



SIR C R REDDY COLLEGE OF ENGINEERING
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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Course Outcomes (A.U 2015-2019 & 2016-2020)

I Year Semester – I:

COURSE	CO NO	COURSE OUTCOME DESCRIPTION
English	C111.1	Apply the four language learning skills-listening, speaking, reading, writing (LSRW) for professional success.
	C111.2	Employ knowledge of grammatical structures and vocabulary in speech and writing
	C111.3	Apply effective communication skills to enhance professional possibilities.
	C111.4	Develop acceptable personality traits suitable for chosen profession.
Mathematics I	C112.1	Apply the partial differentiation techniques to solve certain problem arise in engineering.
	C112.2	Solve the Differential Equations of first order and first degree related to various engineering applications.
	C112.3	Solve the linear higher order differential equations with constant coefficients.
	C112.4	Examine the nature, interval of convergence of infinite series.
Mathematics II	C113.1	Solve system of linear simultaneous equations of various matrix methods.
	C113.2	Apply Eigen value computation techniques to reduce a given quadratic to canonical form
	C113.3	Apply Laplace transforms functions for solving ordinary differential equations.
	C113.4	Apply special functions to evaluate improper integrals.
Physics	C114.1	Learn the laws of Thermodynamics, efficiency of heat engine and their importance in Engineering.
	C114.2	Study the importance of Maxwell equations in electromagnetic fields.
	C114.3	Gains the knowledge of optical phenomena and identify their importance in Engineering.
	C114.4	Understand the working of Lasers & its propagation through Optical fibers and importance of Ultrasonic waves in engineering applications.
	C114.5	Acquire the knowledge of Superconductors, Nanomaterials and their utilization in various applications.
Engineering Graphics	C115.1	Construct polygons and draw curves used in engineering applications
	C115.2	Construct scales, Apply concept of orthographic projection to project points and lines parallel to one reference planes.
	C115.3	Produce orthographic projections of lines inclined to both the reference planes.
	C115.4	Produce orthographic projections of planes inclined to both the reference planes.
	C115.5	Produce orthographic projections of regular solids inclined to both the reference planes.
PEHV	C116.1	Understand the values in education and real life
	C116.2	Understand the values in respective professions and analyze the ethical role of engineers
	C116.3	Understand the concept of harmony in life and moral responsibility of engineers
Physics Lab	C117.1	Apply the knowledge of different phenomena of light like interference, diffraction and handle various optical measuring instruments.
	C117.2	Verify the laws of thermo dynamics, electro magnetism and stretched string.
	C117.3	Draw the relevance between theoretical knowledge and the means to imply it in a practical manner by performing various relative experiments
Workshop	C118.1	Follow necessary safety precautions while operating equipment and tools to avoid accidents in workshop.
	C118.2	Apply wood working knowledge in making simple wood joints by selecting appropriate carpentry tools.
	C118.3	Apply development of surfaces concept in producing simple sheet metal works with the use appropriate sheet metal tools.
	C118.4	Prepare simple fitting joints with the use of proper fitting tools