

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"

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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

CURRICULUM & CONTENT	LEARNING METHODOLOGY	NEXTGEN SMART PLATFORM	EVALUATION & CERTIFICATION	PERFORM DASHBO
Cutting Edge and Futuristic	Concept Based, Applied Learning	Instant Auto-Evaluation of Hands-on Exercises	Continuous Evaluation	Numerous R Visual Dashb Actionable
Specially curated for Digital Learning by IBM SMEs	Multiple Content Delivery Modes for Reinforced Learning	Evidence Based Learning	Practise Tests	Learner Dashl Tracking Pi vis-á-vis Mil
In depth & Engaging Content	Blended Online Learning - Self Paced Online + Virtual Interactive Sessions	Knowledge Harvesting Features	Proctored Certification Exam	Gamified R Dashboar Competitive
Follows Blooms Taxonomy Principles	Extensive Practise Labs	Fine Grained Projects / Case Study Assessment	Globally Recognised IBM Badge	
Designed for Technical Excellence	Periodic Live Coding Contests	Anywhere Anytime Learning - Mobile Enabled		
	Availability of Highly Rated Subject Matter Experts on Guidance	Code Quality Check	TION CENTRE FOR	
	Collaborative Learning	Automated Skill Matrix & Dossier Generation	OUTION CENTRE FORE	To give the and make
		Robust Ticketing Mechanism for Seamless Support	Full Stack using JavaScript	



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



the crucial winning edge to your students

ke them 'industry ready'...



Innovation Centre for Education

IT

Join hands with IBM Innovation Centre for Education -TODAY!

Full Stack using JavaScript

Business Partner