MVSR Engineering College, Nadergul.

Department of Mechanical Engineering

COURSE OUTCOMES

Class: B. E. 2nd Semester (Common to Mechanical Engg and Automobile Engg)
Name of the course: Engineering Mechanics
Course Name (Code): CE 205

At the end of the course student is able to

CO no.	Course Outcomes	PO & PSO
205.1	Compute Center of gravity and mass moment of inertia for simple and composite elements using integration methods and transform theorem; calculate radius of gyration for regular and composite structures.	PO1,PO2, PO12
205.2	ApplyPrinciple of Virtual workon simple systems	PO1,PO2, PO12
205.3	Obtain displacement, velocity and acceleration relations of particles in rectilinear and curvilinear motion including projectiles; write equations of motion under influence of forces for particles and connected bodies and for plane motion of rigid bodies.	PO1,PO2, PO12
205.4	Apply Principles of work and energy to motion of particle or connected bodies to evaluate the velocities and angular velocities of bodies in connected systems and involving plane motion.	PO1,PO2, PO12
205.5	Apply Principle of conservation of Momentum and impulse force/moment to evaluate the velocities of a body after application of force/moment, and of bodies in impact/collision considering Coefficient of Restitution.	PO1,PO2, PO12