

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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

ACCADEMIC SESSION: 2024-25

FACULTY: SRI SURAJ KUMAR NAYAK

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: Suraj Kumar Nayak
Subject: ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY	No. of Days/ per week class allotted: 04 periods per week. (Wed-01, Thu-01, Fri-02)		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	03/07/2024	01	1. Entrepreneurship Concept /Meaning of Entrepreneurship • Need of Entrepreneurship
	04/07/2024	01	• Characteristics, Qualities and Types of entrepreneur, Functions • Barriers in entrepreneurship
	05/07/2024	02	• Entrepreneurs vrs. Manager • Forms of Business Ownership: Sole proprietorship, partnership forms and others
2ND	10/07/2024	01	• Types of Industries, Concept of Start-ups • Entrepreneurial support agencies at National, State, District Level(Sources): DIC
	11/07/2024	01	• NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. Technology Business Incubators (TBI) and Science and Technology Entrepreneur• Parks
	12/07/2024	02	2. Market Survey and Opportunity Identification (Business Planning) Business Planning • SSI, Ancillary Units, Tiny Units, Service sector Units
3RD	18/07/2024	01	• Time schedule Plan, Agencies to be contacted for Project Implementation Assessment of Demand and supply and Potential areas of Growth
	19/07/2024	02	• Identifying Business Opportunity • Final Product selection
4TH	24/07/2024	01	3. Project report Preparation Preliminary project report • Detailed project report,
	25/07/2024	01	Techno economic Feasibility • Project Viability
	26/07/2024	02	4. Management Principles Definitions of management

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			<ul style="list-style-type: none"> Principles of management , Functions of management (planning, organising, staffing, directing and controlling etc.)
5TH	31/07/2024	01	<ul style="list-style-type: none"> Level of Management in an Organisation
	01/08/2024	01	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	02	<ul style="list-style-type: none"> b) Inventory Management Need for Inventory management Models/Techniques of Inventory management c) Financial Management Functions of Financial management
6TH	07/08/2024	01	Monthly Class Test 1
	08/08/2024	01	<ul style="list-style-type: none"> Management of Working capital Costing (only concept) Break even Analysis
	09/08/2024	02	<ul style="list-style-type: none"> Brief idea about Accounting Terminologies: Book Keeping, Journal entry,
7TH	14/08/2024	01	<ul style="list-style-type: none"> Petty Cash book, P&L Accounts, Balance Sheets(only Concepts) d) Marketing Management Concept of Marketing and Marketing Management
	16/08/2024	02	<ul style="list-style-type: none"> Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management Functions of Personnel Management
8TH	21/08/2024	01	<ul style="list-style-type: none"> Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages
	22/08/2024	01	6. Leadership and Motivation a) Leadership Definition and Need/Importance <ul style="list-style-type: none"> Qualities and functions of a leader Manager Vs Leader
	23/08/2024	02	<ul style="list-style-type: none"> Style of Leadership (Autocratic, Democratic, Participative) b) Motivation Definition and characteristics Importance of motivation
9TH	28/08/2024	01	<ul style="list-style-type: none"> Factors affecting motivation

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	29/08/2024	01	• Theories of motivation (Maslow)
	30/08/2024	02	• Methods of Improving Motivation
10TH	04/09/2024	01	• Importance of Communication in Business
	05/09/2024	01	• Types and Barriers of Communication
	06/09/2024	02	7. Work Culture, TQM & Safety Human relationship and Performance in Organization
11TH	11/09/2024	01	• Relations with Peers, Superiors and Subordinates
	12/09/2024	01	Internal Assessment
	13/09/2024	02	Internal Assessment
12TH	18/09/2024	01	• Accidents and Safety, Cause, preventive measures, General Safety Rules , • TQM concepts: Quality Policy, Quality Management, Quality system
	19/09/2024	01	Personal Protection Equipment(PPE)
	20/09/2024	02	8. Legislation a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights b) Features of Factories Act 1948 with Amendment (only salient points)
13TH	25/09/2024	01	c) Features of Payment of Wages Act 1936 (only salient points)
	26/09/2024	01	9. Smart Technology Concept of IOT, How IOT works
	27/09/2024	02	• Components of IOT, Characteristics of IOT, Categories of IOT
14TH	03/10/2024	01	• Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart
	04/10/2024	02	• Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
15TH	17/10/2024	01	Monthly Class Test 2
	18/10/2024	02	Revision
16TH	23/10/2024	01	Revision
	24/10/2024	01	Revision
	25/10/2024	02	Revision
17TH	30/10/2024	01	Revision
	31/10/2024	01	Previous Year Question
	01/11/2024	02	Previous Year Question
18TH	06/11/2024	01	Previous Year Question
	07/11/2024	01	Previous Year Question
	08/11/2024	02	Previous Year Question

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