BHUBANANANDA ODISHA SCHOOL OF ENGINEERING, CUTTACK

 DEPARTMENT OF CIVIL ENGINEERING



LESSON PLAN

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| SUBJECT: ENTREPRENEURSHIP AND MANAGEMENT & SMART TECHNOLOGY(TH 1) | ACCADEMIC SESSION: 2021-22 |
| FACULTY: MR HIMANSU BHUSAN MISHRA | SEMESTER: 5TH  |
|  | SEC: B |

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| Sd/- |
| H O D (Civil Engg.) |

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| **Discipline:** Civil Engineering | **Semester:** 5THSemester | **Name of the teaching faculty:** MR. HIMANSHU BHUSAN MISHRA |
| **Subject:** **Entrepreneurship And Management & Smart Technology** | **No. of Days/ per week class allotted: 04 period per week. (Monday-2 period, Wednessday-1 period, Saturday-1period)** | **Semester From Date: 01-10-2021 To Date: 08-01-2022****No. of weeks: 13 weeks** |
| **Week** | **Class Day** | **No of period available** | **Theory Topics** |
| 1ST | 04/10/2021 | 2 | 1.0 EntrepreneurshipConcept /Meaning of EntrepreneurshipNeed of Entrepreneurship |
| 06/10/2021 | 1 | Characteristics, Qualities and Types of entrepreneur,  |
| 09/10/2021 | 1 | Functions, Barriers in entrepreneurshipEntrepreneursvrs. Manager |
| 2ND | 23/10/2021 | 1 | Forms of Business Ownership: Sole proprietorship, partnership forms and others |
| 3RD | 25/10/2021 | 2 | Types of Industries, Concept of Start-ups Entrepreneurial support agencies at National, State, District Level( Sources): DIC, NSIC,OSIC, SIDBI, NABARD, Commercial Banks, KVIC etc. |
| 27/10/2021 | 1 | Technology Business Incubators (TBI) and Science and Technology Entrepreneur Parks2.0 Market Survey and Opportunity Identification (Business Planning) Business PlanningSSI, Ancillary Units, Tiny Units, Service sector Units |
| 30/10/2021 | 1 | Monthly Class Test |
| 4th | 01/11/2021 | 2 | Time schedule Plan, Agencies to be contacted for Project Implementation |
| 03/11/2021 | 1 | Assessment of Demand and supply and Potential areas of GrowthIdentifying Business OpportunityFinal Product selection |
| 06/11/2021 | 1 | 3.0 Project report Preparation Preliminary project reportDetailed project report |
| 5th | 08/11/2021 | 2 | Techno economic FeasibilityProject Viability |
| 10/11/2021 | 1 | 4.0 Management PrinciplesDefinitions of managementPrinciples of management |
| 13/11/2021 | 1 | Functions of management (planning, organising, staffing, directing and controlling etc.)Level of Management in an Organisation |
| 6th | 15/11/2021 | 2 | 5.0 Functional Areas of Managementa) Production management |
| 17/11/2021 | 1 | Functions, ActivitiesProductivityQuality controlProduction Planning and control |
| 20/11/2021 | 1 | b) Inventory ManagementNeed for Inventory managementModels/Techniques of Inventory management |
| 7TH  | 22/11/2021 | 2 | c) Financial Management Functions of Financial management Management of Working capital Costing (only concept) Break even Analysis |
| 24/11/2021 | 1 | Brief idea about Accounting Terminologies: Book Keeping, Journal entry, Petty Cash book, P&L Accounts, Balance Sheets(only Concepts |
| 27/11/2021 | 1 | Monthly Class Test |
| 8TH  | 29/11/2021 | 2 | d) Marketing Management Concept of Marketing and Marketing Management |
| 01/12/2021 | 1 | Internal Assessment |
| 04/12/2021 | 1 | Marketing Techniques (only concepts)Concept of 4P s (Price, Place, Product, Promotion)e) Human Resource Management Functions of Personnel Management |
| 9TH  | 06/12/2021 | 2 | Manpower Planning, Recruitment, Sources of manpower, Selection process, Method of Testing, Methods of Training & Development, Payment of Wages |
| 08/12/2021 | 1 | 6.0 Leadership and Motivationa) Leadership Definition and Need/Importance Qualities and functions of a leader Manager Vs LeaderStyle of Leadership (Autocratic, Democratic, Participative |
| 11/12/2021 | 1 | b) Motivation Definition and characteristics Importance of motivation Factors affecting motivation |
| 10TH  | 13/12/2021 | 2 | Theories of motivation (Maslow)Methods of Improving Motivation |
| 15/12/2021 | 1 | Importance of Communication in Business Types and Barriers of Communication |
| 18/12/2021 | 1 | 7.0 Work Culture, TQM & Safety Human relationship and Performance in Organization |
| 11TH  | 20/12/2021 | 2 | Relations with Peers, Superiors and SubordinatesTQM concepts: Quality Policy, Quality Management, Quality system |
| 22/12/2021 | 1 | Accidents and Safety, Cause, preventive measures, General Safety Rules , Personal Protection Equipment(PPE) |
| 12TH | 27/12/2021 | 2 | 8.0 Legislationa) Intellectual Property Rights(IPR), Patents, Trademarks, Copyrightsb) Features of Factories Act 1948 with Amendment (only salient points) |
| 29/12/2021 | 1 | Monthly Class Test |
| 01/12/2021 | 1 | c) Features of Payment of Wages Act 1936 (only salient points)9.0 Smart TechnologyConcept of IOT, How IOT worksComponents of IOT, Characteristics of IOT, Categories of IOT |
| 13TH  | 03/01/2022 | 2 | Applications of IOT- Smart Cities, Smart Transportation, Smart Home, Smart Healthcare, Smart Industry, Smart Agriculture, Smart Energy Management etc. |
| 06/01/2022 | 1 | Revision |
| 08/01/2022 | 1 | Previous Year Question Discussion |