**GOVT. P.G. COLLEGE FOR WOMEN, SECTOR-14, PANCHKULA**

**LESSON-PLAN (Session 2024-25) EVEN SEMESTER**

**Name of Teacher: ANITA YADAV**

**Designation: Extension Lecturer**

**Class: BCA-I Year ( 2nd Semester)**

**Subject/ Paper: Web Technology**

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| **S. No.** | **Month** | **Topics to be covered** | **Teaching Learning Strategy** | **Learning Outcomes of Students** | **Remarks** |
| **1.** | **February** | Introduction to Internet and World Wide Web (WWW); Evolution and History of World Wide Web, Web Pages and Contents, Web Clients, Web Servers, Web Browsers; Hypertext Transfer Protocol, URLs; Searching, Search Engines and Search Tools. | **Outlining** | **Student will be able to learn Basic Concepts of world wide web** | **Oral Discussion** |
| **2.** | **March** | Web Publishing: Hosting website; Internet Service Provider; Planning and designing website; Web Graphics Design, Steps For Developing website.  Creating a Website and Introduction to Markup Languages (HTML and DHTML), HTML Document Features & Fundamentals, HTML Elements, Creating Links; Headers; Text styles; Text Structuring; Text color and Background; Formatting text; Page layouts, Images; Ordered and Unordered lists; Inserting Graphics. | **Group**  **discussion** | **Students will be able to create HTML Pages** | **Assignment-1** |
| **3.** | **April** | Table Creation and Layouts; Frame Creation and Layouts; Working with Forms and Menus; Working with Radio Buttons; Check Boxes; Text Boxes, HTML5 Introduction to CSS (Cascading Style Sheets): Features, Core Syntax, Types, Style Sheets and HTML, Style Rule Cascading and Inheritance, Text Properties, CSS Box Model, Normal Flow Box Layout, Positioning, and other useful Style Properties; Features of CSS3. | **Questioning** | **Students will be able to learn about CSS** | **Class Test** |
| **4.** | **May** | The Nature of JavaScript: Evolution of Scripting Languages, JavaScript-Definition, Programming for Non-Programmers, Introduction to Client–Side Programming, Enhancing HTML Documents with JavaScript. Static and Dynamic web pages | **Make them to explain their understanding about the topic to other student** | **Student will learn about Java Script** | **Assignment-2** |

**Signature of Teacher Principal**

**GOVT. P.G. COLLEGE FOR WOMEN, SECTOR-14, PANCHKULA**

**LESSON-PLAN (Session 2024-25) EVENSEMESTER**

**Name of Teacher** :Mr. Pardeep Kumar

**Designation :**Assistant Professor

**Class :**BCA 2ndSem

**Subject/ Paper :**Concepts of Operating Systems

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| **S. No.** | **Month** | **Topics to be covered** | **Teaching Learning Strategy** | **Learning Outcomes of Students** |
| **1.** | **February** | Introduction to OS and types.  Process Management | **Active Learning** | understand the basic concepts of operating systems and their services along with process management. |
| **2.** | **March** | CPU Scheduling and Deadlocks. | **Hands on activities in Laboratories** | understand the concept of process scheduling and acquire knowledge of process synchronization. |
| **3.** | **April** | Memory Management Strategies, Paging and Segmentation. Virtual Memory. | **Hands on activities in Laboratories** | memory management |
| **4.** | **May** | File Management and Disk Scheduling . | **Hands on activities in Laboratories** | directory structure and security aspects. |

* **Seminar/Presentation/Assignment/Quiz/Class Test /Mid-Term Exam will be taken as per schedule.**

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**GOVT. P.G. COLLEGE FOR WOMEN, SECTOR-14, PANCHKULA**

**LESSON-PLAN (Session 2024-25) EVENSEMESTER**

**Name of Teacher** :Mr. Pardeep Kumar

**Designation :**Assistant Professor

**Class :**BCA 2ndSem

**Subject/ Paper :**Object Oriented Programming using C++

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| **S. No.** | **Month** | **Topics to be covered** | **Teaching Learning Strategy** | **Learning Outcomes of Students** |
| **1.** | **February** | Object Oriented concepts. Input/Output in C++ | **Active Learning** | learntheinput/outputstatements and functions in C++. |
| **2.** | **March** | Functions and Classes | **Hands on activities in Laboratories** | Implementation of OOP concepts. |
| **3.** | **April** | Constructors and destructors, Operator Overloading | **Hands on activities in Laboratories** | get familiar with OOPS concepts along with constructors and destructors in C++ language. |
| **4.** | **May** | Inheritance and Exception Handling | **Hands on activities in Laboratories** | Code reusability |

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**Signature of Teacher Principal**

**GOVT. P.G. COLLEGE FOR WOMEN, SECTOR-14, PANCHKULA**

**LESSON-PLAN (Session 2024-25) EVEN SEMESTER**

**Name of Teacher**: **Pooja Girotra**

**Designation: Extension Lecturer**

**Class: BCA IInd Sem**

**Subject/ Paper: Mathematical Foundations for Computer Science-II**

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| **S. No.** | **Month** | **Topics to be covered** | **Teaching Learning Strategy** | **Learning Outcomes of Students** | **Remarks** |
| **1.** | **February** | Integration of simple algebraic, trigonometric, and exponential functions. Presentation of data: Frequency distribution and cumulative frequency distribution, Diagrammatic and graphical presentation of data, Construction of bar, Pie diagrams, Histograms, Frequency polygon, Frequency curve, and Ogives.. | 1. **Learning through Problem Solving** 2. **Group-Learning & Teaching** | Understand the concept of integration. |  |
| **2.** | **March** | Measures of central tendency: Arithmetic mean, Median, Mode, Geometric mean, and Harmonic mean for ungrouped and grouped data. Measures of dispersion: Concept of dispersion, Mean deviation and its coefficient, Range, Variance and its coefficient, Standard deviation. | 1. **Learning through Problem Solving** 2. **Group-Learning & Teaching** | Acquire cognitive and technical knowledge about a variety of methods of representation of statistical data |  |
| **3.** | **April** | Correlation: Concept and types of correlation, Methods of finding correlation: Scatter diagram, Karl Pearson’s coefficients of correlation, Rank correlation. | 1. **Learning through Problem Solving** 2. **Group-Learning & Teaching** | Understand methods of measure of central tendency. Analyze the problem and apply the best measure of central tendency to draw inferences from the available data. |  |
| **4.** | **May** | Linear regression: Principle of least square, Fitting of a straight line, Two lines of regression, Regression coefficients. | 1. **Learning through Problem Solving** 2. **Group-Learning & Teaching** | Understand the concept of correlation, and correlation methods and conclude about the type of correlation for the available data. Comprehend the skills of curve fitting. |  |

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