

GOVT. POLYTECHNIC MAYURBHANJ

ACADEMIC SESSION-2022-23

LESSON PLAN

| | | | |
|--|----------------|---|---|
| Discipline : Mechanical Engg. | | Semester: 5th Sem | Name of the Teaching Faculty : Mihir mohanta |
| SUBJECT- Entrepreneurship and management & smart technology | | No. of Days / per week class allotted : 04 | Semester From date : 15.09.2022 To Date : 21.01.2023 |
| MONTH | Week | Day | Topics |
| SEPTEMBER | 3RD | 4TH | 1. Entrepreneurship, Concept / Meaning of Entrepreneurship, Need of Entrepreneurship, Characteristics, Qualities and Types of entrepreneur, Functions. |
| | | 1ST | Barriers in entrepreneurship, Entrepreneurs vrs. Manager |
| | 4TH | 2ND | Forms of Business Ownership: Sole proprietorship, partnership forms and others, Types of Industries, Concept of Start-ups |
| | | 2ND | Entrepreneurial support agencies at National, State, District Level(Sources): DIC, NSIC, OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks |
| | | 4TH | Revision |
| | 5TH | 1ST | 2. Market Survey and Opportunity Identification (Business Planning), Business Planning, SSI, Ancillary Units, Tiny Units, Service sector Units. |
| | | 2ND | Time schedule Plan, Agencies to be contacted for Project Implementation, Assessment of Demand and supply and Potential areas of Growth |
| | | 2ND | Identifying Business Opportunity, Final Product selection |
| | | 4TH | 3. Project report Preparation. Preliminary project report, Detailed project report, Techno economic Feasibility , Project Viability |
| | OCTOBER | 3RD | 1ST |
| 2ND | | | 4. Management Principles: Definitions of management, Functions of management (planning, organising, staffing, directing and controlling etc.) |
| 2ND | | | Level of Management in an Organisation |
| 4TH | | | Revision |
| 4TH | | 1ST | 5. Functional Areas of Management a. Production management , Functions, Activities , Productivity |
| | | 2ND | Quality control , Production Planning and control |
| | | 2ND | b) Inventory Management , Need for Inventory management , |
| | | 4TH | Class Test-1 |
| 5TH | | 2ND | Models/Techniques of Inventory management |
| | | 2ND | Financial Management , Functions of Financial management. |
| | 4TH | Management of Working capital Costing (only concept) | |
| 1ST | 2ND | Break even Analysis | |
| | 2ND | Solve problem | |
| | 4TH | Brief idea about Accounting Terminologies: Book Keeping, Journal entry. | |

| | | | |
|-----------------|----------------|---|---|
| NOVEMBER | 2ND | 1ST | Petty Cash book, P&L Account, Balance Sheets(only Concepts) |
| | | 4TH | Revision |
| | 3rd | 1ST | d) Marketing Management. Concept of Marketing and Marketing Management |
| | | 2ND | Revision |
| | | 2ND | Revision |
| | | 4TH | Marketing Techniques (only concepts) |
| | 4TH | 1ST | Concept of 4P s (Price, Place, Product, Promotion) |
| | | 2ND | Human Resource Management • Functions of Personnel Management |
| | | 2ND | Manpower Planning, Recruitment, Sources of manpower |
| | | 4TH | Selection process, Method of Testing, Methods of Training & Development |
| | 5th | 1ST | Payment of Wages |
| | | 2ND | Revision |
| 2ND | | 6. Leadership and Motivation: Leadership , Definition and Need/Importance | |
| DECEMBER | 1ST | 4TH | Qualities and functions of a leader , Manager Vs Leader |
| | 2ND | 1ST | Style of Leadership (Autocratic, Democratic, Participative) |
| | | 2ND | b) Motivation , Definition and characteristics , Importance of motivation , Factors affecting motivation , |
| | | 2ND | Theories of motivation (Maslow) , Methods of Improving Motivation |
| | | 4TH | Theories of motivation (Maslow) , Methods of Improving Motivation |
| | 3RD | 1ST | Importance of Communication in Business , Types and Barriers of Communication |
| | | 2ND | Revision |
| | | 2ND | 7. Work Culture, TQM & Safety . Human relationship and Performance in Organization ,Relations with Peers, Superiors and Subordinates |
| | | 4TH | Internal |
| | 4TH | 1ST | TQM concepts: Quality Policy, Quality Management, Quality system Accidents and Safety, Cause, preventive measures, General Safety Rules , |
| | | 2ND | Personal Protection Equipment(PPE) Revision |
| | | 2ND | 8. Legislation: Intellectual Property Rights(IPR), Patents, Trademarks, Copyrights Features of Factories Act 1948 with Amendment (only salient points) |
| | | 4TH | Features of Factories Act 1948 with Amendment (only salient points) |
| | | | Features of Payment of Wages Act 1936 (only salient points) |
| | JANUARY | 1ST | 1ST |
| 2ND | | | 9. Smart Technology. Concept of IOT, How IOT works |
| 2ND | | | Components of IOT, Characteristics of IOT, Categories of IOT |
| 4TH | | | Applications of IOT- Smart Cities, Smart Transportation, Smart Home |
| 2ND | | 1ST | Smart Healthcare, Smart Industry |
| | | 2ND | Smart Agriculture, Smart Energy Management et |
| | | 2ND | Revision |
| | | 4TH | Class Test-2 |
| | | 1ST | Previous Year Question Discussion |

3RD

| | |
|-----|-----------------------------------|
| 2ND | Previous Year Question Discussion |
| 2ND | Previous Year Question Discussion |
| 4TH | Previous Year Question Discussion |

HOD, Mechanical
Govt. Polytechnic Mayurbhanj

Subject Expert
Govt. Polytechnic Mayurbhanj

Academic Co-Ordinator
Govt. Polytechnic Mayurbhanj