DEPARTMENT OF FIRST YEAR ENGINEERING

2.6.1. Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website and attainment of POs and COs are evaluated

(SEM – II – C – SCHEME)

2022 REGULATION-COURSE OUTCOMES

SEMESTER	COURSE CODE	COURSE NAME	COURSE ID	COURSE OUTCOME
II	FEC201	Engineering Mathematics-II	CO 1	Solve various types of First Order differential equation.
			CO 2	Solve various types of Higher Order Differential equation.
			CO 3	Illustrate the concepts of Beta and Gamma function, DUIS and rectification.
			CO 4	Apply the concepts of Double integral
			CO 5	Apply the concept of Triple integral
			CO 6	Apply the principles of Numerical Method for solving differential equation andnumerical integration analytically and using Skylab also
II	FEC202	Engineering Physics-II	CO 1	Describe the diffraction through slits and its applications.
			CO 2	Apply the foundation of laser and fiber optics in development of modern communicationtechnology.
			CO 3	Relate the basics of electrodynamics which is prerequisite for satellite communications,antenna theory etc.
			CO 4	Explain the fundamentals of relativity.
			CO 5	Assimilate the wide scope of nanotechnology in modern developments and its role inemerging innovating applications.
			CO 6	Interpret and explore basic sensing techniques for physical measurements in modern instrumentations.
II	FEC203	Engineering Chemistry-II	CO 1	Distinguish the ranges of the electromagnetic spectrum used for exciting differentmolecular energy levels in various spectroscopic techniques.
			CO 2	Illustrate the concept of emission spectroscopy and describe the phenomena offluorescence and phosphorescence in relation to it.
			CO 3	Explain the concept of electrode potential and nearest theory and relate it toelectrochemical cells.
			CO 4	Identify different types of corrosion and suggest control measures in industries.
			CO 5	Illustrate the principles of green chemistry and study environmental impact.
			CO 6	Explain the knowledge of determining the quality of fuel and quantify the oxygenrequired for combustion of fuel.

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II	FEC204	Engineering Graphics	CO 1	Apply the basic principles of projections in Projection of Lines and Planes
			CO 2	Apply the basic principles of projections in Projection of Solids.
			CO 3	Apply the basic principles of sectional views in Section of solids.
			CO 4	Apply the basic principles of projections in converting 3D view to 2D drawing.
			CO 5	Read a given drawing.
			CO 6	Visualize an object from the given two views.
II	FEC205	C Programming	CO 1	Formulate simple algorithms for arithmetic, logical problems and translate them toprograms in C language
			CO 2	Implement, test and execute programs comprising of control structures.
			CO 3	Decompose a problem into functions and synthesize a complete program.
			CO 4	Demonstrate the use of arrays, strings and structures in C language.
			CO 5	Understand the concept of pointers
II	FEC206	Professional Communication and Ethics- I	CO 1	Eliminate barriers and use verbal/non-verbal cues at social and workplace situations.
			CO 2	Employ listening strategies to comprehend wide-ranging vocabulary, grammaticalstructures, tone and pronunciation.
			CO 3	Prepare effectively for speaking at social, academic and business situations.
			CO 4	Use reading strategies for faster comprehension, summarization and evaluation of texts.
			CO 5	Acquire effective writing skills for drafting academic, business and technical documents.
			CO 6	Successfully interact in all kinds of settings, displaying refined grooming and socialskills.