



# COMPUTER APPLICATION

# 10TH

Programming & development

Course Curriculum



# COMPUTER APPLICATION STD 10TH

## **Module 1 : Revision of Class 9th**

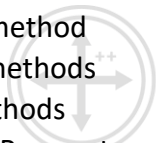
- Object-oriented programming
- Operators in Java
- Value and Data types
- Conditional Constructs in Java

## **Module 2: Class as the basis of all computation**

- Objects and Classes
- Primitive and Composite Data Types
- Objects as instances of a Class

## **Module 3: User – Defined Methods**

- Syntax of Method
- Ways to invoke a method
- Pure and Impure methods
- Using multiple methods
- Actual and Formal Parameters



## **Module 4: Constructors**

- Types of Constructors
- Uses of Constructors
- Difference between Method and Constructor

## **Module 5: Library Classes**

- Wrapper Class and its Methods
- Autoboxing and Unboxing

## **Module 6: Encapsulation**

- Access Specifiers
- Visibility Rules for Access Specifiers
- Scope of Variables

## **Module 7: Arrays**



- Arrays and their types
- Search Techniques
- Declaration
- Initialisation
- Accepting data in double dimensional arrays

## **Module 8: String Handling**

- String Class
- Methods of String Class
- Implementation of String Class Methods
- Extracting and Modifying Characters of a String

