Course Title: Intro. to Programming using Java I (Basic)

Duration: Five (5) Days

Class Schedule: 9:00am to 5:00pm


Total Hours: 35 Hours

Course Contents:

Day 1: Introduction to Computer Programming
- Introduction to Java
- Getting to Know Your Programming Environment
- Programming Fundamentals
  - Dissecting my first Java Program

Day 2: Programming Fundamentals
- Getting Input from the Keyboard
- Control Structures
  - Decision Control Structures (if, else, switch)

Day 3: Control Structures
- Loops
  - Java Arrays
  - Command Line Arguments
  - Working with Java Class Library
- Introduction to Object-oriented Programming
- Encapsulation
- Classes and Objects
- Class variables and methods

Day 4: Working with Java Class Libraries (con’t)
- Object-Oriented Programming
- Inheritance

Day 5: Polymorphism
- Basic Exception Handling
- Exceptions and Assertions
- Advance programming Techniques*
- Tour of the java.lang package*