**PG.GOVT COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH**

**Teaching Plan Even Semester**

**Session (2018-19)**

**Class: BSc VI Sem Name of the Teacher: Ramninder Kaur**

**Subject: Computer Science(E) Period : V**

**Paper: E-Commerce & Web Programming Room No : 318**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Dates** | **Topics to be covered** |
| Week 1 | 14 /01/2019 – 19/01/2019 | Basic Terminology :Web Server; Web Browser, Understanding Communication between a Browser and Web Server, Webpage, Website, Static Website, Dynamic Website, Internet, Intranet, Extranet, WWW and URL. |
| Week 2 | 21/01/2019 –  25/01/2019 | HTML : HTML Program Structure, Paragraph Breaks, Line Breaks; Emphasizing Text: Heading Styles, Drawing Lines; Text Styles :Bold, Italics, Underline; and other Text Effects.  E-Commerce: Introduction, History, Motivation for E-Commerce, Types of Ecommerce, Advantages, Limitations of E-Commerce |
| Week 3 | 28/01/2019 –  2/02/2019 | Centering of text and images etc; Lists: Unordered List, Ordered Lists, Definition lists.  E-Commerce applications: Business-to-consumer, Business-to-Business, Consumer-to-Business, Consumer-to-Consumer, Business-within-Business. |
| Week 4 | 4/02/2019 –  9/02/2019 | Adding Graphics to HTML Documents using the Border, Width, Height and Align; Tables: Caption Tag, Width, Border, Cell padding, Cell spacing, BGCOLOR, COLSPAN and ROWSPAN Attributes. |
| Week 5 | 11/02/2019 –  16/02/2019 | Linking Documents: Anchor tag, External Document References, Internal Document References and Image Maps  Frames: Introduction to Frames: The <FRAMESET> tag, The <FRAME> tag, Targeting Named Frames |
| Week 6 | 18/02/2019 –  23/02/2019 | Internet and www: Introduction, History, Benefits of www, Internet Service Providers, Web and Electronic commerce, Web architecture and its components, Interactive web applications, Web and database integration, Web software development tools, Search engines. |
| Week 7 | 25/02/2019 –  02/03/2019 | DHTML: Introduction to Cascading Style Sheets (CSS), Style tag, Link tag, Types of CSS: In-Line, Internal, External; Forms: Attributes of Form element: Input element, Text Element, Password, Button, Submit Button, Reset Button, Checkbox, Radio, Text Area, Select and Option. |
| Mid Semester Exam | | |
| Week 8 | 11/03/2019 –  16/03/2019 | Website designing and hosting: Life cycle of website building, Website content and traffic management, Working of ISPs, Choosing an ISP, Choosing and registering a domain name. |
| Week 9 | 18 /03/2019 –  22/03/2019 | Implementation and Maintenance of E-Commerce: Implementation strategies, Maintenance strategies, Legal and Ethical issues in E-commerce. |
| Week 10 | 25/03/2019 –  30/03/2019 | JavaScript:  Introduction and Features of JavaScript, Writing JavaScript into HTML, Tokens, Data Types, Variables, Operators, Control Constructs, Strings Arrays, Functions, Document Object Model, |
| Week 11 | 1/04/2019 –  6/04/2019 | Payment Systems :From Barter to money, Requirements of Internet-based payments, Electronic payment media : Credit cards, Debit cards, Smart cards, e-wallets, Issues and implications of payment systems, Latest trends in payment systems. Marketing on the Internet: Internet marketing techniques and cycles, Attracting and Tracking customers, Pros and cons of online marketing. |
| Week 12 | 8/04/2019 –  12/04/2019 | CoreLanguage Objects,Client Side Objects, Event Handling, Applications related to client side form validation, Built-In Objects in JavaScript: String Object, Math Object, Date Object  Firewalls and Network Security:Types of firewall, Gateways, Proxy Servers and itsadvantages and disadvantages |
| Week 13 | 15/04/2019 –  20/04/2019 | Introduction to PHP :PHP Installation and Configuration; Naming files,  Comments,Variables, Operators, Arrays, Flow Control Structures. |
| Week 14 | 22/04/2019 –  27/04/2019 | More language basics; User-defined functions; Input validation, Working withMathematical,String, Date and Time functions  Revision of Paper B: Web programming |
| Week 15 | 29 /04/2019 –  3/05/2019 | Transaction Security: Types of transaction, Requirements for transaction, Encryption: asymmetric and symmetric encryption; Digital signatures, Digital certificates, Implementation and management issues.  Revision of paper A:E Commerce |