JAVA

Objective of the Module:

Like any programming language, the Java language has its own structure, syntax rules, and programming paradigm. The Java language's programming paradigm is based on the concept of OOP, which the language's features support. The Java language is a C-language derivative, so its syntax rules look much like C's. For example, code blocks are modularized into methods and delimited by braces ({ and }), and variables are declared before they are used. Structurally, the Java language starts with *packages*. A package is the Java language's namespace mechanism. Within packages are classes, and within classes are methods, variables, constants, and more.

After completion of the Module the student will be able to

- The model of object-oriented programming: abstract data types, encapsulation, inheritance and polymorphism
- Fundamental features of an object-oriented language like Java: object classes and interfaces, exceptions and libraries of object collections
- How to take the statement of a business problem and from this determine suitable logic for solving the problem; then be able to proceed to code that logic as a program written in Java.
- How to test, document and prepare a professional looking package for each business project using javadoc.

Course Content:
- Introduction to JAVA with Object-Oriented Programming concept.
- Class fundamentals
- Constructor
- Inheritance
- Define a package and CLASSPATH
- Exception handling fundamentals
- Thread model
- Random access file using Stream I/O.
- Concept of AWT
- Applet
- SWING
- SERVLETS
- Give different idea of the different tools and menu in to JAVA NETBEANS.
- Introduction to JSP with different program
- Database Programming with JDBC and JSP
- Discussion of the Mobile Application with sample code

Course Guidelines:
1. Course duration is 45 days. 30 days out of total duration of the course is reserved for study period since the date of registration. After Study Period, exams must be completed within the remaining 15 days positively.
2. Be careful while facing the Exam.
3. No Re-exam can be arranged.

Technical Specifications:
- Windows 7, 8, 8.1, 10
- Android or Windows based Smartphone
- Internet Explorer 11, Google Chrome 40.0.2214.94, Mozilla Firefox 35.0.1
- Internet connection: 2Mbps or above
- PDF Reader
- Media player for mpeg format
- Adobe Flash Player

Eligibility: Madhyamik or Equivalent

- *IT IS MANDATORY TO DEPOSIT COURSE FEES & TO UPDATE RELATED DOCUMENTS WITHIN 3 DAYS FROM THE DAY OF REGISTRATION. YOUR COURSE WILL BE ACTIVATED FROM THE DAY OF REGISTRATION*
CLICK HERE TO VIEW THE PAYMENT PROCEDURE: