

Discipline EM&ST	Semester : 5th Semester 2023-2024 Dt- 01/08/2023 To 30/11/2023	Name of the Teaching Faculty: Shri Arun kumar Sahu, Ptg mechanical engineering
Subject: EM&ST	No. of Days/week Class Allotted: 60	No of weeks: 18
week	Class Day	Theory Topics
1st	1st	Concept /Meaning of Entrepreneurship
	2nd	Need of Entrepreneurship
	3rd	Characteristics, Qualities and Types of entrepreneur, Functions
	4th	Barriers in entrepreneurship
2nd	1st	Entrepreneurs vrs. Manager
	2nd	Forms of Business Ownership: Sole proprietorship, partnership forms and others
	3rd	Types of Industries, Concept of Start-ups
	4th	Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.
3rd	1st	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks
	2nd	Business Planning
	3rd	SSI, Ancillary Units, Tiny Units, Service sector Units
	4th	Time schedule Plan, Agencies to be contacted for Project Implementation
4th	1st	Assessment of Demand and supply and Potential areas of Growth
	2nd	Identifying Business Opportunity
	3rd	Final Product selection
	4th	Preliminary project report
5th	1st	Detailed project report, Techno economic Feasibility
	2nd	Project Viability
	3rd	Definitions of management
	4th	Principles of management
	1st	Functions of management (planning, organising, staffing, directing and controlling etc.)
	2nd	Level of Management in an Organisation

7 th	1 st	Production Planning and control
	2 nd	Need for Inventory management
	3 rd	Models/Techniques of Inventory management
	4 th	c) Financial Management Functions of Financial management
8 th	1 st	Management of Working capital Costing (only concept)
	2 nd	Break even Analysis
	3 rd	Brief Idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts)
	4 th	Concept of Marketing and Marketing Management
9 th	1 st	Marketing Techniques (only concepts)
	2 nd	Concept of 4P s (Price, Place, Product, Promotion)
	3 rd	Functions of Personnel Management
	4 th	Manpower Planning, Recruitment, Sources of manpower, Selection process
10 th	1 st	Methods of Testing, Methods of Training & Development, Payment of Wages
	2 nd	Definition and Need/Importance Qualities and functions of a leader
	3 rd	Manager Vs Leader Style of Leadership (Autocratic, Democratic, Participative) b) Motivation
	4 th	Factors affecting motivation Theories of motivation (Maslow)
11 th	1 st	Methods of Improving Motivation Importance of Communication in Business Types and Barriers of Communication
	2 nd	Human relationship and Performance in Organization Relations with Peers, Superiors and Subordinates
	3 rd	TQM concepts: Quality Policy, Quality Management, Quality system
	4 th	Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE)
12 th	1 st	Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights
	2 nd	Features of Factories Act 1948 with Amendment (only salient points)
	3 rd	Features of Payment of Wages Act 1936 (only salient points)
	4 th	Smart Technology Concept of IOT, How IOT works
13 th	1 st	Components of IOT, Characteristics of IOT, Categories of IOT
	2 nd	Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare,
	3 rd	Smart Industry, Smart Agriculture, Smart Energy Management etc.
	4 th	Revision of Chapter – 1
14 th	1 st	Revision of Chapter – 2

