

ACADEMIC SESSION: 2022-23 (Winter-2022)

Discipline : CIVIL ENGINEERING			Semester : 5TH	Name of the Teaching Faculty : BIKASH KUMAR NAYAK	
Subject : ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY			Semester From date: 15/09/2022 to 22/12/2022		
SL NO.	DATE	CHAPTER	THEORY TOPIC NAME		NO.OF PERIODS
1	16.09.22	ENTREPRENEURSHIP	Concept /Meaning of Entrepreneurship, Need of Entrepreneurship		1
2	19.09.22		Characteristics, Qualities of Entrepreneurship		1
3	20.09.22		Types of entrepreneur and Functions		1
4	21.09.22		Barriers in entrepreneurship, Entrepreneurs vs Manager		1
5	23.09.22		Forms of Business Ownership: Sole proprietorship, partnership firms and others		1
6	26.09.22		Types of Industries, Concept of Start-ups		1
7	27.09.22		Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.		1
8	28.09.22		Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks		1
9	30.09.22	MARKET SURVEY & OPPORTUNITIES IDENTIFICATION (BUSINESS PLANNING)	Business Planning		1
10	10.10.22		SSI, Ancillary Units, Tiny Units, Service sector Units		1
11	11.10.22		Time schedule Plan, Agencies to be contacted for Project Implementation		1
12	12.10.22		Assessment of Demand & Supply & Potential areas of Growth		1
13	14.10.22		Identifying Business Opportunity		1
14	17.10.22		Final Product selection		1
15	18.10.22	PROJECT REPORT PREPARATION	Preliminary project report		1
16	19.10.22		Detailed project report		1
17	21.10.22		Techno economic Feasibility		1
18	25.10.22		Project Viability		1
19	26.10.22	MANAGEMENT PRINCIPLES	Definitions of management		1
20	28.10.22		Principles of management		1
21	31.10.22		Functions of management-planning, Organizing, Functions of management staffing, directing and controlling		1
22	01.11.22		Level of Management in an Organization		1
23	02.11.22	FUNCTIONAL AREA OF MANAGEMENT	Production management- Functions, Activities, Productivity		1
24	04.11.22		Quality control, Production Planning and control		1
25	07.11.22		Needs/Models/Techniques of Inventory management		1
26	09.11.22		Functions of Financial Management, Management of working capital		1
27	11.11.22		Costing (only concept), BEP (Break Even Analysis)		1
28	14.11.22		Book Keeping, Journal entry, Petty Cash book		1

29	15.11.22		P&L Accounts, Balance Sheets	1
30	16.11.22		Concept of Marketing and Marketing Management, Concept of 4P s (Price, Place, Product, Promotion)	1
31	18.11.22		Human Resource Management-Functions of Personnel Management, Manpower Planning, Recruitment,	1
32	21.11.22		Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages	1
33	22.11.22	LEADERSHIP & MOTIVATION	Definition and Need/Importance, Qualities and functions of a leader	1
34	23.11.22		Manager vs Leader, Style of Leadership (Autocratic, Democratic, Participative)	1
35	25.11.22		Motivation-Definition and characteristics, Importance of motivation	1
36	28.11.22		Theories of motivation (Maslow), Methods of Improving Motivation	1
37	29.11.22		Importance of Communication in Business	1
38	30.11.22		Types and Barriers of Communication	1
39	02.12.22	WORK CULTURE, TQM & SAFETY	Human relationship and Performance in Organization	1
40	05.12.22		Relations with Peers, Superiors and Subordinates	1
41	06.12.22		TQM concepts: Quality Policy, Quality Management, Quality system	1
42	07.12.22		Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)	1
43	09.12.22	LEGISLATION	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights	1
44	12.12.22		Features of Factories Act 1948 with Amendment	1
45	13.12.22		Features of Factories Act 1948 with Amendment	1
46	14.12.22		Features of Payment of Wages Act 1936	1
47	16.12.22		Features of Payment of Wages Act 1936	1
48	19.12.22	SMART TECHNOLOGY	Concept of IOT, How IOT works	1
49	20.12.22		Components of IOT, Characteristics of IOT, Categories of IOT	1
50	21.12.22		Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry Smart Agriculture, Smart Energy Management etc.	1
			TOTAL CLASS	50

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