

GOVT. POLYTECHNIC BOLANGIR

LESSON PLAN

Discipline : Civil Engineering	Semester: 5th	Name of the Teaching Faculty : Suprava Bag
Subject : Entrepreneurship and Management & Smart Technology	No. of Days / per week class allotted : 4	Semester From date : 1.09.2020 To Date : 31.12.2020 No. of Weeks : 15
Week	Class Day	Topics
1ST SEPT	1st	Entrepreneurship ② Concept /Meaning of Entrepreneurship ③ Need of Entrepreneurship
	2nd	④ Characteristics, Qualities and Types of entrepreneur, Functions.
	3rd	Barriers in entrepreneurship Entrepreneurs vrs. Manager
	4th	⑤ Forms of Business Ownership: Sole proprietorship, partnership forms and others
2ND SEPT	1st	Types of Industries, Concept of Start-ups
	2nd	Market Survey and Opportunity Identification (Business Planning) Business Planning
	3rd	SSI, Ancillary Units, Tiny Units, Service sector Units
	4th	Time schedule Plan, Agencies to be contacted for Project Implementation
3RD SEPT	1st	Assessment of Demand and supply and Potential areas of Growth
	2nd	Identifying Business Opportunity
	3rd	Final Product selection
	4th	Project report Preparation
4TH SEPT	1st	Detailed project report, Techno economic Feasibility Project Viability
	2nd	Principles of management
	3rd	Functions of management -planning, organising, staffing, directing and controlling
	4th	
1ST OCT	1st	Level of Management in an Organisation
	2nd	Functional Areas of Management, Quality
	3rd	Inventory Management
	4th	Models/Techniques of Inventory management
2ND OCT	1st	Financial Management
	2nd	Break even Analysis Brief idea about Accounting Terminologies: Book Keeping, Journal entry,
	3rd	Petty Cash book, P&L Accounts.
	4th	Balance Sheets(only Concepts)
3RD OCT	1st	Marketing Management Concept of Marketing and Marketing Management
	2nd	Marketing Techniques (only concepts)
	3rd	Concept of 4P's (Price, Place, Product, Promotion)
	4th	

1ST NOV	1st	• Methods of Training & Development
	2nd	Leadership and Motivation
	3rd	• Manager Vs Leader
	4th	b) Motivation
2ND NOV	1st	• Factors affecting motivation
	2nd	• Methods of Improving Motivation
	3rd	Types of Communication
	4th	Barriers of Communication
3RD NOV	1st	Work Culture, TQM & Safety
	2nd	Relations with Peers, Superiors and Subordinates
	3rd	TQM concepts: Quality Policy
	4th	Quality Management, Quality system
4TH NOV	1st	Accidents and Safety, Cause.
	2nd	preventive measures,
	3rd	General Safety Rules
	4th	Legislation
1ST DEC	1st	Patents
	2nd	Personal Protection Equipment(PPE)
	3rd	Copyrights
	4th	
2ND DEC	1st	b) Features of Factories Act 1948 with Amendment (only salient points)
	2nd	c) Features of Payment of Wages Act 1936 (only salient points)
	3rd	Smart Technology -Introduction
	4th	Smart Technology Concept of IOT
3RD DEC	1st	Characteristics of IOT, Categories of IOT
	2nd	Applications of IOT- Smart Cities
	3rd	Smart Transportation
	4th	Smart Home, Smart Healthcare,
4TH DEC	1st	Smart Industry
	2nd	Smart Agriculture,
	3rd	Smart Energy Management etc
	4th	