

BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK
DEPARTMENT OF CIVIL ENGINEERING
LESSON PLAN

Discipline: Civil Engineering	Semester: 5 TH Semester- Section C		Name of the teaching faculty: Dr. Chandrakanta Sahoo
Subject: Entrepreneurship And Management & Smart Technology	No. of Days/ per week class allotted: 04 periods per week. (Monday-2 period, Wednesday-1 period, Saturday-1 period)		Semester From Date: 28-10-2020 To Date: 22-01-2021 No. of weeks: 13 weeks
Week	Class Day	No of the period available	Theory Topics
1ST	27/10/2020	1	1.0 Entrepreneurship Concept /Meaning of Entrepreneurship Need of Entrepreneurship
	28/10/2020	1	
	30/10/2020	1	Characteristics, Qualities and Types of entrepreneur,
2ND	02/11/2020	1	Functions, Barriers in entrepreneurship Entrepreneurs vrs. Manager
	3/11/2020		Forms of Business Ownership: Sole proprietorship, partnership firms, and others
	4/11/2020	1	Types of Industries, Concept of Start-ups Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC, etc.
	7/11/2020	1	

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3 RD			
	9/11/2020	1	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks 2.0 Market Survey and Opportunity Identification (Business Planning) Business Planning SSI, Ancillary Units, Tiny Units, Service sector Units
	10/10/2020	1	Monthly Class Test
4 TH	16/11/2020	1	Time schedule Plan, Agencies to be contacted for Project Implementation
	17/11/2020	1	
	18/11/2020	1	Assessment of Demand and supply and Potential Areas of Growth Identifying Business Opportunity Final Product selection
	21/11/2020	1	3.0 Project report Preparation Preliminary project report Detailed project report
5 TH	23/11/2020	1	Techno-economic Feasibility Project Viability
	25/11/2020	1	
	26/11/2020	1	4.0 Management Principles Definitions of Management Principles of Management
	27/11/2020	1	Functions of Management (planning, organizing, staffing, directing and controlling, etc.) Level of Management in an Organisation
6 TH	1/12/2021	2	5.0 Functional Areas of Management

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			a) Production management
	3/12/2021	1	Functions, Activities Productivity Quality control Production Planning and control
	4/12/2021	1	b) Inventory Management Need for Inventory management Models/Techniques of Inventory management
7TH	7/12/2021 9/12/2021	1 1	c) Financial Management Functions of Financial Management Management of Working capital Costing (only concept) Break even Analysis
	10/12/2021	1	A brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts)
	11/12/2020	1	Monthly Class Test
8TH	13/12/2020	1 1	d) Marketing Management Concept of Marketing and Marketing Management
	14/12/2020	1	Internal Assessment
	16/12/2020	1	Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management Functions of Personnel Management
9TH	23/12/2020 24/12/2020	2	Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training

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			& Development, Payment of Wages
	25/12/2020	1	6.0 Leadership and Motivation a) Leadership Definition and Need/Importance Qualities and functions of a leader Manager Vs Leader Style of Leadership (Autocratic, Democratic, Participative)
	27/12/2020	1	b) Motivation Definition and characteristics Importance of motivation Factors affecting motivation
10TH	2/1/2021	1	Theories of motivation (Maslow)
	4/1/2021	1	Methods of Improving Motivation
	5/1/2021	1	Importance of Communication in Business Types and Barriers of Communication
	6/1/2021	1	7.0 Work Culture, TQM & Safety Human relationship and Performance in Organization
11TH	8/1/2021	1	Relations with Peers, Superiors, and Subordinates TQM concepts: Quality Policy, Quality Management, Quality system
	9/1/2021	1	Accidents and Safety, Cause, preventive measures, General Safety Rules, Personal Protection Equipment(PPE)
12TH	11/1/2021	1	8.0 Legislation a) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights
	12/1/2020	1	b) Features of Factories Act 1948 with Amendment (only salient points)

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	29/12/2021	1	Monthly Class Test
	13/1/2021 14/1/2021	1 1	c) Features of Payment of Wages Act 1936 (only salient points) 9.0 Smart Technology Concept of IOT, How IOT works Components of IOT, Characteristics of IOT, Categories of IOT
13TH	18/01/2021 20/01/2021	1 1	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.
	21/01/2021	1	Revision
	22/01/2021	1	Previous Year Question Discussion

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