

# GOVERNMENT POLYTECHNIC JAJPUR

A/ P: Ragadi, Block: Korei, Dist.: Jajpur, Odisha- 755019

Website: <https://www.gpjajpur.org> E-mail: [principalgpjajpur@yahoo.co.in](mailto:principalgpjajpur@yahoo.co.in) Contact: 9437155107

## LESSON PLAN

Discipline:	Semester: 5th	Name of the Teaching Faculty: VYJAINTO KUMAR RAY
Mechanical		
Subject: EMST	No. Of Days/Week Class Allotted 4	Semester From Date: 01/07/2024 To Date: 8/11/24 No. of Weeks: 15
Week	Class Day	Theory/Practical Topics
1st	1st	Concept /Meaning of Entrepreneurship and Need of Entrepreneurship
	2nd	Characteristics, Qualities and Types of entrepreneurs
	3rd	Functions and Barriers in entrepreneurship
	4th	Entrepreneurs' vs Manager Forms of Business Ownership: Sole proprietorship, Partnership forms
2nd	1st	Cooperative society, joint Hindu family business
	2nd	joint stock company types of Industries, Concept of Start-ups
	3rd	Entrepreneurial support agencies at National, State, District Level (Sources): DIC, NSIC, OSIC, SIDBI
	4th	NABARD, Commercial Banks, KVIC
3rd	1st	<b>Questions answer discussion</b>
	2nd	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks
	3rd	Business Planning, SSI, Ancillary Units, Tiny Units
	4th	Time schedule Plan, Agencies to be contacted for Project Implementation
4th	1st	Assessment of Demand and supply, Potential areas of Growth
	2nd	Identifying Business Opportunity
	3rd	Final Product selection
	4th	<b>Quiz test</b>
5th	1st	Preliminary project report
	2nd	Detailed project report
	3rd	Techno economic Feasibility
	4th	Project Viability
6th	1st	Definitions of management and Principles of management
	2nd	Functions of management: planning, organizing
	3rd	Staffing, directing and controlling

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	4th	Level of Management in an Organization
7th	1st	<b>Questions answer discussion</b>
	2nd	Production management: Functions, Activities and Productivity
	3rd	Quality control, Production Planning and control
	4th	Inventory Management: Need for Inventory management
8th	1st	Models/Techniques of Inventory management
	2nd	Financial Management: Functions of Financial management, management of Working capital
	3rd	Costing (only concept), Break even Analysis,
	4th	Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book
9th	1st	P&L Accounts, Balance Sheets (only Concepts)
	2nd	Marketing Management: Concept of Marketing and Marketing Management
	3rd	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
10th	1st	Selection process, Method of Testing, Methods of Training & Development, Payment of Wages
	2nd	<b>Question answer discussion</b>
	3rd	<b>Quiz test</b>
	4th	Leadership: Definition and Need/Importance qualities of a leader
11th	1st	Leadership: qualities of a leader
	2nd	Functions of a leader and Manager Vs Leader
	3rd	Style of Leadership (Autocratic, Democratic, Participative)
	4th	Motivation: Definition and characteristics and Importance of motivation
12th	1st	Factors affecting motivation and Theories of motivation (Maslow)
	2nd	Methods of Improving Motivation, Importance of Communication in Business, Types and Barriers of Communication
	3rd	Work Culture, TQM & Safety: Human relationship and Performance in Organization
	4th	Relations with Peers, Superiors and Subordinates
13th	1st	TQM concepts: Quality Policy, Quality Management
	2nd	Quality system, Accidents and Safety, Causes of accident

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	3rd	Preventive measures, General Safety Rules, Personal Protection Equipment (PPE)
	4th	Legislation: Intellectual Property Rights (IPR), Patents, Trademarks and copyrights
14th	1st	Features of Factories Act 1948 with Amendment (only salient points)
	2nd	Features of Payment of Wages Act 1936 (only salient points)
	3rd	Smart Technology: Concept of IOT, How IOT works
	4th	Components of IOT, Characteristics of IOT, Categories of IOT
15th	1st	Applications of IOT: Smart Cities, Smart Transportation, Smart Home, Smart Healthcare
	2nd	Smart Energy Management etc.
	3rd	<b>Quiz test</b>
	4th	<b>Possible questions discussion</b>

*Claymonts*  
30/8/2024  
C.V.K. Ray