

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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

FACULTY: JASHASWINI BEHERA

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: JASHASWINI BEHERA
Subject: ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY	No. of Days/ per week class allotted: 04 period per week. (Mon-01,Tue-01,Wed- 01,Fri-1)		Semester From Date: 01-08-2023 To Date: 30-11-2023 No. of weeks: 17 weeks
Week	Class Day	No of period available	Theory Topics
1ST	01/08/2023	1	1. Entrepreneurship Concept /Meaning of Entrepreneurship • Need of Entrepreneurship
	02/08/2023	1	• Characteristics, Qualities and Types of entrepreneur, Functions
	04/08/2023	1	• Barriers in entrepreneurship
2ND	07/08/2023	1	• Entrepreneurs vrs. Manager
	08/08/2023	1	• Forms of Business Ownership: Sole proprietorship, partnership forms and others
	09/08/2023	1	• Types of Industries, Concept of Start-ups • Entrepreneurial support agencies at National, State, District Level(Sources): DIC
	11/08/2023	1	• NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. Technology Business Incubators (TBI) and Science and Technology Entrepreneur• Parks
3RD	14/08/2023	1	2. Market Survey and Opportunity Identification (Business Planning) Business Planning

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	16/08/2023	1	• SSI, Ancillary Units, Tiny Units, Service sector Units
	18/08/2023	1	• Time schedule Plan, Agencies to be contacted for Project Implementation • Assessment of Demand and supply and Potential areas of Growth
4TH	21/08/2023	1	• Identifying Business Opportunity • Final Product selection
	22/08/2023	1	3. Project report Preparation Preliminary project report • Detailed project report,
	25/08/2023	1	4. Management Principles Definitions of management • Principles of management
5TH	28/08/2023	1	CLASS TEST -1
	29/08/2023	1	• Functions of management (planning, organising, staffing, directing and controlling etc.) • Level of Management in an Organisation
	01/09/2023	1	5. Functional Areas of Management a) Production management Functions, Activities • Productivity • Quality control • Production Planning and control
6TH	04/09/2023	1	• b) Inventory Management Need for Inventory management • Models/Techniques of Inventory management • c) Financial Management Functions of Financial management
	05/09/2023	1	• Management of Working capital
	08/09/2023	1	• Costing (only concept)
7TH	11/09/2023	1	• Break even Analysis
	12/09/2023	1	• Brief idea about Accounting Terminologies: Book Keeping, Journal entry,
	13/09/2023	1	• Petty Cash book, P&L Accounts
	15/09/2023	1	• Balance Sheets(only Concepts)
8TH	18/09/2023	1	d) Marketing Management : Concept of Marketing and Marketing Management

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	22/09/2023	1	• Marketing Techniques (only concepts)
9TH	25/09/2023	1	• Concept of 4P s (Price, Place, Product, Promotion)
	26/09/2023	1	• e) Human Resource Management : Functions of Personnel Management
	27/09/2023	1	• Manpower Planning, Recruitment, Sources of manpower, Selection process
10TH	03/10/2023	1	• Method of Testing, Methods of Training & Development, Payment of Wages
	04/10/2023	1	6. Leadership and Motivation
	06/10/2023	1	a) Leadership Definition and Need/Importance
11TH	09/10/2023	1	• Qualities and functions of a leader
	10/10/2023	1	INTERNAL ASSESSMENT
	11/10/2023	1	INTERNAL ASSESSMENT
	13/10/2023	1	• Manager Vs Leader
12TH	16/10/2023	1	• Style of Leadership (Autocratic, Democratic, Participative)
	17/10/2023	1	• b) Motivation , Definition and characteristics
	18/10/2023	1	• Importance of motivation
	20/10/2023	1	• Factors affecting motivation
13TH	30/10/2023	1	• Theories of motivation (Maslow)
	31/10/2023	1	• Importance of Communication in Business
	01/11/2023	1	• Types and Barriers of Communication
	03/11/2023	1	7. Work Culture, TQM & Safety Human relationship and Performance in Organization
			• Relations with Peers, Superiors and Subordinates

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14TH	06/11/2023	1	• TQM concepts: Quality Policy, Quality Management, Quality system
	07/11/2023	1	• Accidents and Safety, Cause, preventive measures, General Safety Rules
	08/11/2023	1	• Personal Protection Equipment(PPE)
	10/11/2023	1	8 Legislation a) Intellectual Property Rights(IPR
15TH	13/11/2023	1	• Patents,Trademarks, Copyrights
	14/11/2023	1	b) Features of Factories Act 1948 with Amendment (only salient points)
	15/11/2023	1	c) Features of Payment of Wages Act 1936 (only salient points)
	17/11/2023	1	9. Smart Technology Concept of IOT, How IOT works
16 TH	20/11/2023	1	• Components of IOT, Characteristics of IOT, Categories of IOT
	21/11/2023	1	CLASS TEST-2
	22/11/2023	1	• Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
	24/11/2023	1	REVISION
17TH	28/11/2023	1	PREVIOUS YEAR QUESTIONS
	29/11/2023	1	PREVIOUS YEAR QUESTIONS