

GOVT. POLYTECHNIC MAYURBHANJ				
ACADEMIC SESSION-2023-24		LESSON PLAN		
Discipline : Mechanical Engg.	Semester: 5th Sem	Name of the Teaching Faculty : Mihir mohanta		
SUBJECT- Entrepreneurship and management & smart tecnology	No. of Days / per week class allotted : 04	Semester From date : 01.08.2023 To Date : 30.11.2023		
MONTH	Week	Day	Topics	
AUGUST	1ST	2ND	1. Entrepreneurship , Concept /Meaning of Entrepreneurship ,Need of Entrepreneurship	
		4TH	Characteristics, Qualities and Types of entrepreneur, Functions	
		1ST	Barriers in entrepreneurship ,Entrepreneurs vrs. Manager	
	2ND	1ST	Forms of Business Ownership: Sole proprietorship, partnership forms and others	
		2ND	Types of Industries, Concept of Start-ups	
		4TH	Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.	
	3RD	1ST	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	
		1ST	Revision	
		4TH	2. Market Survey and Opportunity Identification (Business Planning) ,Business Planning ,SSI, Ancillary Units, Tiny Units, Service sector Units	
	4TH	1ST	Time schedule Plan, Agencies to be contacted for Project Implementation	
		1ST	Assessment of Demand and supply and Potential areas of Growth	
		2ND	Identifying Business Opportunity ,Final Product selection	
		4TH	Revision	
	5TH	1ST	3. Project report Preparation. Preliminary project report	
		1ST	Detailed project report, Techno economic Feasibility ,Project Viability	
		2ND	Revision	
4TH		4. Management Principles , Definitions of management, Functions of management (planning, organising, staffing, directing and controlling etc.)		
SEPTEMBER	1ST	1ST	Level of Management in an Organisation	
		1ST	Revision	
		2ND	5. Functional Areas of Managementa. Production management ,Functions, Activities ,Productivity	
		4TH	Quality control ,Production Planning and control	
	2ND	1ST	Inventory Management ,Need for Inventory management ,	
		1ST	Models/Techniques of Inventory management	
		2ND	Financial Management ,Functions of Financial management,Management of Working capital Costing (only concept)	
			4TH	Break even Analysis
	3rd	1ST	Brief idea about Accounting Terminologies: Book Keeping, Journal entry.	
		1ST	Petty Cash book, P&L Account, Balance Sheets(only Concepts)	
4TH		Marketing Management.Concept of Marketing and Marketing Management		
		1ST	Marketing Techniques (only concepts) ,Concept of 4P s (Price, Place, Product, Promotion)	

	4TH	1ST	Revision
		2ND	Human Resource Management • Functions of Personnel Management, Manpower Planning, Recruitment, Sources of manpower
		4TH	Selection process, Method of Testing, Methods of Training & Development
OCTOBER	1ST	2ND	Payment of Wages
		4TH	Revision
	2ND	1ST	6. Leadership and Motivation ,Leadership , Definition and Need/Importance ,Qualities and functions of a leader , Manager Vs Leader
		1ST	Style of Leadership (Autocratic, Democratic, Participative)
		2ND	Motivation , Definition and characteristics , Importance of motivation , Factors affecting motivation
		4TH	Internal
	3rd	1ST	Theories of motivation (Maslow) , Methods of Improving Motivation
		1ST	Theories of motivation (Maslow) , Methods of Improving Motivation
		2ND	Importance of Communication in Business , Types and Barriers of Communication
		4TH	Revision
	5th	1ST	7. Work Culture, TQM & Safety : Human relationship and Performance in Organization ,Relations with Peers, Superiors and Subordinates
		1ST	TQM concepts: Quality Policy, Quality Management, Quality system
2ND		Accidents and Safety, Cause, preventive measures, General Safety Rules ,	
NOVEMBER	1ST	4TH	Personal Protection Equipment(PPE)
	2ND	1ST	Revision
		1ST	8. Legislation : Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights.Features of Factories Act 1948 with Amendment (only salient points)
		2ND	Features of Factories Act 1948 with Amendment (only salient points)
		4TH	Features of Payment of Wages Act 1936 (only salient points)
	3RD	1ST	Revision
		1ST	9. Smart Technology. Concept of IOT, How IOT works ,Components of IOT
		2ND	Characteristics of IOT, Categories of IOT
		4TH	Applications of IOT- Smart Cities, Smart Transportation, Smart Home.
	4TH	1ST	Applications of IOT- Smart Healthcare, Smart Industry.
		1ST	Applications of IOT- Smart Agriculture, Smart Energy Management.
		2ND	Revision
		4TH	Revision
	5TH	2ND	Classtest-2
		4TH	Previous Year Question Discussion

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