Post Graduate Government College, Sector-46, Chandigarh

Weekly Teaching Schedule (2024-25), Department of Computer Applications

Class BCA 1ˢᵗ Semester   **Subject Ecommerce**

Week	Period		Topics to be covered
	From	**To**	
1	15.07.2024	20.07.2024	Definitions: E-commerce, E-business, difference between E-commerce and Ebusiness, Problems with Traditional business systems, Aims of E-commerce
2	22.07.2024	27.07.2024	Types of E-commerce: B2B, B2C, C2C, B2G, G2H, G2C, Operational & Strategic benefits of E-commerce, Issues & Challenges in E-commerce.
3	29.07.2024	03.08.2024	Electronic Data Interchange (EDI): Definition; Traditional versus EDI enabled system for document exchange; Components of EDI
4	05.08.2024	10.08.2024	EDI Standards, EDI Software, Communication Networks; EDI Message Structure; EDI Notification Structure
5	12.08.2024	24.08.2024	EDI in India; EDI enabled procurement process; Benefits of EDI: Direct Benefits, Strategic Benefits; EDI Implementation issues; Legal Aspects
6	26.08.2024	31.08.2024	Web based E-Commerce: Definition; Need for web based business, Steps in setting up business on Internet: Selection & registration of domain name
7	02.09.2024	07.09.2024	Website development : Planning a website, Steps for creating a website, Elements of a webpage, web authoring tools, Hosting a website: Website hosting considerations.
8	09.09.2024	14.09.2024	Online Promotion tools & techniques: Getting links to your site, banner advertisements & measuring advertisement effectiveness
9	16.09.2024	23.09.2024	Web Traffic Analysis: Hits, View pages, Visits and Other web-reporting tools, various measures, What is Search Engine optimization
10	24.09.2024 to 01.10.2024 (Tentative Dates for MST)		
11	04.10.2024	12.10.2024	Electronic Payment Systems: E-cash: Purchasing & using of e-cash; Electronic Purses their loading with cash and use; E-cheque payment system
12	14.10.2024	19.10.2024	Online Third Party Verified Payment System through Credit & Debit Cards
13	21.10.2024	26.10.2024	ATM based cash disbursement system; Electronic Bill Payment System; Inter bank clearing system
14	28.10.2024	02.11.2024	Mobile Commerce: Definition, Benefits of Mobile Commerce, Issues in Mobile Commerce, Mobile Commerce Framework
15	04.11.2024	09.11.2024	Applications of E-Commerce & Case Studies: Applications of e-commerce, Case studies in Retailing, Banking and e-governance;
16	11.11.2024	16.11.2024	,Cyber Crimes: Types, Cyber Forensics, Cyber crimes and IT Act - 2000.

Signature of the Subject Teacher

Post Graduate Government College, Sector-46, Chandigarh

Weekly Teaching Schedule (2024-25), Department of Computer Applications

Class- BCA 5th Semester   **Subject: Java Programming**

Week	Period		Topics to be covered
	From	**To**	
1	15.07.2024	20.07.2024	Java and the Internet: The Java programming language and its characteristics; Java development kit, Java run- time environment; Java compiler Fundamentals of Java: Java Vs. C++, Byte Code, Java Virtual Machine
2	22.07.2024	27.07.2024	Constants, variables, data types, operators, expressions, control structures, defining class, creating objects, accessing class members
3	29.07.2024	03.08.2024	Constructors, Garbage Collection, method overloading, Inheritance: Different types of Inheritance, member access, using super keyword to call super class constructors
4	05.08.2024	10.08.2024	Creating a multilevel hierarchy, method overriding, dynamic method dispatch, using abstract classes, using Final keyword. I/O Basics: streams, the predefined streams; Reading console Input, Writing console Output
5	12.08.2024	24.08.2024	Arrays and Strings: One-dimensional and twodimensional Arrays, String Handling using String and StringBuffer class, String Functions.
6	26.08.2024	31.08.2024	Packages: Types of packages, defining a package, Importing package, Access protection Interfaces,Defining an Interface, Implementing Interfaces,
7	02.09.2024	07.09.2024	Variables in Interfaces,Achieving multiple inheritance using interfaces Interface and Abstract classes, Exception Handling: Java Exception handling model, Types of exception
8	09.09.2024	14.09.2024	Using Try and catch, Multiple Try and Catch clauses, Nested Try statements, finally block, user defined exceptions, Creating Multiple Threads, Thread Priorities, Synchronizations: Methods
9	16.09.2024	23.09.2024	Statements,Inter Thread Communication, Deadlock, Suspending, Resuming and Stopping Threads.
10	**24.09.2024 to 01.10.2024 (Tentative Dates for MST)**		
11	04.10.2024	12.10.2024	Applet Programming: Introduction, Types of applet, Life Cycle, Incorporating an applet into web page using Applet Tag,
12	14.10.2024	19.10.2024	Running applets,Using Graphics class and its methods to draw lines, rectangles, circles
13	21.10.2024	26.10.2024	Ellipses, arcs and polygons.Using AWT controls: Introduction FlowLayout, BorderLayout
14	28.10.2024	02.11.2024	GridLayout Introduction to Event handling using Delegation Event Model.. ion to AWT, Creating GUI Applications using AWT
15	04.11.2024	09.11.2024	Java.SQL package, Connecting to the Databaseperforming basic database operation like Insert,
16	11.11.2024	16.11.2024	Delete, Update and Select

Signature of the Subject Teacher