

MN2001 – Management I

Subject Code	MN2001	Subject Title	Management I			
Credits	4.0	Total Hours	Lectures	45 h	Pre-Requisites	None
GPA/NGPA	GPA		Assignments	30 h		
Aim: To make the students aware a range of management issues and feel in advance the experiences to be faced by engineering managers in the process of making engineering decisions and teach them the role of an engineer in the management of engineering organizations, financial control and dealing with the environment.						
Learning Outcomes On successful completion of this module, students are able to:						
LO1. Understand the role of management in industry and its relevance to engineers.						
LO2. Assess and appreciate value of historical development in engineering and technology, its socio economic impacts and evolution of management theories.						
LO3. Discuss Organisation and its behavior						
LO4. Value the importance of Human Resource Management and its importance in managing engineering firms.						
LO5. Analyse critically business and economic environment and prepare, understand and interpret financial statements.						
LO6. Learn and practice health, safety and welfare management concepts at the work place.						
LO7. Appreciate the importance of environmental management and engineering obligations to the society, and analyse and report environmental impact in engineering practice and appraise sustainability.						
LO1.	Understand the role of management in industry and its relevance to engineers. [2 h] Scope and significance of the subject of management for engineers; Functions of management - planning, organizing, staffing, leading, and controlling; Interrelationship of each function to another;					
LO 2.	Assess and appreciate value of historical development in engineering and technology, its socio economic impacts and evolution of management theories. [4 h] The basis of management theory, science and practice; Historical development of management thoughts, and most influential management Gurus.					
LO 3.	Discuss Organisation and its behavior [8 h] Organizational Behavior, Foundations of Individual Behavior, Attitudes & Job Satisfaction, Personality & Values, Perception & Individual Decision Making. Motivation: From Concepts to Application, Emotions & Mood, Group Behavior, Understanding Working with Teams, Communication, Leadership traits and skills, Manager and Leader, Basic Approaches to Leadership, Contemporary Issues in Leadership, Power & Politics, Conflict & Negotiation, Foundations of Organizational Structure, Organizational Culture, Human Resource Policies & Practices, Organizational Change and Stress Management.					
LO 4.	Value the importance of Human Resource Management and its importance in managing engineering firms. [6 h] Human resources in an organisation, Role of HRM, job design, manpower planning, employee resourcing, interviewing, performance appraisal and feedback, grievance handling, rewarding, training, career and succession planning, trade unions, discipline, motivation, incentive schemes, employer and employee relations, determination of wages and other benefits, mediation and arbitration					
LO5	Analyse critically business and economic environment, and recording financial transactions, prepare, understand and interpret financial statements [12 h] Understanding business and economic environment: Business environment, business objectives and functions, role of managers, types of business enterprises, business planning. Difference between financial accounting and cost accounting, Primary entry book and cash book, double entry system, the ledger and the trail balance,					

	preparations of financial statements, Profit and loss account and balance sheet, cash and fund flow statements, accounting for depreciation, book value and salvage value of assets, interpretation of financial statements.
LO 6.	Practice health, safety and welfare management concepts at the work place [4 h] Safety and industrial Hazards: Accidents and prevention of accidents at workplace. Observing safety with machines, tools and equipment. Housekeeping of the workplace. Safety requirement of installations. Health, safety and welfare of the workforce. First aid on the shop floor.[04 hrs]
LO7.	Appreciate the importance of environmental management and engineering obligations to the society, and analyse and report environmental impact in engineering practice and appraise sustainability. [10 h] Functioning of the natural system on earth; relationship between natural system and humankind; diverse influences of human activity on the natural system; need for management and human responsibility to keep the system in a healthy condition; an understanding of sustainable development and management, without compromising the ability of future generations to meet their own needs; an understanding of how local environments contribute to the global environmental sensitivity to, and a sense of responsibility and concern for, the welfare of the environment and all other lives; an awareness of their own values concerning environmental issues; personal development and participation in local and global environmental concerns.
Tutorial Work: Five classes [5×2 h] Assignments: Five take home assignment [5×4 h]	
Assessment	
a	Assignments 30%
b	End of semester Written examination: 3 h test - 70%
Rec. Bks.	<ol style="list-style-type: none"> 1. Management by Harold Koontz, Cyril O' Donnell, Heinz Weirich 2. Management by Ricky W Griffin 3. Work and Organisational Behaviour by John Bratton, MilitzaCallinan, Carolyn Forshaw and Peter Sawchuk 4. Accounting in Business by R.J.Bull