**Lesson-Plan**

|  |  |
| --- | --- |
| **Name of Faculty** | Pawan Verma |
| **Discipline** | Electronics & Communication Engineering |
| **Semester** | 4th & 6th |
| **Subject** | MOOCS Elective (E-COMMERCE Technologies) and Minor/Major Project |
| **Week** | **Day** | **Theory Topic/ Assignment/ Test** | **No.** | **Practical** |
| 1st | 1 | Introduction to ELECTRONIC COMMERCE (E-Commerce) | 1 | Introduction about the scope and importance of Minor/Major Project |
| 2 | Categories and Frame-work of E-Commerce |
| 2nd | 3 | Advantages & Disadvantages of E-Commerce, Types of E-Commerce | 2 | Preparation the synopsis of the selected Minor/Major Project |
| 4 | Threats and Features of E-Commerce  |
| 3rd | 5 | Concept of Business Model of E-Commerce and E-Governance | 3 | Review on the submitted synopsis of the selected Minor/Major Project |
| 6 | Different Types of Networking For E-Commerce: Concept of Internet with its applications |
| 4th | 7 | Concept of Wireless Application Protocol | 4 | Asking to student for a brief presentation on their selected Minor/Major Project |
| 8 | Anatomy of Convergence: Technological Convergence |
| 5th | 9 | Technology Implications and Collaborative Product Development | 5 | Works on selected Schematic Capture of PCB |
| 10 | Concept of Content Management System, Web Traffic and Content Marketing |
| 6th | 1 | Concept of Supply Chain Management: Introduction, Features and Components, Advantages and Disadvantages | 6 | [Create a Blank PCB Layout](https://resources.altium.com/p/10-easy-steps-comprehensively-designing-circuit-board-altium-designer#step-2) |
| 2 | Introduction about E-Payment Systems, Types of E-Payment Systems |
| 7th | 1 | E-cash System and Electronic Checks | 7 | 1. [Designing PCB Stack-up](https://resources.altium.com/p/10-easy-steps-comprehensively-designing-circuit-board-altium-designer#step-4)
 |
| 2 | Concept of Smart Cards & Electronic Payment Systems |
| 8th | 1 | Discussion of Electronic Payments Issues | 8 | Implement the Etching process for designing of PCB |
| 2 | Introduction of Electronic Data Interchange(EDI) |
| 9th | 1 | Layered Architecture of EDI and its Applications | 9 | Placing the components on PCB |
|  | 2 | Concept of EDI Protocols |  |  |
|  | 1 | Discussion about E-Marketing and Tele-Marketing |  |  |
| 10th | 2 | Security Threats of E-Commerce | 10 | Placing the components on PCB |
| 11th | 1 | Security Requirements of E-Commerce | 11 | Testing the PCB accordingly to designed project  |
|  | 2 | Security Policies for E-Commerce |  |  |
|  | 1 | Concept of Enterprise Resource Planning (ERP) |  | 1.Submission of Minor/Major Project |
| 12th | 2 | Functional areas and Benefits of ERP | 12 |  |
| 13th | 1 | Business Modules in ERP: Finance, Investment Management, Plant Maintenance | 13 | 1. Viva-Voice on submitted Minor/Major Project
 |
| 2 | Business Modules in ERP: Quality Management, Materials Management  |
| 14th | 1 | Introduction of Enterprise application integration (EAI) | 14 |  Viva-Voice on submitted Minor/Major Project |
|  | 2 | Advantages and Disadvantages of EAI |  |  |