

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



LESSON PLAN

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

ACADEMIC SESSION: 2024-25

FACULTY: SONALIRANI PADHIARI

SEMESTER: 5TH

SEC: B

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

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LESSON PLAN

Discipline: Civil Engineering	Semester: 5 th –B		Name of the teaching faculty: SONALIRANI PADHIARI
Subject: ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY	No. of Days/ per week class allotted: 04 period per week (Mon-01,Wed- 01,Thurs-01,Fri-01)	Semester From Date: 01-07-2024 To Date: 08-11-2024 No. of weeks: 18 weeks	
Week	Class Day	No of period available	Theory Topics
1ST	01/07/2024	1	1. Entrepreneurship Concept /Meaning of Entrepreneurship • Need of Entrepreneurship
	03/07/2024	1	• Characteristics, Qualities and Types of entrepreneur, Functions
	04/07/2024	1	• Functions of entrepreneurship
	05/07/2024	1	• Barriers in entrepreneurship
2ND	08/07/2024	1	• Entrepreneurs vrs. Manager
	10/07/2024	1	• Forms of Business Ownership: Sole proprietorship, partnership forms and others
	11/07/2024	1	• Types of Industries, Concept of Start-ups • Entrepreneurial support agencies at National, State, District Level(Sources): DIC
	12/07/2024	1	• NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. Technology Business Incubators (TBI) and Science and Technology Entrepreneur• Parks

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3RD	15/07/2024	1	2. Market Survey and Opportunity Identification (Business Planning) Business Planning
	18/07/2024	1	<ul style="list-style-type: none"> • SSI, Ancillary Units, Tiny Units, Service sector Units
	19/07/2024	1	<ul style="list-style-type: none"> • Time schedule Plan, Agencies to be contacted for Project Implementation • Assessment of Demand and supply and Potential areas of Growth
4TH	22/07/2024	1	<ul style="list-style-type: none"> • Identifying Business Opportunity • Final Product selection
	24/07/2024	1	3. Project report Preparation Preliminary project report
	25/07/2024	1	<ul style="list-style-type: none"> • Detailed project report,
	26/07/2024	1	4. Management Principles Definitions of management <ul style="list-style-type: none"> • Principles of management
5TH	29/07/2024	1	<ul style="list-style-type: none"> • Functions of management (planning, organising, staffing, directing and controlling etc.)
	31/07/2024	1	<ul style="list-style-type: none"> • Level of Management in an Organisation
	01/08/2024	1	5. Functional Areas of Management a) Production management Functions, Activities <ul style="list-style-type: none"> • Productivity • Quality control • Production Planning and control
	02/08/2024	1	<ul style="list-style-type: none"> • b) Inventory Management Need for Inventory management • Models/Techniques of Inventory management
6TH	05/08/2024	1	<ul style="list-style-type: none"> • c) Financial Management Functions of Financial management
	07/08/2024	1	<ul style="list-style-type: none"> • Management of Working capital
	08/08/2024	1	<ul style="list-style-type: none"> • Costing (only concept)
	09/08/2024	1	<ul style="list-style-type: none"> • Break even Analysis
7TH	12/08/2024	1	<ul style="list-style-type: none"> • Brief idea about Accounting Terminologies: Book Keeping, Journal entry,
	14/08/2024	1	<ul style="list-style-type: none"> • Petty Cash book, P&L Accounts
	16/08/2024	1	<ul style="list-style-type: none"> • Balance Sheets(only Concepts)
8TH	21/08/2024	1	d) Marketing Management : Concept of Marketing and Marketing Management

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	22/08/2024	1	• Marketing Techniques (only concepts)
	23/08/2024	1	• Concept of 4P s (Price, Place, Product, Promotion)
9TH	28/08/2024	1	e) Human Resource Management : Functions of Personnel Management
	29/08/2024	1	• Manpower Planning, Recruitment, Sources of manpower, Selection process
	30/08/2024	1	•Method of Testing, Methods of Training & Development, Payment of Wages
10TH	02/09/2024	1	CLASS TEST-1
	04/09/2024	1	6. Leadership and Motivation
	05/09/2024	1	a) Leadership Definition and Need/Importance
	06/09/2024	1	• Qualities and functions of a leader
11TH	09/09/2024	1	• Manager Vs Leader
	11/09/2024	1	• Style of Leadership (Autocratic, Democratic, Participative)
	12/09/2024	1	INTERNAL ASSESSMENT
	13/09/2024	1	INTERNAL ASSESSMENT
12TH	18/09/2024	1	• b) Motivation , Definition and characteristics
	19/09/2024	1	• Importance of motivation
	20/09/2024	1	• Factors affecting motivation
13TH	23/09/2024	1	• Theories of motivation (Maslow)
	25/09/2024	1	• Importance of Communication in Business
	26/09/2024	1	• Importance of Communication in Business
	27/09/2024	1	• Types and Barriers of Communication
14TH	30/09/2024	1	7. Work Culture, TQM & Safety Human relationship and Performance in Organization

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	03/10/2024	1	• Relations with Peers, Superiors and Subordinates
	04/10/2024	1	• TQM concepts: Quality Policy, Quality Management, Quality system
15TH	14/10/2024	1	• Accidents and Safety, Cause, preventive measures, General Safety Rules
	17/10/2024	1	• Personal Protection Equipment(PPE)
	18/10/2024	1	8 Legislation a) Intellectual Property Rights(IPR
16TH	21/10/2024	1	• Patents, Trademarks, Copyrights
	23/10/2024	1	b) Features of Factories Act 1948 with Amendment (only salient points)
	24/10/2024	1	c) Features of Payment of Wages Act 1936 (only salient points)
	25/10/2024	1	9. Smart Technology Concept of IOT, How IOT works
17TH	28/10/2024	1	• Components of IOT, Characteristics of IOT, Categories of IOT
	30/10/2024	1	CLASS TEST-2
	01/11/2024	1	• Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
18TH	04/11/2024	1	REVISION
	06/11/2024	1	REVISION
	07/11/2024	1	PREVIOUS YEAR QUESTION DISCUSSION
	08/11/2024	1	PREVIOUS YEAR QUESTION DISCUSSION