

**JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTRE, JAIPUR**

**DEPARTMENT OF MECHANICAL ENGINEERING**

**Name of Subject :- PRINCIPLES OF MANAGEMENT**

**Subject Code :- 5ME4-05**

**Year :- 3<sup>rd</sup> Year 5<sup>th</sup> Semester**

**Name of Faculty :- 1) Mr. Yogesh Dubey , Assistant Professor**

**2) Mr.Shrikant Bansal, Assistant Professor**

# 5ME4-05: Principles of Management



## RAJASTHAN TECHNICAL UNIVERSITY, KOTA Syllabus

3<sup>rd</sup> Year - V Semester: B.Tech. : Mechanical Engineering

### 5ME4-05: PRINCIPLES OF MANAGEMENT

**Credit: 2**  
**2L+0T+0P**

**Max. Marks: 100(IA:20, ETE:80)**  
**End Term Exam: 2 Hours**

SN		Hours
1	Introduction: Objective, scope and outcome of the course.	1
2	Basic concepts of management: Definition – Need and Scope – Different schools of management thought – Behavioural, Scientific, Systems, and Contingency	2
	Contribution of Management Thinkers: Kautilya, Taylor, Fayol, Peter Drucker and C.K. Prahlad.	4
3	Functions of Management: Planning: Essentials of Planning and Managing by	2
	Organizing The Nature of organizing, Entrepreneurship, and Reengineering; Organizational Structure, Departmentation; Line/staff authority, empowerment, and decentralization; Effective organizing and organization culture;	3
4	Staffing Human resource Management and Selection; Performance Appraisal and Career Strategy; managing change through Manager and Organization Development.	2
5	Leading Human Factors and Motivation; Leadership: Committees, Terms, and Group Decision making; Communication.	3
	Controlling The system and process of controlling; Control Techniques and Information Technology; Productivity, Operations Management and Total Quality Management.	2
6	Management practices of: Dhirubhai Ambani, Narayan Murthy, Premji, Ratan Tata, Steve Jobs, Bill Gates.	4

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	Studying organizational structures of any 10 companies and classifying them into different types of organizations which are studied above and justifying why such structures are chosen by those organizations.	<b>2</b>
	Preparing the leadership profiles of any 5 business leaders and studying their leadership qualities.	<b>3</b>
	<b>TOTAL</b>	<b>28</b>

### COURSE OUTCOME

After studying this subject, student will be able

- CO-1** To describe basic concepts of management and contribution of management thinkers.
- CO-2** To identify problem associated with functions of management and organizing.
- CO-3** To interpret the basic concept of staffing, leading and controlling.
- CO-4** To Compare the management practices of business icons, case study of companies and leadership profiles of businessmen.

5ME4-05	Principles Of Management																		
		CO-1	CO-2	CO-3	CO-4	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
		1							3			3			3	3		1	
		1	3			3	3	3	3	3		3	3	3	3	3	3	1	
		3				3	3	3	3	3	3	3	3	3	3	3	3	1	
									3			3	3		3	3			

## Principles of Management (5ME4-05)

Yogesh Dubey, Shrikant Bansal

### Vision and Mission of Institute:

Vision: To become a renowned center of outcome based learning, and work towards academic, professional, cultural and social enrichment of the lives of individuals and communities.

Mission:

M1: Focus on evaluation of learning outcomes and motivate students to inculcate research aptitude by project based learning.

M2: Identify, based on informed perception of Indian, regional and global needs, areas of focus and provide platform to gain knowledge and solutions.

M3: Offer opportunities for interaction between academia and industry.

M4: Develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.

### Vision and Mission of Department:

Vision: The Mechanical Engineering Department strives to be recognized globally for excellent technical knowledge and to produce quality human resource, who can manage the advance technologies and contribute to society through entrepreneurship and leadership.

Mission:

M1: To impart highest quality technical knowledge to the learners to make them globally competitive mechanical engineers.

M2: To provide the learners ethical guidelines along with excellent academic environment for a long productive career.

M3: To promote industry-institute linkage.

