K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24 (Odd Ist Semester) Computer Science

Mohit(Assistant Professor) BCA (C)

	October
Week 1	Introduction to C: C Character set, Tokens
Week 2	keywords and identifiers, constants, variables
	November
Week 3	Data types and pre-processors
Week 4	C Operators: Arithmetic, relational, logical, birwise, unary,
Week 5	Assignment and conditional operators and their hierarchy. Input/Output
	December
Week 1	Statements in C: format specifier, getch, getchar, getche, gets and puts.
Week 2	Formatted input and output using scanf and printf statements
Week 3	Control Statements: Types of control statements, if-else, nested if-else,
Week 4	else-if ladder, switch statement, conditional control statement
Week 5	loops for, while and do while, break, continue and go to.
	January
Week 1	Functions: Library Functions. User Defined Functions,
Week 2	Functions with and without Return Value
Week 3	Functions with and without parameter passing,
Week 4	Parameter Passing: Call by Value, Call by Refernce. Recursion.
Week 5	Enumeration, Structure and Union, Use of Enumerators in Programing
	February
Week 1	Pointers Pointer to a Variable, Pointer to function, Pointer to Structure
Week 2	Test and Revision

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24 (Odd Ist Semester) C Lab

Mohit(Assistant Professor) BCA (C Lab)

	September
Week 4	Program 1
Week 5	Program 2
	October
Week 1	Program 3
Week 2	Program 4

Week 3	Program 5
Week 4	Program 6
	November
Week 1	Program 7
Week 2	Program 8
Week 3	Program 9
Week 4	Program 10
Week 5	Program 11
	December
Week 1	Program 12
Week 2	Program 13
Week 3	Program 14
Week 4	Program 15
	January
Week 1	Program 16
Week 2	Program 17
Week 3	Program 18
Week 4	Program 19
	February
Week 1	Program 20

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24(Odd 3rd Semester) Computer Science

Mohit(Assistant Professor) BCA (C++)

	November
Week 1	Structure of C++ program: Data-types, ,
Week 2	Variables, Static Variables, Operators in C++
Week 3	Arrays, Strings, Structure, Functions, Recursion, Control Statements
Week 4	Introduction to Class: Class Definition, Classes and Objects, Access Specifiers:
Week 5	Private, Public and Protected, Member functions of the class,
	December
Week 1	Constructor and Destructor, Parameterized Constructor, Copy Constructors.
Week 2	Inheritance: Reusability, Types of Inheritance: Single inheritance, Multiple, Multilevel, Hybrid Inheritance
Week 3	Public, Private, and Protected Derivations
Week 4	Using derived class, Constructor and destructor in derived class
Week 5	Object initialization and conversion, Nested classes(Container classes), Virtual Inheritance and Virtual base class.
	January
Week 1	Polymorphism: Function Overloading, Static Class Members, Static Member Functions, Friend Functions, Operator Overloading
Week 2	:Unary and Binary Operator Overloading. Abstract class,
Week 3	Virtual function, Pure virtual function, Overloading vs. Overriding. Memory management: new, delete, object Creation at Run Time, This Pointer. Exception handling: Throwing, Catching,
Week 4	Re- throwing an exception, specifying exceptions, processing unexpected exceptions, Exceptions when handling exceptions, resource capture and release.
Week 5	Templates: Introduction, Class templates and Function templates, Overloading of template function, namespaces. Introduction to STL:
	February
Week 1	Standard Template Library: benefits of STL, containers, adapters, iterator, vector, list.
Week 2	Test and Revision

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24(Odd 3rd Semester) C Lab

Mohit(Assistant Professor) BCA (C++ Lab)

	Septeember
Week 4	Program 1
Week 5	Program 2

	October
Week 1	Program 3
Week 2	Program 4
Week 3	Program 5
Week 4	Program 6
	November
Week 1	Program 7
Week 2	Program 8
Week 3	Program 9
Week 4	Program 10
Week 5	Program 11
	December
Week 1	Program 12
Week 2	Program 13
Week 3	Program 14
Week 4	Program 15
	January
Week 1	Program 16
Week 2	Program 17
Week 3	Program 18
Week 4	Program 19
	February

K.M.Govt. College Narwana Jind

Week Wise Lesson Plan 2023-24(Odd 5th Semester Cloud

Mohit(Assistant Professor) BCA (Cloud)

	Septeember
Week 4	Introduction, Layers and Types of Cloud, Features of Cloud, Infrastructure as a Service, Platform as a Service, Software as a Service.
Week 5	Broad Approaches of Migrating to a Cloud, Seven Step Model of Migration into a Cloud
	October
Week 1	The Onset of Knowledge Era, Evolution of SaaS, Challenges of SaaS Paradigm, Approaching
Week 2	the SaaS integration Enigma, New Integration Scenarios, Integration Methodologies, SaaS
Week 3	Integration Products and Platforms, SaaS Integration Services, Business to Business Integration
Week 4	Services. Issues of Enterprise Applications on Cloud, Transition Challenges, Enterprise Cloud Technology and Market Evolution,
	November
Week 1	Business Drivers towards marketplace for Enterprise Cloud Computing. Cloud Supply Chain
Week 2	Virtual Machine, Provisioning and Manageability, Virtual Machine Migration Services, Anatomy of Cloud Infrastructure,
Week 3	Distributed Management of Virtual Infrastructure,
Week 4	Scheduling Techniques of,
Week 5	Advanced Reservation of Capacity
	December
Week 1	Capacity Management to meet SLA Commitments.
Week 2	Logical Design of Cluster as a Service, Cloud Storage from LAN to WAN,
Week 3	Technologies for Data Security in Cloud.

Week 4	Integration of Private and Public Cloud,
	January
Week 1	Resource Provisioning Service
Week 2	Hybrid Cloud Implementation,
Week 3	Importance rtance of Quality and Security in
Week 4	Business Ready Dynamic Data Centre, Dynamic ICT Services
	February
Week 1	Workflow Management System and Clouds, Utilizing Clouds for Workflow Execution