

GOVT. POLYTECHNIC MAYURBHANJ

ACADEMIC SESSION-2021-22

LESSON PLAN

Discipline : Mechanical Engg.		Semester: 5th Sem	Name of the Teaching Faculty : Mihir mohanta	
SUBJECT- Entrepreneurship and management & smart technology		No. of Days / per week class allotted : 04	Semester From date : 01.10.2021 To Date : 08.01.2022	
MONTH	Week	Day	Topics	
OCTOBER	2ND	1ST	1. Entrepreneurship : Concept /Meaning of Entrepreneurship	
		2ND	Need of Entrepreneurship, Characteristics, Qualities and Types of entrepreneur, Functions	
		4TH	Barriers in entrepreneurship ,Entrepreneurs vrs. Manager	
	4TH	2ND	Forms of Business Ownership: Sole proprietorship, partnership forms and others	
		3RD	Types of Industries	
		4TH	Concept of Start-ups	
	5TH	1ST	Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.	
		2ND	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	
		3RD	Revision	
		4TH	2. Market Survey and Opportunity Identification (Business Planning) Business Planning,SSI, Ancillary Units, Tiny	
	NOVEMBER	1ST	1ST	Service sector Units ,Time schedule Plan, Agencies to be contacted for Project Implementation
			2ND	Assessment of Demand and supply and Potential areas of Growth,
3RD			Identifying Business Opportunity	
2ND		1ST	Final Product selection	
		2ND	Revision	
		3RD	3. Project report Preparation. Preliminary project report, Detailed project report, Techno economic Feasibility ,Project Viability	
		4TH	4. Management Principles Definitions of management, Functions of management (planning, organising, staffing, directing and controlling etc.)	
3RD		1ST	Level of Management in an Organisation	
		2ND	Revision	
		3RD	5. Functional Areas of Managementa. Production management ,Functions, Activities ,Productivity	
		4TH	Quality control ,Production Planning and control	
4TH		1ST	Inventory Management ,Need for Inventory management , Models/Techniques of Inventory management	
		2ND	Financial Management ,Functions of Financial management, Management of Working capital Costing (only concept)	
		3RD	Break even Analysis	
		4TH	Brief idea about Accounting Terminologies: Book Keeping, Journal entry.	
5TH		1ST	Petty Cash book, P&L Account, Balance Sheets(only Concepts)	
		2ND	Marketing Management.Concept of Marketing and Marketing Management	
1ST		3RD	internal	
		4TH	Marketing Techniques (only concepts) ,Concept of 4P s (Price, Place, Product, Promotion)	
		1ST	Human Resource Management • Functions of Personnel Management ,Manpower Planning, Recruitment, Sources of manpower	
	2ND	Selection process, Method of Testing, Methods of Training & Development, Payment of Wages		

DECEMBER	2ND	3RD	6. Leadership and Motivation: Leadership , Definition and Need/Importance ,Qualities and functions of a leader , Manager Vs Leader
		4TH	Style of Leadership (Autocratic, Democratic, Participative) ,Motivation , Definition and characteristics , Importance of motivation , Factors affecting motivation
	3rd	1ST	Theories of motivation (Maslow) , Methods of Improving Motivation , Importance of Communication in Business , Types and Barriers of Communication
		2ND	7. Work Culture, TQM & Safety: Human relationship and Performance in Organization , Relations with Peers, Superiors and Subordinates
		3RD	TQM concepts: Quality Policy, Quality Management, Quality system
		4TH	Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)
	4TH	1ST	8. Legislation: a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights
		2ND	Features of Factories Act 1948 with Amendment (only salient points)
		3RD	Features of Payment of Wages Act 1936 (only salient points)
		4TH	9. Smart Technology: Concept of IOT, How IOT worksComponents of IOT, Characteristics of IOT, Categories of IOT
JANUARY	2ND	1ST	Applications of IOT- Smart Cities, Smart Transportation, Smart Home
		2ND	Smart Healthcare, Smart Industry
		3RD	Smart Agriculture, Smart Energy Managementmet
		4TH	Class test-2

HOD, Mechanical
Govt. Polytechnic Mayurbhanj

Subject Expert
Govt. Polytechnic Mayurbhanj

Academic Co-Ordinator
Govt. Polytechnic Mayurbhanj