

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24 (Even 2th Semester) Computer Science

Mohit (Assistant Professor) BSc (C++)

Feb	
Week 2	Introduction to C++: About C++, Character Set, Keywords, Identifiers, Constants, Punctuators,
Week 3	Date Types: User-Defined, Built-in, Derived Data Types, Access Modifiers.
Week 4	Unformatted and Formatted I/O Operations. I/O using extraction and extraction operators,
Week 5	Type Conversion, Type Casting. Operators in C++: Arithmetic, Relational, Logical, Bitwise, Ternary, Precedence & associativity of Operators.
March	
Week 1	Control Structures: if statement, if-else statement, nested if, if-else-if ladder, switch...case statement, break and continue, goto statement, nested switch...case statement,
Week 2	Loops: while loop, do...while loop, for loop. Arrays and strings: Array definition, initialization multidimensional arrays, Manipulation of array elements, String declaration and initialization, Manipulations, String handing functions
Week 3	Functions: Declaration and Definition, return values, arguments, passing parameters by value, call by reference, call by pointer, Recursions,
Week 4	Inline and external linkage Functions, storage classes. Object-Oriented Features of C++: Class and Objects, Data hiding & encapsulation, abstraction, constructors & destructors.
Week 5	Data Members and Member Functions, accessing class members, empty class, local class, global class, Scope Resolution Operator and its Uses, Static Data Members, Static Member Functions, Structure vs Class.
April	
Week 1	Object Initialization and Cleanup: Constructors, types of constructors, destructors, constant objects and constructors. Friend Function & Class: defining friend function and friend class, defining member function of a class as friend function.
Week 2	Exception Handling in C++: exception handling model, exception handling constructs - try, throw, catch, Order of catch blocks,
Week 3	Catching all exceptions, Nested try blocks, handling uncaught exceptions, unexpected(), terminate() and standard exceptions.
Week 4	Revision, Assignment and Test

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Week Wise Lesson Plan 2023-24 (Even 6th Semester) Computer Science

Mohit (Assistant Professor) BCA(IHP)

	Feb
Week 1	Finding the problem
Week 2	Analysing Problem and Feasibility Study
Week 3	Approval or reconsideration
Week 4	Design
	March
Week 1	Algorithm ,Flow Chart
Week 2	Data Flow Diagram
Week 3	Language Selection Front End and Back End
Week 4	Coding
Week 5	Testing
	April
Week 1	Maintenance
Week 2	Preparation of File
Week 3	Seminar
Week 4	Submission

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2022-23 (Even 6th Semester) Computer Science

Mohit (Assistant Professor) BCA(IHP)

	April
Week 1	Finding the problem
Week 2	Analysing Problem and Feasibility Study
Week 3	Approval or reconsideration
Week 4	Design
	May
Week 1	Algorithm ,Flow Chart
Week 2	Data Flow Diagram
Week 3	Language Selection Front End and Back End
Week 4	Coding
Week 5	Testing
	June
Week 1	Maintenance
Week 2	Preparation of File
Week 3	Seminar
Week 4	Submission

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2021-22 (Even 6th Semester) Computer Science

Mohit (Assistant Professor) BCA(IHP)

	April
Week 1	Finding the problem
Week 2	Analysing Problem and Feasibility Study
Week 3	Approval or reconsideration
Week 4	Design
	May
Week 1	Algorithm ,Flow Chart
Week 2	Data Flow Diagram
Week 3	Language Selection Front End and Back End
Week 4	Coding
Week 5	Testing
	June
Week 1	Maintenance
Week 2	Preparation of File
Week 3	Seminar
Week 4	Submission

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24 (Even 4th Semester) Computer Science

Mohit (Assistant Professor) BCA(Java)

	Feb
Week 2	Introduction: Java Features, Java Virtual Machine(JVM), Byte code, Java API, Java Development Kit (JDK), Garbage Collection. Language Basics: Keywords, Constants, Variables and Data Types, Operators and Expressions, Decision Making, Branching and Looping.
Week 3	Introducing Classes, Objects and Methods: Defining a Class, Methods Declaration, Creating Objects and accessing Class members, Constructors,
Week 4	Methods Overloading, Wrapper Classes, Inheritance, Methods Overriding, Final Class, variables and methods, Abstract Class and Methods, Interfaces.
Week 5	Arrays, Strings and Vectors: Creating and using Arrays, String operations, String Buffer, String Builder, and StringTokenizer class, Vector class.
	March
Week 1	Packages and Exceptions: Java API packages, Creating and using

	packages, static import,
Week 2	Exceptions handling, Types of Exceptions, multiple catch statements, throw and, throws using finally' statement, Creating your own exceptions
Week 3	Multithreaded Programming: Single threaded and multi-threaded program, Creating threads using
Week 4	Thread class. Life cycle of a Thread, Stopping and blocking a Tread, getting and setting the Thread Priority, Synchronization, implementing the Runnable interface
Week 5	Managing Input/Output Streams: Concept of streams, Byte and Character streams, Reading and Writing from Console and Files. Input output exceptions.
	April
Week 1	Applet Programming: How Applets differs from Java Application, Applet Life Cycle, APPLET Tag. Running an Applet, Passing Parameters to Applet.
Week 2	Event Handling: Mechanism, The Delegation Event Model, Event Classes, Event Listener Interfaces, Adapter and inner classes
Week 3	GUI Programming: Working with Frame Window, Graphics and Text, AWT Controls and classes
Week 4	Revision, Assignment and Test

K.M.Govt. College Narwana Jind

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Mohit (Assistant Professor) BCA(C++)

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