

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

SUBJECT: ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY (TH 1) ACCADEMIC SESSION: 2023-24

FACULTY : SWARNAPRAVA DEVI

SEMESTER: 5TH

SEC: C

Sd/-
H O D (Civil Engg.)

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Discipline: Civil Engineering	Semester: 5th C		Name of the teaching faculty: : SWARNAPRAVA DEVI
Subject: ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY	No. of Days/ per week class allotted: 04 period per week. (Mon-01, Tues-01,wed- 01,fri-1)		Semester From Date: 01-08-2023 To Date: 30-11-2023 No. of weeks: 16 weeks
Week	Class Day	No of period available	Theory Topics
1ST	01/08/23	1	1. Entrepreneurship Concept /Meaning of Entrepreneurship • Need of Entrepreneurship
	02/08/23	1	• Characteristics, Qualities and Types of entrepreneur, Functions
2ND	07/08/23	1	• Barriers in entrepreneurship
	08/08/23	1	• Entrepreneurs vrs. Manager • Forms of Business Ownership: Sole proprietorship, partnership forms and others
	09/08/23	1	• Types of Industries, Concept of Start-ups • Entrepreneurial support agencies at National, State, District Level(Sources): DIC
	11/08/23	1	• NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. Technology Business Incubators (TBI) and Science and Technology Entrepreneur• Parks
3RD	14/08/23	1	2. Market Survey and Opportunity Identification (Business Planning) Business Planning
	16/08/23	1	• SSI, Ancillary Units, Tiny Units, Service sector Units • Time schedule Plan, Agencies to be contacted for Project Implementation
	18/08/23	1	• Assessment of Demand and supply and Potential areas of Growth
4TH	21/08/23	1	• Identifying Business Opportunity • Final Product selection
	22/08/23	1	3. Project report Preparation Preliminary project report

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			Detailed project report,
	25/08/23	1	Techno economic Feasibility Project Viability
5TH	28/08/23	1	Functions of management (planning, organising, staffing, directing and controlling etc.)
	29/08/23	1	Level of Management in an Organisation
	31/08/23	1	5. Functional Areas of Management a) Production management Functions, Activities - Productivity - Quality control - Production Planning and control
	02/09/23	1	b) Inventory Management Need for Inventory management - Models/Techniques of Inventory management c) Financial Management Functions of Financial management
	04/09/23	1	CLASS TEST 1
6TH	05/09/23	1	- Management of Working capital - Costing (only concept)
	07/09/23		Break even Analysis
	09/09/23	1	Brief idea about Accounting Terminologies: Book Keeping, Journal entry,
	11/09/23	1	Petty Cash book, P&L Accounts, Balance Sheets(only Concepts) d) Marketing Management Concept of Marketing and Marketing Management
7TH	12/09/23	1	Marketing Techniques (only concepts)
	14/09/23	1	- Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management Functions of Personnel Management
	16/09/23	1	Manpower Planning, Recruitment, Sources of manpower, Selection process, Method
	18/09/23	1	of Testing, Methods of Training & Development, Payment of Wages
8TH	21/09/23	1	6. Leadership and Motivation a) Leadership Definition and Need/Importance - Qualities and functions of a leader - Manager Vs Leader
	23/09/23	1	Importance of motivation
9TH	25/09/23	1	Factors affecting motivation

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	26/09/23	1	• Theories of motivation (Maslow
	28/09/23	1	• Theories of motivation (Maslow)
	30/09/23	1	• Methods of Improving Motivation
10TH	03/10/23	1	• Importance of Communication in Business
	05/10/23	1	• Types and Barriers of Communication
	07/10/23	1	7. Work Culture, TQM & Safety Human relationship and Performance in Organization
11TH	09/10/23	1	INTERNAL ASSESSMENT
	10/10/23	1	• TQM concepts: Quality Policy, Quality Management, Quality system
	12/10/23	1	• Accidents and Safety, Cause, preventive measures, General Safety Rules ,
	14/10/23	1	• Personal Protection Equipment(PPE)
12TH	16/10/23	1	8. Legislation a) Intellectual Property Rights(IPR), Patents,
	17/10/23	1	Trademarks, Copyrights b) Features of Factories Act 1948 with Amendment (only salient points)
	19/10/23	1	9. Smart Technology Concept of IOT, How IOT works
13TH	31/10/23	1	• Components of IOT, Characteristics of IOT, Categories of IOT
	02/11/23	1	• Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart
	04/11/23	1	• Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
14TH	13/11/23	1	REVISION
	14/11/23	1	REVISION
	16/11/23	1	REVISION
	18/11/23	1	REVISION
15 TH	20/11/23	1	PREVIOUS YEAR QUESTION
	21/11/23	1	PREVIOUS YEAR QUESTION
	23/11/23	1	PREVIOUS YEAR QUESTION
	25/11/23	1	PREVIOUS YEAR QUESTION
16TH	28/11/23	1	PREVIOUS YEAR QUESTION
	29/11/23	1	PREVIOUS YEAR QUESTION