TEACHING PLAN 2025-26 (ODD SEMESTER)

(August 2025 to November 2025)

MDC-1, Course Name - Fundamentals of Computing, Course Code - 24CSCX01MD01

(B.Com. 1st Semester)

Name : Ravinder Singh **Department: COMPUTER SCIENCE**

Month	1st Week	2nd Week	3rd Week	4th Week
August	**(Unit-1):** Historical evolution of computing, Computers and their classification;	Working of a computer; Block Diagram and its components, Characteristics, Benefits and Limitations of Computers.	Human being Vs. Computer. Computer Codes and their types, Introduction to I/O concepts, Hardcopy and Softcopy Devices; Keyboards, mouse, joysticks, trackballs	Digitizer, voice-recognition, optical-recognition, scanners, terminals, point-of-sale terminals, machine-vision systems, Printer & its types.
September	**(Unit-2):** Characteristics of memory systems, types of memory, RAM, ROM, magnetic disks-floppy disk, hard-disk; optical disks;	Magnetic tapes; Concepts of Virtual and Cache memory, Software and its types, Language translators,	Operating System and its Functions, Measuring System Performance, Assemblers, Compilers and Interpreters. Batch Processing, Multiprogramming, Multi-tasking, Multiprocessing, Time Sharing, DOS, Windows, Unix /Linux.	**(Unit-3):** Concept of problem solving, Problem definition, Programming Languages and their classification, Problem solving with computer,
October	Concept of a programming and design techniques, computer program lifecycle and program development process.	Data Communication: Introduction, forms of data transmission, modem and its types, communication channels, data transmission modes	Diwali vacations	Computer Networks: Introduction to Computer Network, types of Computer Network, Network Topologies, Network Protocols, Applications of Computer Networks.

November	**(Unit-4):** Introduction to Internet, WWW, Web Browsers, Evolution of Internet, Applications of Internet, Connecting to Internet, Internet tools.	Introduction to E-mail, Setting Up an E-mail Account, Composing and Sending E-mails, E-mail Etiquette and Best Practices, Managing E-mails, Security and Privacy, Advanced E-mail Features, E-mail in Professional Settings, Troubleshooting Common E-mail Issues	Computer applications in Artificial Intelligence, Banking, Education, Marketing, Desktop publishing, CAD/CAM, Project Management, Military, Sports, Research & Development.	Revision

TEACHING PLAN 2025-26 (ODD SEMESTER)

(August 2025 to November 2025)

MDC-3, Course Name - Web Designing, Course Code - 25CSCX03MD01

(B.Com. 3rd Semester)

Name : Ravinder Singh **Department: COMPUTER SCIENCE**

Month	1st Week	2nd Week	3rd Week	4th Week
August	**(Unit-1):** Concept of Web Design; Web Servers;	Hypertext Transfer Protocol, URLs; Searching and Web Casting Techniques; Search Engines and Search Tools,	Domain Name System, Home Page, Web page and Website.	**(Unit-2):** Hosting your Site; Internet Service Provider; Phases of Planning and designing your Website;
September	Steps for developing your Site; Choosing the contents; Introduction to HTML	Hypertext and HTML; HTML Document Features; HTML command Tags; Headers;	Text styles; Text Structuring; Text colors and Background; Formatting text.	**(Unit-3):** Definition and types of Lists - Ordered and Unordered, Table Creation and Layouts.
October	Images; Inserting Graphics; Frame Creation and Layouts; Creating Links;	Working with Forms and Menus; Working with Radio Buttons and Check Boxes; Text Boxes; Page layouts.	Diwali vacations	**(Unit-4):** Cascading Style Sheets (CSS): Basic Concepts, Properties, Creation of Style Sheets.
November	Common Tasks with CSS: Text, Fonts, Margins, Links, Tables, Colors. Marquee. Mouse Overs. Filters and Transitions, Adding Links.	Adding Tables. Adding Forms. Adding Image and Sound. Use of CSS in HTML Documents, Linking and Embedding of CSS in HTML.	Revision	Revision

