



Innovation Centre for Education

DIGITAL LEARNING PROGRAM

WEB APPLICATIONS USING MEAN STACK

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"

WEB APPLICATIONS USING MEAN STACK

COURSE DESCRIPTION:

The road to becoming a MEAN Stack Developer is paved with truckloads of frameworks, tons of tools, and hosts of libraries. And if you feel daunted by the vast web ecosystem that feeds this programming language, this course could be your best friend, because it is the ultimate resource platform for all things 'JavaScript'!

Crafting a proper learning plan is crucial for anyone who is serious about taking up a career in programming. If you want to manage your JavaScript "knowledge portfolio" in this ever-changing IT industry, this program is definitely the answer to all your learning needs. Starting from the very basics of logic development and taking you through a focussed and deep journey of great programming practices, this course, which includes the best technologies like Angular, and Node JS, is designed to help you become a confident MEAN Stack Developer.

One step that will help you work steadily toward reaching your goal as a web developer is deep diving into core mechanisms of JavaScript such as loops, expressions, grammar and types, functions, and object prototypes. We have woven all these and more into a curriculum that's power-packed with exactly what you need to become a sharp web developer.

COURSE HIGHLIGHTS:

- Understand algorithms and basic data structure

- Work on MEAN stack technologies
 - Understand and work with Node JS
 - Implement Single Page App with Angular Framework
 - Create and consume REST services
 - Work with Mongo DB as backend

- Write unit test cases

- Practise layering and architecture

- Learn technologies like Git, Web HTML, CSS, jQuery, etc.

- Execute asynchronous communication

- Hone your skills using auto-evaluated unit tests and continuous practice

- Benefit from industry related scenarios and case studies

COURSE OUTCOMES:

This learner-oriented course will take your programming skills to a top-notch level in no time at all, arming you with a thorough understanding of JavaScript and its implementation. At the end of this program, you will become a sound MEAN Stack Developer with the world being your proverbial programming oyster!



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

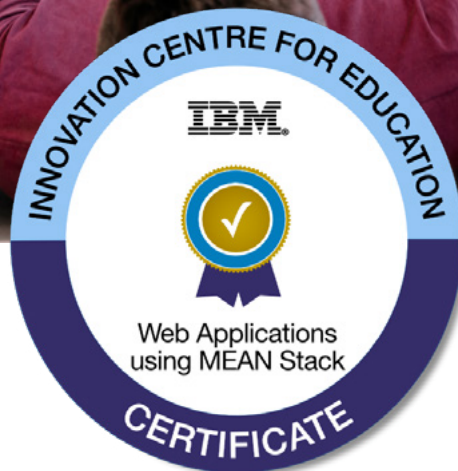
KEY FEATURES OF THE IBM DIGITAL LEARNING PROGRAM





Innovation Centre for Education

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