

**BHUBANANANDA ODISHA SCHOOL OF ENGINEERING,
CUTTACK
DEPARTMENT OF CIVIL ENGINEERING**



LESSON PLAN

**SUBJECT: ENTREPRENEURSHIP AND MANAGEMENT & SMART
TECHNOLOGY(TH 1)**

FACULTY: MR CHIRANJEEVI PATTNAIK

ACCADEMIC SESSION: 2024-25

SEMESTER: 5TH

SEC: B

**Sd/-
H O D (Mech Engg.)**

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Discipline: Mechanical Engineering	Semester: 5 TH Semester		Name of the teaching faculty: MR. Chiranjeevi Pattnaik
Subject: Entrepreneurship And Management & Smart Technology	No. of Days/ per week class allotted: 04 period per week. (TUESDAY-1 period, THURSDAY-2 period, FRIDAY-1period)		Semester From Date: 01-07-2024 To Date: 07-11-2024 No. of weeks: 18 weeks
Week	Class Day	No of period available	Theory Topics
1 ST	02/07/2024	1	1.0 Entrepreneurship Concept /Meaning of Entrepreneurship Need of Entrepreneurship
	04/07/2024	2	Characteristics, Qualities and Types of entrepreneur,
	05/07/2024	1	Functions, Barriers in entrepreneurship Entrepreneursvrs. Manager Forms of Business Ownership: Sole proprietorship, partnership forms and others
2 ND	09/07/2024	1	Types of Industries, Concept of Start-ups Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.
	11/07/2024	2	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks 2.0 Market Survey and Opportunity Identification (Business Planning) Business Planning SSI, Ancillary Units, Tiny Units, Service sector Units
	12/07/2024	1	Monthly Class Test

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LESSON PLAN

3RD	16/07/2024	1	Time schedule Plan, Agencies to be contacted for Project Implementation
	18/07/2024	2	Assessment of Demand and supply and Potential areas of Growth Identifying Business Opportunity Final Product selection
	19/07/2024	1	3.0 Project report Preparation Preliminary project report Detailed project report
4TH	23/07/2024	1	Techno economic Feasibility Project Viability
	25/07/2024	2	4.0 Management Principles Definitions of management Principles of management
	28/07/2024	1	Functions of management (planning, organising, staffing, directing and controlling etc.) Level of Management in an Organisation
5TH	30/07/2024	1	5.0 Functional Areas of Management a) Production management
	01/08/2024	2	Functions, Activities Productivity Quality control Production Planning and control
	02/08/2024	1	b) Inventory Management Need for Inventory management Models/Techniques of Inventory management
6TH	06/08/2024	1	c) Financial Management Functions of Financial management Management of Working capital

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			Costing (only concept) Break even Analysis
	08/08/2024	1	Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts
	09/08/2024	1	Monthly Class Test
7TH	13/08/2024	1	d) Marketing Management Concept of Marketing and Marketing Management
	16/08/2024	1	Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management Functions of Personnel Management
8TH	20/08/2024	1	Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages
	22/08/2024	2	6.0 Leadership and Motivation a) Leadership Definition and Need/Importance Qualities and functions of a leader Manager Vs Leader Style of Leadership (Autocratic, Democratic, Participative
	23/08/2024	1	b) Motivation Definition and characteristics Importance of motivation Factors affecting motivation
9TH	27/08/2024	1	Theories of motivation (Maslow) Methods of Improving Motivation

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	29/08/2024	2	Importance of Communication in Business Types and Barriers of Communication
	30/08/2024	1	7.0 Work Culture, TQM & Safety Human relationship and Performance in Organization
10TH	03/09/2024	1	Relations with Peers, Superiors and Subordinates TQM concepts: Quality Policy, Quality Management, Quality system
	05/09/2024	2	Accidents and Safety, Cause, preventive measures, General Safety Rules
	06/09/2024	1	Personal Protection Equipment(PPE)
11TH	10/09/2024	1	8.0 Legislation a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights b) Features of Factories Act 1948 with Amendment (only salient points)
	12/09/2024	2	Monthly Class Test
	13/09/2024	1	c) Features of Payment of Wages Act 1936 (only salient points) 9.0 Smart Technology Concept of IOT, How IOT works Components of IOT, Characteristics of IOT, Categories of IOT
12TH	17/09/2024	1	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
	19/09/2024	2	Revision
	20/09/2024	1	Previous Year Question Discussion
13TH	24/09/2024	1	Previous Year Question Discussion

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	26/09/2024	2	Revision chapter 1
	27/09/2024	1	Revision chapter 1
14TH	01/10/2024	1	Revision chapter 2
	03/10/2024	2	Revision chapter 2
	04/10/2024	1	Revision chapter 3
15TH	15/10/2024	1	Revision chapter 3
	17/10/2024	2	Revision chapter 4
	18/10/2024	1	Revision chapter 4
16TH	22/10/2024	1	Revision chapter 5
	24/10/2024	2	Revision chapter 6
	25/10/2024	1	Revision chapter 7
17TH	29/10/2024	1	Revision chapter 8
	01/11/2024	1	Revision chapter 9
18TH	05/11/2024	1	Previous Year Question Discussion
	07/11/2024	2	Previous Year Question Discussion