

R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY



R.S.M. Nagar, Puduvoyal – 601 206.

DEPARTMENT OF SCIENCE & HUMANITIES

Online Course	New engineering materials
Title	
Faculty attended	T Sundareswaran
Learning Outcome	To know how the engineering materials can withstand stress and strain
Summary / Content of the programme	 This course explores the topic of solid objects subjected to stress and strain. The methods taught in the course are used to predict the response of engineering structures to various types of loading, and to analyze the vulnerability of these structures to various failure modes. Axial loading with be the focus in this course. Week 1- Stress and Strain Fundamentals In this section, we will study the fundamentals of stress and strain as applied to Mechanics of Materials. Week 2- Stress-Strain Diagrams, Material Properties, and Shear Stress and Strain In this section, we will develop stress-strain diagrams, discuss material properties, and look more in depth at shear stress and strain. Week 3 - Stresses on Inclined Planes
Suggestions / comments of Faculty	The PPT and organizing committee was good.