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SMARTBTR INSTITUTE OF TECHNOLOGY INTERNATIONAL



GOSSAIGAON, KOKRAJHAR BTR ASSAM



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Course Title : Advanced JAVA Programming

Course Duration: 8 months

Course Fees: INR. : Rs. 8,000

Eligibility: 10th passed and basic knowledge of java

Prerequisites: No prior programming or web development experience required.

TOPICS

1. Getting Started
2. Basic Syntax of java
3. Collection Framework
4. Threads
5. Exception Handling
6. DSA(Data structure and algorithm)
7. Database
8. SQL
9. Web-Tech Intro • HTML • http protocol • CSS
• Java SCRIPT • Apache tomcat web server
10. J2EE,Servlet and JSP
11. MVC
12. JDBC

Session-1: Getting Started

- Introduction of java, JDK History -> Origin -> JVM -> Benefit of JAVA , Platform Independent Programming), Use Case of Java And Success of Java Programming(Which kind of applications made with java programe),Installations Tools and IDE, Execute JAVA program in local machine and IDE with JDK.

Session-2: Basic Syntax

- Java basic syntax, print, functions, classes, objects, String concepts, mutable, immutable strings, String Operations etc.

Session-3: Collection Framework

- Concept of collection framework in java (Lists, set, queue,map

Session-4: Thread

- Multithreading, Thread Handling, Custom Threads

Session- 5: Exception Handling

- Exception handling, try catch function, finally keyword

Session-6:DSA (Data structure and algorithm)

- Concepts of data structure algorithm, types of data structure

Session-7: Database

- Database, types of database RDBMS, SQL, NOSQL

Session-8: SQL

- mysql, sql queries, Database Operations

Session-9: Web-Tech Intro • HTML • http protocol • CSS • Java SCRIPT • Apache tomcat web server

- Basic of HTML, CSS, Javascript, Project Server like Apache server

Session-10: MVC

- Java model view controller, web servlet, java annotations

Session-11: JDBC

- Connection of database for storing data, java database connectivity

Session-12: J2EE,Servlet and JSP

- Java Enterprise edition for creating projects, java server page and servlet backend techniques, request,response



**Contact Us For
More Info**



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