TEACHING PLAN 2025-26 (ODD SEMESTER)

(August 2025 to November 2025)

MIC-1, Course Name - Fundamentals of Computing and Problem Solving Using C, Course Code - 24CSC401MI01

(B.Sc. 1st Semester)

Name : Ravinder Singh **Department: COMPUTER SCIENCE**

Month	1st Week	2nd Week	3rd Week	4th Week
August	**(Unit-1):** Overview of computing principles and history, Generations of Computers	Block Diagram along with its components, Classification of computers, Applications of computers in various fields. Input/ Output Devices	Memory: Concept of primary & secondary memory, Cache Memory, Secondary storage devices. Introduction to computer networking,	Network types, Network topologies, Internet and its applications; Operating system and its functions.
September	**(Unit-2):** Basics of algorithmic thinking and problem-solving strategies. Planning the Computer Program: Problem definition, Program design,	Debugging, Types of errors in programming, Techniques of Problem Solving-Flowcharting, Algorithms, History of C, Importance of C	Elements of C: C character set, identifiers and keywords, Data types, Constants and Variables, Assignment statement, Symbolic constant, Structure of a C Program, printf(), scanf()Functions	Operators & Expression, type casting and conversion, operator hierarchy & associativity
October	**(Unit-3):** Decision making with IF statement, IF-ELSE statement, Nested IF statement, ELSE-IF ladder, switch statement, go to statement.	Looping: while, do-while and for loop, jumps in loops, break, continue statement, Nested loops.	Diwali vacations	Standard Mathematical functions, Input/output: Unformatted & formatted I/O function in C, Input functions, output functions, string manipulation functions. User defined functions: Introduction/Definition, function prototype,
November	Local and global variables, passing parameters, recursion. **(Unit-4):** Definition, types, initialization, processing an array, passing arrays to functions declaration and initialization of string,	Advance Concepts of C Programming: Pointers and memory management in C; File input/output operations in C; Dynamic memory allocation and deallocation.	Algorithmic problem-solving using C programming constructs; Design and implementation of C programs; Debugging and testing techniques for C programs; Best practices and coding standards in C programming.	Revision

	Input/output of string data, Introduction to pointers.			

TEACHING PLAN 2025-26 (ODD SEMESTER)

(August 2025 to November 2025)

MIC-2, Course Name - Internet and Web Design, Course Code - 24CSC402MI01

(B.Sc. 3rd Semester)

Name : Ravinder Singh **Department: COMPUTER SCIENCE**

Month	1st Week	2nd Week	3rd Week	4th Week
August	**(Unit-1):** A brief Introduction to the Internet, Evolution of World Wide Web; Basic features;	Web Browsers; Web Servers; Hypertext Transfer Protocol, URLs; Searching and Web-Casting Techniques;	Search Engines and Search Tools, Domain Name System, Home Page, Web page and Website.	**(Unit-2):** Hosting your Site; Internet Service Provider; Phases of Planning and designing your Website;
September	Steps for developing your Site; Choosing the contents; Introduction to HTML	Hypertext and HTML; HTML Document Features; HTML command Tags; Headers;	Text styles; Text Structuring; Text colors and Background; Formatting text.	**(Unit-3):** Definition and types of Lists - Ordered and Unordered, Table Creation and Layouts.
October	Images; Inserting Graphics; Frame Creation and Layouts; Creating Links;	Working with Forms and Menus; Working with Radio Buttons and Check Boxes; Text Boxes; Page layouts.	Diwali vacations	**(Unit-4):** Cascading Style Sheets (CSS): Basic Concepts, Properties, Creation of Style Sheets.
November	Common Tasks with CSS: Text, Fonts, Margins, Links, Tables, Colors. Marquee. Mouse Overs. Filters and Transitions, Adding Links.	Adding Tables. Adding Forms. Adding Image and Sound. Use of CSS in HTML Documents, Linking and Embedding of CSS in HTML.	Revision	Revision