

| EM&ST 5 <sup>TH</sup> MECHANICAL |                                                 | LESSON PLAN 2023                                                                                                                        |
|----------------------------------|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Discipline : Mechanical          | Semester : 5th                                  |                                                                                                                                         |
| Subject : EM & ST                | No. of Days /<br>per week class<br>allotted : 4 | No. of Weeks : 14                                                                                                                       |
| Week                             | Class Day                                       | Topics                                                                                                                                  |
| 15.9 - 17.9                      | 1st                                             | Concept /Meaning of Entrepreneurship and Need of Entrepreneurship                                                                       |
|                                  | 2nd                                             | Characteristics, Qualities and Types of entrepreneur, Functions, Barriers in entrepreneurship                                           |
|                                  | 3rd                                             | Entrepreneurs vs. Manager                                                                                                               |
|                                  | 4th                                             | Forms of Business Ownership: Sole proprietorship, partnership forms and others Types of Industries, Concept of Start-ups                |
| 19.9-24.9                        | 1st                                             | Entrepreneurial support agencies at National, State, District Level( Sources) DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks KVIC etc |
|                                  | 2nd                                             | Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks                                                      |
|                                  | 3rd                                             | Business Planning, SSI, Ancillary Units, Tiny Units, Service sector Units                                                               |
|                                  | 4th                                             | Time schedule Plan, Agencies to be contacted for Project Implementation                                                                 |
| 26.9-1.10                        | 1st                                             | Assessment of Demand and supply and Potential areas of Growth                                                                           |
|                                  | 2nd                                             | Identifying Business Opportunity, Final Product selection                                                                               |
|                                  | 3rd                                             | Project report Preparation, Preliminary project report, Detailed project report, Techno economic Feasibility                            |
|                                  | 4th                                             | Project Viability                                                                                                                       |
| 10.10-15.10                      | 1st                                             | Definitions of management, Principles of management, Functions of management ( staffing, directing )                                    |
|                                  | 2nd                                             | planning, organising,                                                                                                                   |
|                                  | 3rd                                             | and controlling etc                                                                                                                     |
|                                  | 4th                                             | Level of Management in an Organisation                                                                                                  |
| 17.10-22.10                      | 1st                                             | Production management                                                                                                                   |
|                                  | 2nd                                             | Functions,                                                                                                                              |
|                                  | 3rd                                             | Productivity                                                                                                                            |
|                                  | 4th                                             | Quality control                                                                                                                         |
| 24.10-29.10                      | 1st                                             | Production                                                                                                                              |
|                                  | 2nd                                             | Activities                                                                                                                              |
|                                  | 3rd                                             | Inventory Management                                                                                                                    |
|                                  | 4th                                             | Need for Inventory management                                                                                                           |
| 31.10-5.11                       | 1st                                             | Models/Techniques of Inventory management                                                                                               |
|                                  | 2nd                                             | Functions of Financial management                                                                                                       |
|                                  | 3rd                                             | Management of Working capital                                                                                                           |
|                                  | 4th                                             | Costing (only concept)                                                                                                                  |
| 7.11-12.11                       | 1st                                             | Break even Analysis                                                                                                                     |
|                                  | 2nd                                             | Brief idea about Accounting Terminologies Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts)     |
|                                  | 3rd                                             | Concept of Marketing and Marketing Management                                                                                           |
|                                  | 4th                                             | Marketing Techniques (only concepts)                                                                                                    |
| 14.11-19.11                      | 1st                                             | Concept of 4P's (Price, Place, Product, Promotion)                                                                                      |
|                                  | 2nd                                             | Functions of Personnel Management                                                                                                       |
|                                  | 3rd                                             | Manpower Planning, Recruitment, Sources of manpower,                                                                                    |
|                                  | 4th                                             | Selection process, Method of Testing, Methods of Training & Development, Payment of Wages                                               |
| 21.11-26.11                      | 1st                                             | Leadership and Motivation                                                                                                               |
|                                  | 2nd                                             | Leadership                                                                                                                              |
|                                  | 3rd                                             | Definition and Need/Importance                                                                                                          |
|                                  | 4th                                             | Qualities and functions of a leader                                                                                                     |
| 28.11-3.12                       | 1st                                             | Manager Vs Leader                                                                                                                       |
|                                  | 2nd                                             | Style of Leadership (Autocratic, Democratic, Participative)                                                                             |
|                                  | 3rd                                             | Definition and characteristics                                                                                                          |
|                                  | 4th                                             | Importance of motivation                                                                                                                |
| 5.12-10.12                       | 1st                                             | Factors affecting motivation                                                                                                            |
|                                  | 2nd                                             | Theories of motivation (Maslow)                                                                                                         |
|                                  | 3rd                                             | Methods of Improving Motivation                                                                                                         |
|                                  | 4th                                             | Importance of Communication in Business                                                                                                 |
| 12.12-17.12                      | 1st                                             | Types and Barriers of Communication                                                                                                     |
|                                  | 2nd                                             | Human relationship and Performance in Organization                                                                                      |
|                                  | 3rd                                             | Relations with Peers, Superiors and Subordinates                                                                                        |
|                                  | 4th                                             | TQM concepts: Quality Policy, Quality Management, Quality system                                                                        |
| 19.12-22.12                      | 1st                                             | Accidents and Safety, Cause preventive measures, General Safety Rules, Personal Protection Equipment(PPE)                               |
|                                  | 2nd                                             | Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights                                                                      |
|                                  | 3rd                                             | Features of Factories Act 1948 with Amendment (only salient points)                                                                     |
|                                  | 4th                                             | Features of Payment of Wages Act 1936 (only salient points)                                                                             |

12/Jan  
20/08/23