

**Course Title: Java Programming**

**Course Code: IR 114**

**Course Background / Summary:**

This course introduces the participant to Java Programming. The Java platform provides an object-oriented, portable and robust framework for application development. This course covers the introduction to Java programming, variables and data types, input and output, operators and controls statements, strings, and arrays. Included are the design of classes and objects and the development of Java-based applications using Eclipse.

**Course Objectives:**

- Design, write and debug Java programs.
- Develop Java-based Applications/programs using the Eclipse.

**Target Audience:**

- Industrial workers from technicians to engineers
- Teaching staff (vocational & technical teachers), lecturers
- Public

**Course Duration: 3 Days**

**Course Contents**

**1.0 Introduction to Java Programming**

**2.0 Installing JDK (Java Development Kit) and Eclipse**

**3.0 Java Variables and Data Types**

**4.0 Input and Output**

**5.0 Operators and Control Statement (Conditional and Looping)**

**6.0 Strings**

**7.0 Arrays**

**8.0 Java Classes and Objects**