



# RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

COIMBATORE – 641 402

DEPARTMENT OF MECHANICAL ENGINEERING

Regulation - 2013

Course ID	Semester	Course Code	Course Name	Course Outcome	Course Outcome
C101	I	HS6151	Technical English – I	C01	Explain clearly, confidently, comprehensibly, and communicate with one or Many listeners using appropriate communicative strategies.
				C02	Construct cohesively and coherently and flawlessly avoiding grammatical errors, using a wide vocabulary range, organizing their ideas logically on a topic.
				C03	Organize different genres of texts adopting various reading strategies.
				C04	Distinguish and comprehend different spoken discourses/excerpts in different accents.
				C05	Improve listening to different accents, speeches and presentations.
C102	I	MA6151	Mathematics - I	C01	Find canonical form from quadratic form using the concepts of Eigen values and eigen vectors.
				C02	Test the convergence of sequences and series.
				C03	Apply the techniques of differential calculus to find the evaluate and envelope of curves.
				C04	Determine the maxima and minima of functions of two variables using partial derivatives.
				C05	Find the area enclosed by plane curves and volume of solids using multiple integrals.

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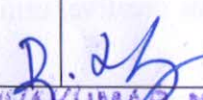
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C103	I	PH6151	Engineering Physics-I	C01	Extend the knowledge about the crystal structures and crystal growth techniques.
				C02	Interpret the fundamental knowledge about the elastic nature of materials and able to differentiate a good thermal conductor from the bad thermal conductor.
				C03	Apply the knowledge of quantum mechanics and classical mechanics in addressing problems related to science and technology.
				C04	Utilize the knowledge about designing an auditorium with good acoustical properties and make use of ultrasonic and its applications in various fields.
				C05	Identify and appreciate the advantages of optical communication using LASER.
C104	I	CY6151	Engineering Chemistry-I	C01	Describe the methods of polymerization, types and properties of polymers.
				C02	Illustrate the concepts of basic thermodynamics and problem solving skills in various disciplines of Engineering.
				C03	Discuss the laws of photochemistry in recognizing the interaction of light with matter and its applications in luminescence and spectroscopy.
				C04	Review the use of the phase rule in identifying its applications in Metallurgical Engineering.
				C05	Summarize the basic knowledge in Nano chemistry and distinguish the existing technology with nano technology.
C105	I	GE6151	Computer Programming	C01	Describe the functions of a digital computer with its organization and translate program logic into pseudo code and flow chart
				C02	Apply the different conditional constructs to solve simple scientific and statistical problems
				C03	Demonstrate the usage of functions and pointers with the help of C programs

*R.S.*  
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				C04	Use the arrays and strings for writing programs involving character manipulations
				C05	Apply the concept of structures and unions in writing C programs
C106	I	GE6152	Engineering Graphics	C01	Familiarize with the fundamentals and standards of Engineering graphics
				C02	Perform freehand sketching of basic geometrical constructions and multiple views of objects.
				C03	Project orthographic projections of lines and plane surfaces
				C04	Draw projections and solids and development of surfaces.
				C05	The student will be able to Visualize and to project isometric and perspective sections of simple solids.
C107	I	GE6161	Computer Practices Laboratory	C01	Use of office automation tools.
				C02	Apply good programming design methods for program development.
				C03	Design and implement the C programs for simple applications.
				C04	Develop and implement the recursive programs.
				C05	Implement the C programs with the help of structures and unions.
C108	I	GE6162	Engineering Practices Laboratory (Group A)	C01	Construct carpentry components and pipe connections including plumbing works.
				C02	Use welding equipment's to join the structures
				C03	Illustrate the basic machining operations
				C04	Construct the models using sheet metal works
				C05	Describe centrifugal pump, Air conditioner, operations of smithy, foundry and fittings.

  
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