

GOVT. POLYTECHNIC MAYURBHANJ LESSON PLAN (WINTER-2022-23)

Discipline : ELECTRICAL ENGG.		Semester: 5th Sem		Name of the Teaching Faculty :Debasis Patra	
Subject : EM&ST TH1		No. of Days / per week class allotted : 04		Semester From date : 15.09.2022	To Date : 21.01.2023
MONTH	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		Class Test-1	
	4th	1st	UNIT-3	Assessment of Demand and supply and Potential areas of Growth	
		2nd		Identifying Business Opportunity	
		3rd		Final Product selection	
				Preliminary project report	
	5th	4th		PPR	
		1st		Diwali (holiday)	
		2nd		Detailed project report, Techno economic Feasibility	
		3rd		Project Viability	
	1st		UNIT-4	Management Principles	
		4th		Definitions of management.	
		2nd		Principles of management	
		3rd		Functions of management (planning, organising, staffing, directing and controlling etc.)	

NOVEMBER

	4th		Level of Management in an Organisation
2nd		UNIT-5	Functional Areas of Management
	1st		Introduction
	2nd		Rash purnima(holiday)
	3rd		Production management Functions, Activities, Productivity, Quality control, Production Planning and control
	4th		Inventory Management Need for Inventory management- Models/Techniques of Inventory management
	1st		Financial Management Functions of Financial management- Management of Working capital, Costing (only concept), Break even Analysis
	2nd		Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts)
	3rd		Marketing Management Concept of Marketing and Marketing Management- Marketing Techniques (only concepts), 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
		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)·
	4th		Motivation Definition and characteristics, Importance of motivation
5th	1st		Factors affecting motivation, Theories of motivation (Maslow)
	2nd		Methods of Improving Motivation· Importance of Communication in Business· Types and Barriers of Communication·
		UNIT-7	Work Culture, TQM & Safety
	3rd		Human relationship
1st	4th		Performance in Organization
	1st		Relations with Peers, Superiors and Subordinates
	2nd		TQM concepts: Quality Policy, Quality Management, Quality system
	3rd		Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)
		UNIT-8	Intellectual Property Rights(IPR)
	4th		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		
2nd	1st		
	2nd		Revision

DECEMBER

JANUARY	4rd	3rd		
				Smart Technology
	2nd	4th	UNIT-9	Concept of IOT, How IOT works
		1st		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		