

LESSON PLAN

DEPARTMENT OF CIVIL ENGINEERING, ITT, CHOUDWAR

SUBJECT: E&M&ST

Periods: 4 per week

SEMESTER: 5TH

NAME OF FACULTY: RITUPURNA SWAIN

Week	Class Day	Theory / Practical Topics
1st	1 st	1. Entrepreneurship: Concept /Meaning of Entrepreneurship, Need of Entrepreneurship, Characteristics.
	2 nd	Qualities and Types of entrepreneur, Functions, Barriers in entrepreneurship, Entrepreneurs vrs. Manager.
2 nd	1 st	Forms of Business Ownership: Sole proprietorship, partnership forms and others, Types of Industries, Concept of Start-ups.
	2 nd	Entrepreneurial support agencies at National, State, District Level (Sources): DIC, NSIC, OSIC, SIDBI, NABARD.
3 rd	1 st	Commercial Banks, KVIC etc, Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks.
	2 nd	2. Market Survey and Opportunity Identification (Business Planning): Business Planning, SSI, Ancillary Units, Tiny Units, Service sector Units.
4 th	1 st	Time schedule Plan, Agencies to be contacted for Project Implementation.
	2 nd	Assessment of Demand and supply and Potential areas of Growth.
5 th	1 st	Identifying Business Opportunity, Final Product selection.

	2 nd	3. Project report Preparation: Preliminary project report, Detailed project report.
6 th	1 st	Techno economic Feasibility, Project Viability.
	2 nd	4. Management Principles: Definitions of management, Principles of management.
7 th	1 st	Functions of management (planning, organising, staffing, directing and controlling etc.)
	2 nd	Level of Management in an Organisation 5. Functional Areas of Management: a) Production management: Functions, Activities, Productivity, Quality control, Production Planning and control
8 th	1 st	b) Inventory Management: Need for Inventory management, Models/Techniques of Inventory management.
	2 nd	c) Financial Management: Functions of Financial management, Management of Working capital, Costing (only concept), Break even Analysis.
9 th	1 st	Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets (only Concepts) d) Marketing Management: Concept of Marketing and Marketing Management, Marketing Techniques (only concepts).
	2 nd	Concept of 4P s (Price, Place, Product, Promotion) e) Human Resource Management Functions of Personnel Management, Manpower Planning, Recruitment, Sources of manpower, Selection process.
10 th	1 st	Method of Testing, Methods of Training & Development, Payment of Wages. 6. Leadership and Motivation: a) Leadership:

		Definition and Need/Importance
	2 nd	Qualities and functions of a leader, Manager Vs Leader, Style of Leadership (Autocratic, Democratic, Participative) b) Motivation: Definition and characteristics, Importance of motivation
11 th	1 st	Factors affecting motivation, Theories of motivation (Maslow), Methods of Improving Motivation, Importance of Communication in Business.
	2 nd	Types and Barriers of Communication 7. Work Culture, TQM & Safety: Human relationship and Performance in Organization.
12 th	1 st	Relations with Peers, Superiors and Subordinates, TQM concepts: Quality Policy, Quality Management, Quality system.
	2 nd	Accidents and Safety, Cause, preventive measures, General Safety Rules, Personal Protection Equipment (PPE).
13 th	1 st	8. Legislation: a) Intellectual Property Rights (IPR), Patents, Trademarks, Copyrights b) Features of Factories Act 1948 with Amendment (only salient points)
	2 nd	b) Features of Factories Act 1948 with Amendment (only salient points) c) Features of Payment of Wages Act 1936 (only salient points)
14 th	1 st	c) Features of Payment of Wages Act 1936 (only salient points)
	2 nd	9. Smart Technology: Concept of IOT, How IOT works, Components of IOT, Characteristics of IOT.
15 th	1 st	Categories of IOT, Applications of IOT- Smart Cities, Smart Transportation, Smart Home.
	2 nd	Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc.