

SHORT COURSE

TABLE OF CONTENT

INTRODUCTION TO C++

GETTING STARTED

- Structure of a C++ Program.
- Insertion "<<" and Extraction ">>" Operator
- Compilation
- Linking
- Execution

DATA TYPES, VARIABLES AND CONSTANTS

- Built-in Data types
- Integer Constants, Character constants, Floating Point Constants, String Constants
- Declaration/Initialization of variables
- Assignment statement

OPERATOR AND EXPRESSIONS: OPERATORS

- Arithmetic operators
- Assignment operator
- Shorthand Assignment operators
- Unary Minus operator
- Increment and Decrement Operators
- Relational operators
- Logical operators

FLOW OF CONTROL

CONDITIONAL CONSTRUCT

- if else
- Nested if
- switch..case..default
- Nested switch..case

LOOPING CONSTRUCT

- While
- do – while
- For
- Nested Loops

USER-DEFINED FUNCTION

- Creating function
- Invoking/calling a function
- Function Parameter
- Call by value
- Call by reference
- Returning values from a function

INBUILT FUNCTIONS

- Character Functions
- String Function
- Mathematical Functions

STRUCTURED DATA TYPE

Arrays

- One Dimensional Array
- Two Dimensional Array

STRUCTURE

- Function returning structure
- Array of Structure

RSSV