

School: SET		Batch: 2024-2028
Program: B.Tech		Current Academic Year: 2025-2026
Branch: Mechanical Engineering		Semester: IV
1	Course Code	HMM305
2	Course Title	Management for Engineers
3	Credits	3
4	Contact Hours (L-T-P)	3-0-0
	Course Status	Compulsory
5	Course Objective	The objective of this course is to expose the students to understand the basics of Management Foundations. The students will be given a detailed grounding for the theories and cases related to the general management. The aim of the course is to orient the students in theories and practices of Management so as to apply the acquired knowledge in actual business practices. This is a gateway to the real world of management and decision-making.
6	Course Outcomes	CO1: Define basic principles and concepts related to management in an organization including the functions, different theories of management and roles they play in an organization. CO2: Explain the primary function of Planning with its process. Also, how forecasting is done in organizations with various techniques are used. CO3: Use of organizing by studying different types of organization and also using decentralization and span of control in organizations. CO4: Analyse jobs, recruitment process, manpower planning, job rotation, training and rewards in various organizations. CO5: Measure motivation and management control concepts to obtain effective control in the management system in organizations. CO6: Develop a proper system in an organization by using all the functions of management.
7	Course Description	This course gives an overview of engineering management and helps to understand the various functions of management used in an organization. The focus of the course is the development of individual skills and team work.
8	Outline syllabus	CO Mapping
	Unit 1 Introduction of Management & Organisation	CO1,CO6
	A Management-Definition of Management & Organisation	CO1,CO6
	B Concept, Nature, Scope and Functions of Management, Levels of Management, Management Theories - Taylors principle, Fayol's Principles, Hawthorne Studies, Systems Approach and Contingency Approach to Management.	CO1,CO6
	C Mintzberg's Managerial Roles, Skills of Manager, Functions of management	CO1,CO6
	Unit 2 Management Planning Process	CO2,CO6
	A Planning objectives and characteristics.	CO2,CO6
	B Hierarchies of planning.	CO2, CO6

	C	The concept and techniques of forecasting.				CO2,CO6		
	Unit 3	Organizing				CO3,C06		
	A	Meaning, Importance and Principles				CO3,C06		
	B	Departmentalization, Span of Control				CO3,C06		
	C	Types of Organization, Authority, Delegation of Authority				CO3,C06		
	Unit 4	Staffing				CO4,C06		
	A	Meaning, Job analysis				CO4,C06		
	B	Manpower planning, Recruitment, Transfers and Promotions				CO4, CO6		
	C	Appraisals, Management Development, Job Rotation, Training, Rewards and Recognition,				CO4, CO6		
	Unit 5	Directing & Controlling				CO5,CO6		
	A	Motivation, Co-ordination, Communication,				CO5,CO6		
	B	Directing and Management Control, Decision Making,				CO5,CO6		
	C	Management by objectives (MBO) the concept and relevance. Objectives and Process of Management Control				CO5,CO6		
	Mode of examination	Theory						
	Weightage Distribution	CA (25)				ETE		
		Assessment 1 (10)	Assessment 2 (5)	Assignment 1 (5)	Assignment 2 (5)	75		
	Text book/s*	1. Principles & practice of Mgmt., L.M. Prasad						
	Other References	1. Management Today, Burton & Thakur 2. Principles & Practices of Mgmt., C.B. Gupta 3. Understanding Management, Richard L.Daft 4. Management, Stoner, Freemond & Gilbert 5. Essential of Management, Koontz O' Donnel						

1.3.5 Program Outcome Vs Courses Mapping Table:

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PSO1	PSO2	PSO3
CO305.1	2	1	2	2	2	2	-	2	1	3	-	1	1	2
CO305.2	1	1	2	2	1	2	1	-	-	2	2	1	1	2
CO305.3	3	1	1	2	3	2	-	2	-	-	1	1	2	2
CO305.4	-	2	2	1	-	1	-	1	-	2	1	1	1	2
CO305.5	-	1	2	2	-	2	3	1	2	-	-	2	2	1
CO305.6	1	2	1	1	2	2	2	-	1	-	-	2	2	2
CO305														

1-Slight (Low)

2-Moderate (Medium)