

HTML/CSS
Introduction to HTML
HTML Elements
Image ,Div,List Tags
Hyperlink
Forms
Table
Semantic tags
Semantic tags
CLASS TEST
Introduction to CSS
Box model
Flex
Flex
Positioning
Psuedo selector
Psuedo selector
Grid
Grid
Doubt session
Animation
Animation
Media query
SPA Project Presentation
Introduction(SCSS)
Sass Installation
Sass Variables

Control Directives and expression
Control Directives and expression
Sass Operations
Sass Mixins
Project + media query
Project + media query
Project + media query
Project + media query
<b>Final Project Presentation</b>
<b>TOTAL- 42 DAYS</b>

<b>C++ AND DSA</b>
Introduction of Programming Language
History of C++ Language & Types of Translator
Data Types & Variables
Introduction of Tokens
Introduction of types of Operators
Operators Continue...
Conditional statement(if-else)
Nested Conditions
Nested Conditions Continue..
Transfer (Jumping) Statements: switch case
Transfer statement(goto,break & continue)
Introduction of Loops (Do_While loop)
While Loop
For Loop
Nested Loop
Nested Loop Continue...

Conduct Doudt Session-1
Conduct Doudt Session-2
Test-1
Introduction of string & its' function
Introduction of Pattern matching
Pyramid Pattern
Introduction of String Pattern matching
Introduction of Array(Single Dimenssion)
Continue..
Two Dimension Array
Array Continue..
Multi Dimension Array
Introduction of Function(Non Return, Return type)
Call By Value
Call By Reference & Recursion
Introduction of Structure with example
Conduct Doubt Session
Test-2
Introduction of Oops Concept
Class , Object & Modifiers
Function overloading Concept
Types of classes
Introduction of Constructor with example
Types of Copy Constructor(Shallow & Deep)
Destructor with example
Concept of Operator Overloading

Example of Unary & Binary operator overloading
Introduction of Inheritance & it's types
Single & Multilevel Inheritance
Multiple & Hierarchical Inheritance
Hybrid Inheritance
Introduction of Polymorphism(Abstract Class )
Virtual Function
Pure Virtual Function
Introduction of Exception handling
Try & Catch block
Introduction of Thread &Multithread
Functions of Thread
Introduction of Pattern matching & factory method
Example of Singleton pattern matching
Introduction of File Handling
Read & Write operation
Conduct Doubt Session
Test-3(Final Test)
Introduction of Data structure & it's type.
Concepts of Pointers
Self Reference Structure with example
Types of Sorting, Asymptotic Notations
Bubble Sort using algorithm with diagram
Bubble Sort code
Insertion Sort using algorithm with diagram

Insertion Sort code
Selection Sort using algorithm with diagram
Selection Sort code
Quick Sort using algorithm and diagram
Merge Sort using algorithm and diagram
Non Linear Data Structure(Tree & Graph)
Binary Tree with traversing order
Binary Search tree with example
Avl tree with rotation
Avl tree example
Introduction & types of Graph
BFS Algorithm
DFS Algorithm
Adjacency Matrix & Link list of Graph
Conduct Doubt Session
Conduct Doubt Session
Conduct:Test-4
Introduction of STL
Example of Function Templates
Example of Class Templates
Introduction of Namespace
Example of Namespace
Introduction of Algorithm & Iterator
Function of Algorithm & Iterator
Introduction of string template
Example of string

Introduction of array template with example
Introduction of Containers & it's types
Sequence Container:Vector with example
Introduction of pair and tuple template
Sequence Container:forward_list
Sequence Container:list
Container Adaptors:Queue
Container Adaptors:Stack
Associative Container:Set
Associative Container:Multiset & Unordered_set
Associative Container:Map
Associative Container:Multimap & unordered_map
Conduct:Test-5
Practice:Campus based Problem(7)
Practice:Campus based Problem(5)
Practice:Campus based Problem(5)
Practice:Campus based Problem(5)
Practice:Campus based Problem(5)
Practice:Campus based Problem(5)
Practice:Campus based Problem(5)
Final Exam
<b>TOTAL-111 DAYS</b>

## JAVA SCRIPT

Introduction
Variable and Datatype
Bom and Dom

Output Statement
InnerHTML
Functions
EventListeners
Template literals
Dom Manipulations
Conditional Statement
Settimeout and Setintervals
Loops
Math module
Date object-
<b>CLASS TEST</b>
Array
Methods of array
Destructuring of array and objects
Spread Operator
Strings
Module Import Export
Local Storage
Animation
Asynchronous javascript
Promises
JQUERY
<b>Project (Admin Dashboard)</b>
<b>TOTAL-40 DAYS</b>