



**PADM. DR.V. B. KOLTE COLLEGE OF ENGINEERING,
MALKAPUR**
MUKTAINAGAR ROAD, MALKAPUR, DIST- BULDANA-443101

First Year Course Outcomes

Semester	Subject	Course outcome statement
First	English (22101)	1. Formulate grammatically correct sentences.
		2. Summarize comprehension of passages
		3. Formulate different types of dialogues.
		4. Use relevant vocabulary to compose paragraphs to express ideas, thoughts and emotions.
		5. Use relevant words in writing and delivering short and long speeches.
First	Basic Science Physics (22102)	1. Estimate errors in measurement of physical quantities.
		2. Apply the principles of electricity and magnetism to solve engineering problems.
		3. Use the basic principles of heat and optics in related engineering applications.
First	Basic Science Chemistry (22102)	1. Apply the catalysis process in industries.
		2. Use corrosion preventive measures in industry.
		3. Use relevant engineering materials in industry.
First	Basic Mathematics (22103)	1. Apply the concept of algebra to solve engineering related problems.
		2. Utilize basic concept of trigonometry to solve elementary engineering problems.

		3. Solve basic engineering problems under given conditions of straight lines.
		4. Solve the problems based on measurements of regular closed figure and regular solids.
		5. Use basic concepts of statistics to solve engineering related problems.
Second	Applied Mathematics (22224)	1. Calculate the equation of tangent, maxima, minima, radius of curvature by differentiation.
		2. Solve the given problems of intergradation by suitable method.
		3. Apply the concept of integration to find the area and volume
		4. Solve the differentiation equation for first order and first degree using suitable methods.
		5. Apply the concept of numerical methods in computer programming language.
Second	Applied Mathematics (22210)	1. Calculate the equation of tangent, maxima, minima, radius of curvature by differentiation.
		2. Solve the given problems of intergradation by suitable method.
		3. Apply the concept of integration to find the area and volume
		4. Solve the differentiation equation for first order and first degree using suitable methods.
		5. Use laplace transform to solve first order first degree differential equation.
Second	Applied Science Physics (22211)	1. Use the relevant capacitors in electrical circuit
		2. Use equipment /instrument based on the radioactive and ultrasonic principles
		3. Use equipment /instrument based on photoelectric effect, X-ray and laser.
Second	Applied Science	1. Select relevant water treatment process for various applications.

	Chemistry (22211)	2. Use relevant electrolyte in batteries for different applications.
		3. Use relevant metals, alloys and insulating material in various applications.
Second	Business Communication using computer (22009)	1. Communicate effectively by avoiding barriers in various formal and informal situations
		2. Communicate skilfully using non-verbal method of communication
		3. Give presentations by audio visual aids.
		4. Write reports using correct guidelines
		5. Compose emails and formal business letters.