

Option 1: Java Web Application

Console Programming

- Introduction of Java Programming
- Programming and Syntax of programming
- Implementing data types in programming
- Implementing Variables in program
- Implementing typecasting and type promotion.
- Implementing Operator in program
- Introduction of OOPS
- Implementing abstraction & encapsulation.
- Implementing static variable and function
- Implementing static polymorphism(function & constructor overloading
- Implementing Dynamic polymorphism(Abstract class,Interface)
- Implementing Inheritance
- Implementing Exception Handling
- Implementing Collection API utilities
- Implementing StrinBuilder & String Buffer
- Implementing file Handling
- Implementing Thread Handling

GUI APPLICATION DEVELOPMENT

Form Designing using Controls

- Introduction of Container & Controls
- Form Designing using Controls
- Implementing Swing & AWT
- Implementing Event Delegation Model
- Implementing composite layout designing
- Implementing Dialog programming
- Implementing Applet programming
- Implementing Socket programming

JDBC Programming

- Overview of JDBC-ODBC Bridge
- Implementing Connection, Statement Interface Implementing.
- Implementing Prepared Statement and ResultSet.
- Implementing ResultSetMetaData.
- Implementing DatabaseMetaData.

Advance Java(J2EE) Programming

- Introduction of J2EE
- Implementing HTML designing
- Introduction of Client Server Architecture
- Implementing MVC model using Views
- Implementing Controller & Model component
- Implementing Servlet life cycle.
- Implementing Sharing application using context..
- Implementing Session Management
- Implementing Filter in Web Application
- Implementing database in Web Application
- Introduction of JSP
- Implementing Bean Component
- Implementing explicit and Implicit object
- Implementing Custom Tag(Tag Lib)
- Development Struct Action Form
- Implementing Hibernate in Web Application

Live Project

- Requirement Analysis
- Design Initiation
- Development Initiation
- Development progress
- Unit Testing
- Development Completion
- System Testing
- Project Closure