

## GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN (WINTER-2024-25)

Discipline : ELECTRICAL ENGG.		Semester: 5th Sem		Name of the Teaching Faculty : <b>RAJIB LOCHAN DASH</b>			
Subject : EM&ST TH1		No. of Days / per week class allotted : 04		Semester From date : <b>2024-25</b>			
M ONTH	Week	Day	Unit	Topics			
SEPTEMBER	3rd		UNIT-1	Entrepreneurship			
		4th		Concept /Meaning of Entrepreneurship			
	4th	1st		Need of Entrepreneurship			
		2nd		Characteristics, Qualities and Types of entrepreneur, Functions			
		3rd		Barriers in entrepreneurship			
		4th		Entrepreneurs vrs. Manager			
	5th	1st		Forms of Business Ownership: Sole proprietorship, partnership forms and others			
		2nd		Types of Industries, Concept of Start-ups			
		3rd		Entrepreneurial support agencies at National, State, District Level( Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc			
		4th		Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks			
	OCTOBER	2nd				Durga Puja holiday	
		3rd			UNIT-2	Market Survey and Opportunity Identification	
1st			Business Planning				
2nd			SSI, Ancillary Units, Tiny Units, Service sector Units				
3rd			Time schedule Plan, Agencies to be contacted for Project Implementation				
4th		4th	Class Test-1				
		1st	Assessment of Demand and supply and Potential areas of Growth				
		2nd	Identifying Business Opportunity				
		3rd	Final Product selection				
5th		4th	Preliminary project report				
		1st	PPR				
		2nd	Diwali (holiday)				
	3rd	Detailed project report, Techno economic Feasibility					
5th	3rd	Project Viability					
		Definitions of management.					
		Principles of management	Management Principles				
	4th	Functions of management (planning, organising, staffing, directing and controlling etc.)					
1st	2nd	UNIT-4					
	3rd						

NOVEMBER

	4th		Level of Management in an Organisation
2nd		UNIT-5	Introduction Functional Areas of Management
	1st		Rash purnima(holiday)
	2nd		Production management Functions, Activities, Productivity, Quality control, Production Planning and control
	3rd		Inventory Management Need for Inventory management- Models/Techniques of Inventory management
	4th		Financial Management Functions of Financial management- Management of Working capital, Costing (only concept),
3rd	1st	UNIT-5	Break even Analysis Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts)
	2nd		Marketing Management Concept of Marketing and Marketing Management- Marketing Techniques (only concepts),
	3rd		Concept of 4P s (Price, Place, Product, Promotion)
	4th		Human Resource Management Functions of Personnel Management- Manpower Planning, Recruitment, Sources of manpower, Selection process, Method- of Testing, Methods of Training & Development, Payment of Wages
4th		UNIT-6	Leadership and Motivation
	1st		Leadership Definition and Need/Importance,
	2nd		Qualities and functions of a leader, Manager Vs Leader
	3rd		Style of Leadership (Autocratic, Democratic, Participative)·
5th	4th	UNIT-6	Motivation Definition and characteristics, Importance of motivation
	1st		Factors affecting motivation, Theories of motivation (Maslow)
	2nd		Methods of Improving Motivation· Importance of Communication in Business· Types and Barriers of Communication·
1st		UNIT-7	Work Culture, TQM & Safety
	3rd		Human relationship
	4th		Performance in Organization
	1st		Relations with Peers, Superiors and Subordinates
2nd	2nd	UNIT-7	TQM concepts: Quality Policy, Quality Management, Quality system
	3rd		Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)
			Intellectual Property Rights(IPR)
3rd	4th	UNIT-8	Patents, Trademarks, Copyrights
	1st		Features of Factories Act 1948 with Amendment (only salient points)
	2nd		Features of Payment of Wages Act 1936 (only salient points)
	3rd		Class Test-2
	4th	UNIT-8	
	1st		
	2nd		Revision

DECEMBER

	4rd	3rd				
				Smart Technology		
		4th		Concept of IOT, How IOT works		
JANUARY	2nd	1st	UNIT-9	Components of IOT, Characteristics of IOT		
		2nd		Categories of IOT		
		3rd		Applications of IOT- Smart Cities		
		4th		Smart Transportation		
	3rd	1st		Smart Healthcare		
		2nd		Smart Home, , Smart Industry		
		3rd		Smart Agriculture		
		4th		Smart Energy Management etc.		
	4th	1st				Questions Discussion
		2nd				
		3rd				
		4th				