

DISCIPLINE ELECTRICAL	SEMESTER 5TH	NAME OF THE TEACHING FACULTY Binayak Satpathy (PTGF Electronics)
SUBJECT ENTREPRENEURSHIP MANAGEMENT & SMART TECHNOLOGY	NO. OF DAYS/WEEK CLASS ALLOTTED - 60	SEMESTER FROM DATE 01.09.2020 to 19.03.2021 No. of week excluding holiday - 17
WEEK	CLASS DAY	THEORY TOPICS
1 ST	01	Entrepreneurship - Concept /Meaning of Entrepreneurship
	02	Need of Entrepreneurship
	03	Characteristics, Qualities and Types of entrepreneur, Functions
	04	Barriers in entrepreneurship
2 ND	05	Entrepreneur's vs. Manager
	06	Forms of Business Ownership: Sole proprietorship, partnership forms and others
	07	Types of Industries, Concept of Start-ups
	08	Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC
3 RD	09	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks
	10	Revision of chapter - 1
	11	Market Survey & Opportunity Identification - Business Planning
	12	SSI, Ancillary Units, Tiny Units, Service sector Units
	13	Time schedule Plan, Agencies to be contacted for Project Implementation
	14	Assessment of Demand and supply and Potential areas of Growth
	15	Identifying Business Opportunity
	16	Final Product selection
5 TH	17	Revision of chapter - 2
	18	Revision of chapter - 2
	19	Project Report Preparation - Preliminary project report
	20	Detailed project report, Techno economic Feasibility
6 TH	21	Project Viability
	22	Revision of chapter - 3
	23	Management Principle - Definitions of management
	24	Principles of management
7 TH	25	Functions of management (planning, organising, staffing, directing and controlling etc.)
	26	Level of Management in an Organisation
	27	Revision of chapter - 4
	28	Revision of chapter - 4
8 TH	29	Production management Functions, Activities, Productivity Quality control, Production Planning and control
	30	Need for Inventory management Models/Techniques of Inventory management
	31	Financial Management - Functions of Financial management
	32	Management of Working capital Costing (only concept)

9 TH	33	Break even Analysis
	34	Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts)
	35	Concept of Marketing and Marketing Management Marketing Techniques (only concepts) Concept of 4P s (Price, Place, Product, Promotion)
	36	Human Resource Management - Functions of Personnel Management
10 TH	37	Manpower Planning, Recruitment, Sources of manpower, Selection process
	38	Methods of Testing, Methods of Training & Development, Payment of Wages
	39	Revision of chapter - 5
	40	Revision of chapter - 5
	41	Definition and Need/Importance Qualities and functions of a leader
	42	Manager Vs Leader Style of Leadership (Autocratic, Democratic, Participative)
	43	Motivation - Factors affecting motivation Theories of motivation (Maslow)
	44	Methods of Improving Motivation
12 TH	45	Importance of Communication in Business Types and Barriers of Communication
	46	Revision of chapter - 6
	47	Human relationship and Performance in Organization Relations with Peers, Superiors and Subordinates
	48	TQM concepts: Quality Policy, Quality Management, Quality system
13 TH	49	Accidents and Safety, Cause, preventive measures, General Safety Rules ,Personal Protection Equipment(PPE)
	50	Revision of chapter - 7
	51	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights
	52	Features of Factories Act 1948 with Amendment (only salient points)
14 TH	53	features of Payment of Wages Act 1936 (only salient points)
	54	Revision of chapter - 8
	55	Smart Technology Concept of IOT, How IOT works
	56	Components of IOT, Characteristics of IOT, Categories of IOT
15 TH	57	Applications of IOT- Smart Cities, Smart Transportation, Smart Home
	58	Smart Healthcare, Smart Industry
	59	Smart Agriculture, Smart Energy Management
	60	Revision of chapter - 9
	61	Previous year question & Probable question discussion.
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	65	Previous year question & Probable question discussion.
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