Unit	Lecture No.	Topic to be discussed	Objective of Unit	Outcome of Lecture (After completion of this lecture students will be able to)	Book referred	From page to
1	1	Introduction: Objective, scope and outcome of the course.	To describe basic concepts of management and contribution of management thinkers	Understanding the scope of course	1	7
	2	Basic concepts of management:		Understanding the concept of management	1	9
		Definition – Need and Scope – Different schools of management thought				
3	Behavioural, Scientific,	Understanding the contingency	1	10		

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		Systems, and Contingency,				
	4	Contribution of Management Thinkers: Kautilya		Understanding the life of kautilya	2	Google Article
	5	Taylor, Fayol		Understanding taylor and fayol philospfy	3	Google Article
	6	Peter Drucker and C.K. Prahlad			4	
				Understanding CK Prahlad	5	Google Article
					6	
2	7	Functions of Management: Planning: Essentials of Planning and Managing by Objectives	To identify problem associated with functions of management and organizing.	Understanding the functions of management	1	43
	8	Strategies, Policies and Planning Premises; Decision making.		Understanding the decision making	1	45
	9	Organizing The Nature of organizing, Entrepreneuring, and Reengineering;		Understanding the organizing	1	61
		Organizational Structure, Departmentation				
	10	Line/staff authority, empowerment, and decentralization		Understanding the decentralization	1	67
11	Effective organizing and organization culture	Understanding the organization culture	1	78		
	12	<b>Quality and Team</b>		<b>Understanding the team</b>	<b>NPTEL</b>	

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		<b>Organization [Beyond Curricula]</b>		<b>organization</b>		
3	13	Staffing Human resource Management and Selection; Performance Appraisal	To describe the basic concept of staffing, leading and controlling.	Understanding the staffing	1	91
		and Career Strategy				
14	managing change through Manager and	Understanding the organization development		1	97	
	Organization Development.					
15	Leading Human Factors and Motivation	Understanding the leading human factors		1	100	
	Leadership: Committees, Terms	Understanding the committees		1	103	
17	and Group Decision making; Communication.	Understanding the group decision		1	110	
	Controlling The system and process of controlling; Control Techniques and	Understanding the control techniques		1	147	
18	Information Technology					
	Productivity, Operations Management and Total Quality Management.	Understanding the operations management		1	157	
19						
	20	<b>Staffing through design: Robust design [Beyond Curricula]</b>		<b>Understanding the staffing through design</b>	<b>NPTEL</b>	

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5	21	Management practices of: Dhirubhai Ambani	To able to understand the management practices of business icons, case study of companies and leadership profiles of businessmen.	Understanding practices of dhirubhai ambani	7	Google Article
	22	Narayan Murthy, Premji,		Understanding practices of dhirubhai ambani	9	Google Article
					8	
	23	Ratan Tata,		Understanding practices of dhirubhai ambani	10	Google Article
	24	Steve Jobs, Bill Gates.		Understanding practices of dhirubhai ambani	11	Google Article
					12	
	25	Studying organizational structures of any 10 companies and classifying them into different types of organizations which are studied above		Understanding the organizational structure		Google Article
	26	and justifying why such structures are chosen by those organizations.		Understanding the justification of organization		Google Article
27	Preparing the leadership profiles of any 5 business leaders	Understanding the profile of business leaders		Google Article		
28	studying their leadership qualities.	Understanding the leadership qualities.		Google Article		

- 1 Management Principles And Practice, Prof, NSR Murthy, Excel Books Private Limited, 2007
- 2 1. Chanakya, by Joshua J. Mark, published on 22 June 2020
- 3 2. Frederick W. Taylor, American inventor and engineer, John F. Mee
- 4 3. Henri Fayol's Principles of Management, <https://www.mindtools.com/pages/article/henri-fayol.htm> Why Read Peter Drucker?, by Alan Kantrow, November 2009

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- 5 Who AM I, by DISHAN SHAH, C K PRAHLAD (THE MANAGEMENT GURU), <https://sites.google.com/site/whoamibydishanshah/catalysts/c-k-prahlad>
- 6 Dhirubhai Ambani, Indian businessman, The Editors of Encyclopaedia Britannica, <https://www.britannica.com/biography/Dhirubhai-Ambani>
- 7 N.R. Narayana Murthy, <https://www.infosys.com/about/management-profiles/narayana-murthy.html>
- 8 Wipro's Founder Chairman Azim Premji turns 75: Here's 5 things that set him apart, Kirti Pandey, Updated Jul 24, 2020 | 17:11 IST
- 9 RATAN TATA, Times of india, LAST UPDATED : SEP 06, 2020, 09:37 AM IST
- 10 Steve Jobs Biography, (1955–2011), UPDATED: JUN 10, 2020, ORIGINAL:, APR 27, 2017
- 11 About Bill, <https://www.gatesnotes.com/Bio>