

Discipline EM&ST	Semester : 5th Semester-2020- 21	Name of the Teaching Faculty: Shri Arun kumar Sahu, Ptgf mechanical engineering	
Subject:	No. of Days/week Class Allotted: 60	Semester from date: 01/09/ 2020 to date: 19/03 /2021 No of weeks: 18	
week	Class Day	Theory Topics	
1 st	1 st	Concept /Meaning of Entrepreneurship	
	2 nd	Need of Entrepreneurship	
	3 rd	Characteristics, Qualities and Types of entrepreneur, Functions	
	4 th	Barriers in entrepreneurship	
2 nd	1 st	Entrepreneurs vrs. Manager	
	2 nd	Forms of Business Ownership: Sole proprietorship, partnership forms and others	
	3 rd	Types of Industries, Concept of Start-ups	
	4 th	Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc.	
3 rd	1 st	Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks	
	2 nd	Business Planning	
	3 rd	SSI, Ancillary Units, Tiny Units, Service sector Units	
	4 th	Time schedule Plan, Agencies to be contacted for Project Implementation	
4 th	1 st	Assessment of Demand and supply and Potential areas of Growth	
	2 nd	Identifying Business Opportunity	
	3 rd	Final Product selection	
	4 th	Preliminary project report	
5 th	1 st	Detailed project report, Techno economic Feasibility	
	2 nd	Project Viability	
	3 rd	Definitions of management	
	4 th	Principles of management	
6 th	1 st	Functions of management (planning, organising, staffing, directing and controlling etc.)	
	2 nd	Level of Management in an Organisation	
	3 rd	Production management Functions, Activities	
	4 th	Productivity Quality control	

7 th	1 st	Production Planning and control	
	2 nd	Need for Inventory management	
	3 rd	Models/Techniques of Inventory management c) Financial Management	
	4 th	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)	
	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	

	2 nd	Revision of Chapter – 3	
	3 rd	Revision of Chapter – 4	
	4 th	Revision of Chapter – 4	
15 th	1 st	Revision of Chapter – 5	
	2 nd	Revision of Chapter – 5	
	3 rd	Revision of Chapter – 6	
	4 th	Revision of Chapter – 6	
16 th	1 st	Revision of Chapter – 6	
	2 nd	Revision of Chapter – 7	
	3 rd	Revision of Chapter – 7	
	4 th	Revision of Chapter – 8	
17 th	1 st	Revision of Chapter – 8	
	2 nd	Revision of Chapter – 9	
	3 rd	Discussion of Probable Questions and Answers (1)	
	4 th	Discussion of Probable Questions and Answers(2)	
18 th	1 st	Discussion of Probable Questions and Answers (3)	
	2 nd	Discussion of Probable Questions and Answers(4)	
	3 rd	Discussion of Probable Questions and Answers (5)	
	4 th	Discussion of Probable Questions and Answers (6)	