



MSME-Tool Room, Guwahati



Tool Room & Training Centre, Guwahati

Course Time Table

SUBJECT : **CORE JAVA**

DURATION : **2 weeks**

PER DAY : **3 hrs**

OBJECTIVES:

At the end of Session Participants Should Know:

- ❖ Creation of object-oriented programs with JAVA classes.
- ❖ Can be execute program in JAVA.
- ❖ Able to import JAVA packages.

Day	Course Content
Day 1	<ul style="list-style-type: none">✓ Online software installation guidance with self-introduction and interaction.✓ Software installation guidance.✓ Introduction to TRTC.✓ Introduction to JAVA✓ Basic syntax✓ Variable types✓ Data Types✓ Type casting✓ Statements & Comments
Day 2	<ul style="list-style-type: none">✓ Java operators✓ Strings✓ Math function✓ Booleans✓ The If statement and its' related statement✓ An example with if and it's related statement✓ Implementing on program
Day 3	<ul style="list-style-type: none">✓ Switch case✓ Java for loop✓ Implementing on program✓ The while loop✓ The range statement✓ Break & Continue✓ Array✓ Implementing on program
Day 4	<ul style="list-style-type: none">✓ Java methods✓ Method parameters✓ Method overloading✓ Java scope✓ Recursion✓ Implementing on program✓ Revision

Day 5	<ul style="list-style-type: none"> ✓ Java OOP ✓ Introduction of oop ✓ Features of oop ✓ Classes and objects ✓ Attributes ✓ Methods ✓ Implementing on program
Day 6	<ul style="list-style-type: none"> ✓ Java inheritance ✓ Subclass and superclass ✓ Final keyword ✓ Constructors ✓ Modifiers and it's types ✓ Implementing on program
Day 7	<ul style="list-style-type: none"> ✓ Java Encapsulation ✓ Get and Set methods ✓ Implementing on program
Day 8	<ul style="list-style-type: none"> ✓ Java abstraction ✓ Abstract classes and methods ✓ Implementing on program
Day 9	<ul style="list-style-type: none"> ✓ Java polymorphism ✓ When and why to use polymorphism ✓ Implementing on program
Day 10	<ul style="list-style-type: none"> ✓ Java inner classes ✓ Private inner class ✓ Static inner class ✓ Access outer class from inner class ✓ Implementing on program
Day 11	<ul style="list-style-type: none"> ✓ Java packages & API ✓ Types of java packages ✓ Import a class ✓ Import a packages ✓ Java user input through scanner class ✓ Input types ✓ Implementing on program
Day 12	<ul style="list-style-type: none"> ✓ Date and time ✓ Classes of date and time ✓ Display current date and time ✓ Formatting date and time ✓ Implementing on program
Day 13	<ul style="list-style-type: none"> ✓ Java interface and enums ✓ Multiple interfaces ✓ Enums with various statements ✓ Implementing on program
Day 14	<ul style="list-style-type: none"> ✓ Java arraylist ✓ Difference between array and arraylist ✓ Add items, access items, remove items and change items from an arraylist ✓ File handling ✓ Create/write files, read files, delete files

N.B:

*Classes & Demonstration will be conducted every day for a time period of one hour & doubt clear Session of one hour with all day online/on-call support.

*Hard copy of Certificate will be send to Participant's address by post or it may also be collected from our Centre when situation get normalized.

*Each trainee can avail a free one-week Internship (Practical/Project based) training at our Centre after this pandemic situation get normalized.

You may contact with coordinator for course related further information.

Course Coordinator: Sudeep Basak

Contact No:9707658224/6026750624