO3 Speak appropriately and effectively in varied formal and informal contexts
				CO4 Write reports and winning job applications.
				CO5 Use appropriate technologies to organize, present, and communicate information to address a range of audiences, purposes, genres
C110	II	MA8251	Engineering Mathematics - II	CO1 Calculate the eigen values and eigenvectors, diagonalization of a matrix, Symmetric matrices, Positive definite matrices and similar matrices
				CO2 Evaluate the line, surface and volume integrals using Gauss, Stokes and Green's theorems and their verification.

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