



Innovation Centre for Education

DIGITAL LEARNING PROGRAM

FULL STACK USING JAVASCRIPT

Duration of Course: 240 hours

Pre-requisite: Web Applications using MEAN stack



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"

FULL STACK USING JAVASCRIPT

COURSE DESCRIPTION:

When one walks into a college placement drive, in all probability the interviewer would grill with questions pertaining to JavaScript Deep Learning. That's because the subject is revolutionising the existing software engineering space today. Right from AI and self-driving cars to good old weather forecasting (...and everything in between!) machine learning applications are spinning the world out of its axis, so to speak.

If you are one of those JavaScript mavericks who want to tackle Deep Learning head on, this course is the best place to start. In this course, you'll get to learn the latest approaches to JavaScript technology.

This course with cutting edge deep insights is brought to you in a range of modules sprinkled with a generous dose of real-time use cases. Featuring exercises and code walk throughs push you to rethink what you can do with JavaScript.

Service intensive applications are the newest big boys of computation and can help to decouple and build different parts of the application (end-to-end). This course will help you get to grips with creating REST APIs using Express JS, one of the hottest web application frameworks used to manage everything from the server side.

Data visualization is transforming the way modern companies are visualizing data and intelligently sculpting their growth path using this easily translatable information. Python and Java go hand in hand when it comes to this scope of the field as Python is the BEST ADJACENCY for JavaScript experts. By the end of this course, you will have expanded your skillset in Python, today's most powerful scripting language to create these visuals.

COURSE HIGHLIGHTS:

- Understand the creation of REST APIs using Express JS, as learning to create services is very essential to the current development process which has shifted from monolithic to service intensive applications.
- **Work on one of the most preferred JavaScript runtimes – Node JS:**
 - Understand the concepts in Node JS; build standalone/web application on Node JS runtime
 - Learn the difference between structured and unstructured databases; work with Mongo/MySQL backend
- Learn to create rich internet application using AJAX.
- Understand Object-Oriented Programming Concepts and implement using JavaScript, as this basic understanding is very essential to break the complexity of the given application scenario.
- Understand the concepts related to backend like RDBMS and Learn to write queries to talk to database using SQL.
- Learn the very popular and powerful scripting language – Python, used in today's competitive market, where organizations want the best possible visualization of their business data.
- Complete your learning with industry related end-to-end project that enables you to solve real-time challenging problems.

COURSE OUTCOMES:

By the end of this course, you'll be well equipped with the latest Java skillset that's trending market today. You'll not only impress your job interviewer, but also become a compelling part of today's Deep Learning revolution!



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

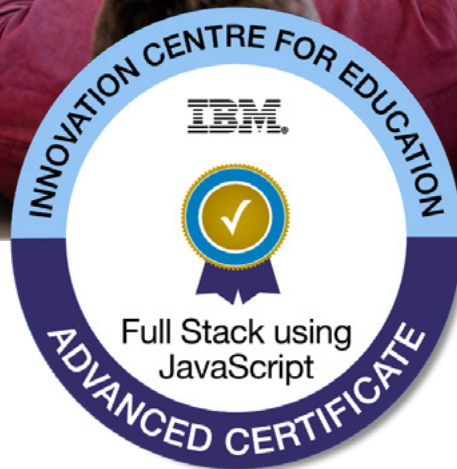
KEY FEATURES OF THE IBM DIGITAL LEARNING PROGRAM





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