

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



LESSON PLAN

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

FACULTY: MR Chiranjevi pattnaik

ACCADEMIC SESSION: 2024-25

SEMESTER: 5TH

SEC: A

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

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Discipline: Mechanical Engineering	Semester: 5 TH Semester		Name of the teaching faculty: MR. CHIRANJEEVI PATNAIK
Subject: Entrepreneurship And Management & Smart Technology	No. of Days/ per week class allotted: 04 period per week. (Monday-1 period, Wednesday-1 period, Thursday-1 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
1ST	01/07/2024	1	1.0 Entrepreneurship Concept /Meaning of Entrepreneurship Need of Entrepreneurship
	03/07/2024	1	Characteristics, Qualities and Types of entrepreneur,
	04/07/2024	1	Functions, Barriers in entrepreneurship Entrepreneursvrs. Manager
	04/07/2024	1	Forms of Business Ownership: Sole proprietorship, partnership forms and others
2ND	08/07/2024	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.
	10/07/2024	1	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

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	11/07/2024	1	Monthly Class Test
	12/07/2024	1	Time schedule Plan, Agencies to be contacted for Project Implementation
3RD	15/07/2024	1	Assessment of Demand and supply and Potential areas of Growth Identifying Business Opportunity Final Product selection
	18/07/2024	1	3.0 Project report Preparation Preliminary project report Detailed project report
	19/07/2024	1	Techno economic Feasibility Project Viability
4TH	22/07/2024	1	4.0 Management Principles Definitions of management Principles of management
	24/07/2024	1	Functions of management (planning, organising, staffing, directing and controlling etc.) Level of Management in an Organisation
	25/07/2024	1	5.0 Functional Areas of Management a) Production management
5TH	29/07/2024	1	Functions, Activities Productivity Quality control Production Planning and control
	31/07/2024	1	b) Inventory Management Need for Inventory management Models/Techniques of Inventory management
	01/08/2024	1	c) Financial Management Functions of Financial management

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			Management of Working capital Costing (only concept) Break even Analysis
	02/08/2024	1	Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts)
6TH	05/08/2024	1	Monthly Class Test
	07/08/2024	1	d) Marketing Management Concept of Marketing and Marketing Management
	08/08/2024	1	Internal Assessment
	09/08/2024	1	Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management Functions of Personnel Management
	12/08/2024	1	Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages
7TH	14/08/2024	1	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)
	16/08/2024	1	b) Motivation Definition and characteristics Importance of motivation Factors affecting motivation

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8TH	21/08/2024	1	Theories of motivation (Maslow) Methods of Improving Motivation
	22/08/2024	1	Importance of Communication in Business Types and Barriers of Communication
	23/08/2024	1	7.0 Work Culture, TQM & Safety Human relationship and Performance in Organization
9TH	28/08/2024	1	Relations with Peers, Superiors and Subordinates TQM concepts: Quality Policy, Quality Management, Quality system
	29/08/2024	1	Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)
	30/08/2024	1	8.0 Legislation a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights b) Features of Factories Act 1948 with Amendment (only salient points)
10TH	02/09/2024	1	Monthly Class Test
	04/09/2024	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
	05/09/2024	1	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
	06/09/2024	1	Revision

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11TH	09/09/2024	1	Previous Year Question Discussion
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	12/09/2024	1	INTERNAL EXAM
	13/09/2024	1	INTERNAL EXAM
12TH	18/09/2024	1	Previous Year Question Discussion
	19/09/2024	1	Previous Year Question Discussion
	20/09/2024	1	Previous Year Question Discussion
13TH	23/09/2024	1	REVISION CHAPTER1
	25/09/2024	1	REVISION CHAPTER1
	26/09/2024	1	REVISION CHAPTER1
	27/09/2024	1	REVISION CHAPTER2
14TH	30/09/2024	1	REVISION CHAPTER2
	03/10/2024	1	REVISION CHAPTER3
	04/10/2024	1	REVISION CHAPTER3
15TH	14/10/2024	1	REVISION CHAPTER4
	17/10/2024	1	REVISION CHAPTER4
	18/10/2024	1	REVISION CHAPTER5
16TH	21/10/2024	1	REVISION CHAPTER5
	23/10/2024	1	REVISION CHAPTER6
	24/10/2024	1	REVISION CHAPTER6
	25/10/2024	1	REVISION CHAPTER7
17TH	28/10/2024	1	REVISION CHAPTER7
	30/10/2024	1	REVISION CHAPTER8
	01/11/2024	1	REVISION CHAPTER8
18TH	04/11/2024	1	REVISION CHAPTER9
	06/11/2024	1	REVISION CHAPTER9