

VIII SEM Course Outcomes

Subject: Operations Management		Code: 10ME81
CO1	Describe the concept of operations management and productivity	
CO2	Apply decision models to various real time problems	
CO3	Solve and analyze real time problems using different forecasting techniques	
CO4	Evaluate and rank capacity locations, plan and schedule production by solving the problems	
CO5	Describe MRP & CRP concepts, inventory types and its objectives and calculate EOQ using various models	
CO6	Summarize the concepts of purchasing and supply chain management	
Subject: Rapid Prototyping		Code: 10ME837
CO1	Remember the terminologies and fundamental concepts associated with rapid prototyping	
CO2	Classify the rapid prototyping processes on the basis of physical state of materials input used	
CO3	Understand the need and implications of various rapid prototyping technologies,	
CO4	Explain the principles of working of concept modellers such as Thermal jet printers,	
CO5	Discuss various rapid tooling technologies and understand how it relates to the types	
CO6	Evaluate and optimize the rapid prototyping processes and apply them to practical problems.	
Subject: Automotive Engineering		Code: 10ME844
CO1	Remember the terminologies and fundamental concepts associated with Automotive engineering.	
CO2	Classify the choice of materials for different engine components, engine positioning, cooling requirements, methods of cooling, thermostat valves	
CO3	Understand the General arrangement of clutch, Principle of friction clutches, Torque transmitted, Constructional details, Fluid flywheel, Single plate, multi-plate and centrifugal clutches. Gear box: Necessity for gear ratios in transmission, synchromesh gear boxes, 3, 4 and 5 speed gear boxes.	
CO4	Explain the functions of turbo chargers, superchargers ,braking, suspension, lubrication system and pollution controlling methods in a IC Engine.	
CO5	Discuss various braking and transmission technologies and understand their function.	
CO6	Evaluate and Analyse treating the exhaust gas emissions following Emission standards- Euro I, II, III and IV norms, Bharat Stage II, III norms.	