



**National Institute of Technology Meghalaya**  
An Institute of National Importance

**CURRICULUM**

Programme	<b>Bachelor of Technology in Mechanical Engineering</b>	Year of Regulation	<b>2018</b>
Department	<b>Mechanical Engineering</b>	Semester	<b>VI</b>

Course Code	Course Name	Credit Structure				Marks Distribution				
		L	T	P	C	INT	MID	END	Total	
<b>ME 322</b>	<b>Principles of management</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>50</b>	<b>50</b>	<b>100</b>	<b>200</b>	
Course Objectives	To introduce the basics of management	Course Outcomes	CO1	Explain the concept of Management. (Understanding)						
	To Explain the planning function and Interpret the alternatives of decision making		CO2	Interpret the Planning function and decision making alternatives. (Understanding)						
	To develop an ability to use the different models in career development		CO3	Make use of the different aspects in organizing for career development.(Application)						
	To develop an ability to analyse the leadership and motivational processes in organization		CO4	Analyse the different theories of motivation, leadership and communications in organization(Analysis)						
	To Justify the process control techniques and evaluate the different techniques in quality control and maintenance management.		CO5	Evaluate the different techniques in increasing productivity and different control techniques(Evaluation)						

No.	COs	Mapping with Program Outcomes (POs)												Mapping with PSOs		
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
1	CO1	0	0	0	0	0	1	3	2	3	3	3	3	3	3	0
2	CO2	0	0	0	0	0	2	2	2	3	3	3	3	3	3	0
3	CO3	0	0	0	0	0	3	3	3	3	3	3	3	3	3	0
4	CO4	0	0	0	0	0	2	3	3	3	3	3	3	3	3	0
5	CO5	0	0	0	0	0	3	3	3	3	2	3	3	3	3	0

**SYLLABUS**

No.	Content	Hours	COs
I	<b>Overview Of Management</b> Definition - Management - Role of managers - Evolution of Management thought - Organization and the environmental factors – Trends and Challenges of Management in Global Scenario.	<b>02</b>	<b>CO1</b>
II	<b>Planning</b> Nature and purpose of planning - Planning process - Types of plans – Objectives - Managing by objective (MBO) Strategies - Types of strategies - Policies – Decision Making - Types of decision - Decision Making Process - Rational Decision Making	<b>04</b>	<b>CO1 CO2</b>
III	<b>Organizing</b> Nature and purpose of organizing - Organization structure - Formal and informal groups/organization - Line and Staff authority - Departmentation - Span of control - Centralization and Decentralization - Delegation of authority - Staffing – Selection and Recruitment - Orientation - Career Development - Career stages – Training -Performance Appraisal.	<b>03</b>	<b>CO1 CO3</b>
IV	<b>Directing</b> Creativity and Innovation - Motivation and Satisfaction - Motivation Theories - Leadership Styles - Leadership theories - Communication - Barriers to effective communication - Organization Culture - Elements and types of culture – Managing cultural diversity.	<b>07</b>	<b>CO1 CO4</b>
V	<b>Controlling</b> Process of controlling - Types of control - Budgetary and non-budgetary control Q techniques - Managing Productivity - Cost Control - Purchase Control – Maintenance Control - Quality Control - Planning operations.	<b>12</b>	<b>CO1 CO5</b>
Total Hours		<b>36</b>	

**Essential Readings**

1. Stephen P. Robbins and Mary Coulter, 'Management', Prentice Hall of India, 8th edition.
2. Charles W L Hill, Steven L McShane, 'Principles of Management', Mcgraw Hill Education, Special Indian Edition, 2007.

**Supplementary Readings**

1. Hellriegel, Slocum & Jackson, 'Management - A Competency Based Approach', Thomson South Western, 10th edition, 2007.
2. Harold Koontz, Heinz Wehrich and Mark V Cannice, 'Management - A global