

**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: MANISHA PRIYADARSHINEE TRIPATHY

SEMESTER: 5TH

SEC: A

Sd/-
H O D (Civil Engg.)

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Discipline: Civil Engineering	Semester: 5 th –A		Name of the teaching faculty: MANISHA PRIYADARSHINEE TRIPATHY
Subject: ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY	No. of Days/ per week class allotted: 04 period per week (Tue-01,Fri-02,Sat-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	02/07/2024	1	1. Entrepreneurship Concept /Meaning of Entrepreneurship • Need of Entrepreneurship
	05/07/2024	2	• Characteristics, Qualities and Types of entrepreneur, Functions
	06/07/2024	1	• Functions of entrepreneurship
2ND	09/07/2024	1	• Barriers in entrepreneurship • Entrepreneurs vs. Manager
	12/07/2024	2	• Forms of Business Ownership: Sole proprietorship, partnership forms and others
	13/07/2024	1	• Types of Industries, Concept of Start-ups • Entrepreneurial support agencies at National, State, District Level(Sources): DIC
3RD	16/07/2024	1	• NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. Technology Business Incubators (TBI) and Science and Technology Entrepreneur• Parks
	19/07/2024	2	2. Market Survey and Opportunity Identification (Business Planning) Business

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			Planning <ul style="list-style-type: none"> • SSI, Ancillary Units, Tiny Units, Service sector Units
	20/07/2024	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	23/07/2024	1	<ul style="list-style-type: none"> • Identifying Business Opportunity • Final Product selection
	26/07/2024	2	3. Project report Preparation Preliminary project report <ul style="list-style-type: none"> • Detailed project report,
	27/07/2024	1	4. Management Principles Definitions of management <ul style="list-style-type: none"> • Principles of management
5TH	30/07/2024	1	<ul style="list-style-type: none"> • Functions of management (planning, organising, staffing, directing and controlling etc.)
	02/08/2024	2	<ul style="list-style-type: none"> • Level of Management in an Organisation
	03/08/2024	1	5. Functional Areas of Management a) Production management Functions, Activities <ul style="list-style-type: none"> • Productivity • Quality control • Production Planning and control
6TH	06/08/2024	1	<ul style="list-style-type: none"> • b) Inventory Management Need for Inventory management • Models/Techniques of Inventory management
	09/08/2024	2	<ul style="list-style-type: none"> • c) Financial Management Functions of Financial management
	10/08/2024	1	<ul style="list-style-type: none"> • Management of Working capital • Costing (only concept)
7TH	13/08/2024	1	<ul style="list-style-type: none"> • Break even Analysis
	16/08/2024	2	<ul style="list-style-type: none"> • Brief idea about Accounting Terminologies: Book Keeping, Journal entry,
	17/08/2024	1	<ul style="list-style-type: none"> • Petty Cash book, P&L Accounts • Balance Sheets(only Concepts)
8TH	20/08/2024	1	d) Marketing Management : Concept of Marketing and Marketing Management

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	23/08/2024	2	<ul style="list-style-type: none"> • Marketing Techniques (only concepts) • Concept of 4P s (Price, Place, Product, Promotion)
	24/08/2024	1	e) Human Resource Management : Functions of Personnel Management
9TH	27/08/2024	1	• Manpower Planning, Recruitment, Sources of manpower, Selection process
	30/08/2024	2	•Method of Testing, Methods of Training & Development, Payment of Wages
	31/08/2024	1	CLASS TEST-1
10TH	03/09/2024	1	6. Leadership and Motivation a) Leadership Definition and Need/Importance
	06/09/2024	2	• Qualities and functions of a leader
11TH	10/09/2024	1	<ul style="list-style-type: none"> • Manager Vs Leader • Style of Leadership (Autocratic, Democratic, Participative)
	13/09/2024	2	INTERNAL ASSESSMENT
	14/09/2024	1	• b) Motivation , Definition and characteristics
12TH	17/09/2024	1	<ul style="list-style-type: none"> • Importance of motivation • Factors affecting motivation
	20/09/2024	2	• Theories of motivation (Maslow)
	21/09/2024	1	• Importance of Communication in Business
13TH	24/09/2024	1	• Importance of Communication in Business
	27/09/2024	2	• Types and Barriers of Communication
	28/09/2024	1	7. Work Culture, TQM & Safety Human relationship and Performance in Organization
14TH	01/10/2024	1	• Relations with Peers, Superiors and Subordinates
	04/10/2024	2	• TQM concepts: Quality Policy, Quality Management, Quality system
	05/10/2024	1	• Accidents and Safety, Cause, preventive measures, General Safety Rules
15TH	15/10/2024	1	• Personal Protection Equipment(PPE)

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	18/10/2024	2	8 Legislation a) Intellectual Property Rights(IPR
	19/10/2024	1	• Patents, Trademarks, Copyrights
16TH	22/10/2024	1	b) Features of Factories Act 1948 with Amendment (only salient points) c) Features of Payment of Wages Act 1936 (only salient points)
	25/10/2024	2	9. Smart Technology Concept of IOT, How IOT works
	26/10/2024	1	• Components of IOT, Characteristics of IOT, Categories of IOT
17TH	29/10/2024	1	CLASS TEST-2
	01/11/2024	2	• Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
	02/11/2024	1	REVISION
18TH	05/11/2024	1	REVISION
	08/11/2024	2	PREVIOUS YEAR QUESTION DISCUSSION