

Devi Ahilya University, Indore, India Institute of Engineering & Technology				III Year B.E. (Civil Engineering) (Full Time)			
Subject Code & Name	Instructions Hours per Week			Credits			
5SVRS5: Management for Engineers	L	T	P	L	T	P	Total
	2	-	-	2	-	-	2
Duration of Theory Paper: 2 Hours							

Course Objective:

The course is designed to

1. Understand concept & importance of Management.
2. Develop managerial abilities, skills, and capabilities to manage an organisation.
3. Acquire the knowledge of business environment.
4. Understanding the key management skills required in organisations and how these might be applied.
5. Understand Team members while working with people from different background.

COURSE CONTENTS

UNIT I – INTRODUCTION TO MANAGEMENT

Basic concepts of management: Definition, Essence, Principles, Roles, Level; Functions of management: Planning, Organizing, Staffing, Directing, Coordinating and controlling; Organizational efficiency & effectiveness; Roles of manager, Skills required in a manager.

UNIT II – MANAGEMENT AND SOCIETY

Organization: Types and Structure; Business environments: Political, Economic, Legal, Social, Technological and International environment; Designing effective organization: Span of management, Delegation, Centralization and Decentralization; Formal and Informal organization.

UNIT III – MANAGEMENT OF HUMAN AT WORK

Human Resource Development: Interrelationship of managerial function; significance of staffing, Personnel management: Recruitment, Training, Performance appraisal, Employee retention; Managerial communication; Motivating individuals and work groups, Leadership for managerial effectiveness.

UNIT IV – MANAGEMENT ETHICS FOR ENGINEERS

Business ethics, Social responsibility of Business: Economical, Legal, Ethical and Philanthropic; Ethical responsibilities of Engineers toward society; Business and environment protection; Impact of engineering on society.

UNIT V – MODERN MANAGEMENT CONCEPTS

MBO: Principles, steps, advantages and disadvantages; Strategic management-SWOT analysis; Team Building: Definition of Team, Team Formation, Approaches, Goal Setting and Communication among Team Members. Models of relationship between professional and client.

Case Study

BOOKS RECOMMENDED:

- [1]. R.D Agrawal, Organization & Management.1/E PHI 1997.
- [2]. Tripathy PC And Reddy PN, Principles of Management, Tata McGraw-Hill, 5th Edition, 2012.
- [3]. Dinkar Pagare, Principles of Management, Sultan Chand & Sons, 2000.
- [4].G.K.Vijayaraghavan and M.Sivakumar, Principles of Management, Lakshmi Publications, 5th Edition, 2009.
- [5]. Harold Koontz & Heinz Weihrich, Essentials of Management – An International perspective,8th edition. Tata McGraw-Hill, 2009.
- [6]. Charles W.L. Hill and Steven L McShane, Principles of Management, Tata Mc GrawHill,2009.
- [7]. Fleddermann, C.B., “Engineering Ethics,” Pearson Prentice Hall, Upper Saddle River, NJ, 2004.
- [8]. Stephen P. Robbins, Timothy A Judge, Sanghi Seema Organizational Behavior, Pearson Education 13th Ed 2009.

Course Outcome:

Students earned credits will develop ability to

CO.No.	CO	PO
CO1	Learn about concepts and functions of Management. Identify the key management processes and the relevance of management in business organisations.	PO-6, PO-8, PO-9, PO-10, PO-11
CO2	Learners will explore about types and structure of business environment and incorporate the Managerial Skills.	PO-2, PO-4, PO-6, PO-9, PO-11,
CO3	Learners will understand the various dimensions of leading and motivating in business organisation. To develop the capacity to lead in a variety of circumstances.	PO-6, PO-9, PO-10, PO-11
CO4	Practice business ethics and social responsibility as Engineers.	PO-3, PO-8, PO-12
CO5	Develop Managing behaviour of human at organizations with modern management concepts and built teams for achieving organisational goals	PO-9, PO-10, PO-11

CO-PO Relationship

CO	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
CO1						2		3	3	3	3	
CO2		2		3		2			3		3	
CO3						2			3	3	2	
CO4						3		3				3
CO5									3	3	3	