DIGITAL LEARNING PROGRAM

ENTERPRISE APPLICATIONS USING JAVA

Duration of Course: 240 hours
Pre-requisite: Nil

80% OF ACADEMIC LEADERS AGREE THAT TO IMPROVE THE EFFECTIVENESS OF HIGHER EDUCATION AND INCREASE THE EMPLOYABILITY OF STUDENTS, THE ONLY WAY FORWARD IS THE COLLABORATION OF "INDUSTRY'S BEST & ACADEMICS' BEST"

ENTERPRISE APPLICATIONS USING JAVA

COURSE DESCRIPTION:

Research findings consistently tell us that Java is one of the most sought after programming languages used to create a variety of automated appliances and build highly interactive web applications that span heterogeneous domains – such as banking, supply chain-logistics, manufacturing, global businesses, and government services.

This learning program makes you a complete developer. It sharpens your logic development skills, imparts basic software engineering principles needed to develop an application, provides in-depth coverage of object-oriented concepts, models application using UML and implements the same by an engineered approach using the Java programming language. It will also help you acquire strong team programming skills and version control understanding using GIT.

The program also gives you a detailed data perspective through SQL and PLSQL using Oracle and application integration with data using JDBC. Application testing, a vital piece of the whole software development process, is covered using JUNIT to build and release tested codes.
The program adds an extra dimension to programming by introducing you to web application development using the MVC design patterns and tier-architecture principles using HTML5, CSS with Bootstrap, JSP and Servlets.

Depth in programming is all about solving problems of various kinds. The best way to acquire this expertise is to practise solving as many simple problems as you can to perfect your logic, and then progress to problems more complex. The course structure helps you to apply what has been learnt using a wide array of auto-evaluated tasks and hands-on projects that needs to be completed on a regular basis.

COURSE HIGHLIGHTS:

- Improve logic building using Logic Development

- Understand software development and its various phases using Software Engineering concepts

- Learn the fundamentals, logic, structure, and syntax of OOP and UML

- Understand Git and how to work with Version Control Systems

- Understand the latest version of Java and its supporting concepts and features

- Testing individual modules by writing automated unit test cases using Junit

- Learn database connectivity using JDBC

- Become an expert in building enterprise applications using HTML5, CSS, Bootstrap, JSP and Servlets

- Auto-evaluated unit tests and continuous practice

- Industry related scenarios and case studies

COURSE OUTCOMES:

Doing this course will make you both industry-ready and technology-ready, and will give you a clear edge over peer groups by enabling you to build both stand-alone applications as well as enterprise applications. On completion of this course you will also be equipped to take up the 'Oracle Certified OCA and OCJP' - Oracle Certified Associate and Oracle Certified Java Professional'.

NEXT GEN SMART ONLINE PLATFORM:

Let's look at the features which makes it a really Next Gen SMART online platform

— World class course content and course delivery of IBM Digital Learning Program.

— Enables activity-based adaptive learning and assessments with Auto Evaluation and grading of Programming Exercises

— Facilitates adoption of Continuous Evaluation Based Learning

— The Learning content is displayed in multiple formats, with capability for hosting remote online classes conducted with two way streaming of live video / audio

— Auto triggering of SMS and Emails to learners and other stakeholders

— Analytics, Reports and Visual Dashboards available for Actionable Insights appropriate for every stakeholder

KEY FEATURES OF THE IBM DIGITAL LEARNING PROGRAM

CURRICULUM & CONTENT

- Cutting Edge and Futuristic
- Specially curated for Digital Learning by IBM SMEs
- In depth & Engaging Content
- Follows Blooms Taxonomy Principles
- Designed for Technical Excellence

LEARNING METHODOLOGY

- Concept Based, Applied Learning
- Multiple Content Delivery Modes for Reinforced Learning
- Blended Online Learning - Self Paced Online + Virtual Interactive Sessions
- Extensive Practise Labs
- Periodic Live Coding Contests
- Availability of Highly Rated Subject Matter Experts on Guidance
- Collaborative Learning

NEXTGEN SMART PLATFORM

- Instant Auto-Evaluation of Hands-on Exercises
- Evidence Based Learning
- Knowledge Harvesting Features
- Fine Grained Projects / Case Study Assessment
- Anywhere Anytime Learning - Mobile Enabled
- Code Quality Check
- Automated Skill Matrix & Dossier Generation
- Robust Ticketing Mechanism for Seamless Support

EVALUATION & CERTIFICATION

- Continuous Evaluation
- Practise Tests
- Proctored Certification Exam
- Globally Recognised IBM Badge

PERFORMANCE DASHBOARDS

- Numerous Reports / Visual Dashboards for Actionable Insights
- Learner Dashboards for Tracking Progress vis-á-vis Milestones
- Gamified Ranking Dashboards for Competitive Learning

BENEFITS

- Complementary Employability Skills Module
- Industry Ready Students
- Attract More Recruiters & Share Student Performance Data / Skill Matrix with them for Smart Hiring
- Highly Valued IBM Partnership
- Insignificant Investment in Infrastructure

INNOVATION CENTRE FOR EDUCATION

IBM.

Enterprise Application using Java

CERTIFICATE

To give the crucial winning edge to your students and make them 'industry ready'...

IBM Innovation Centre for Education

Join hands with
IBM Innovation Centre for Education -
TODAY!

Business Partner