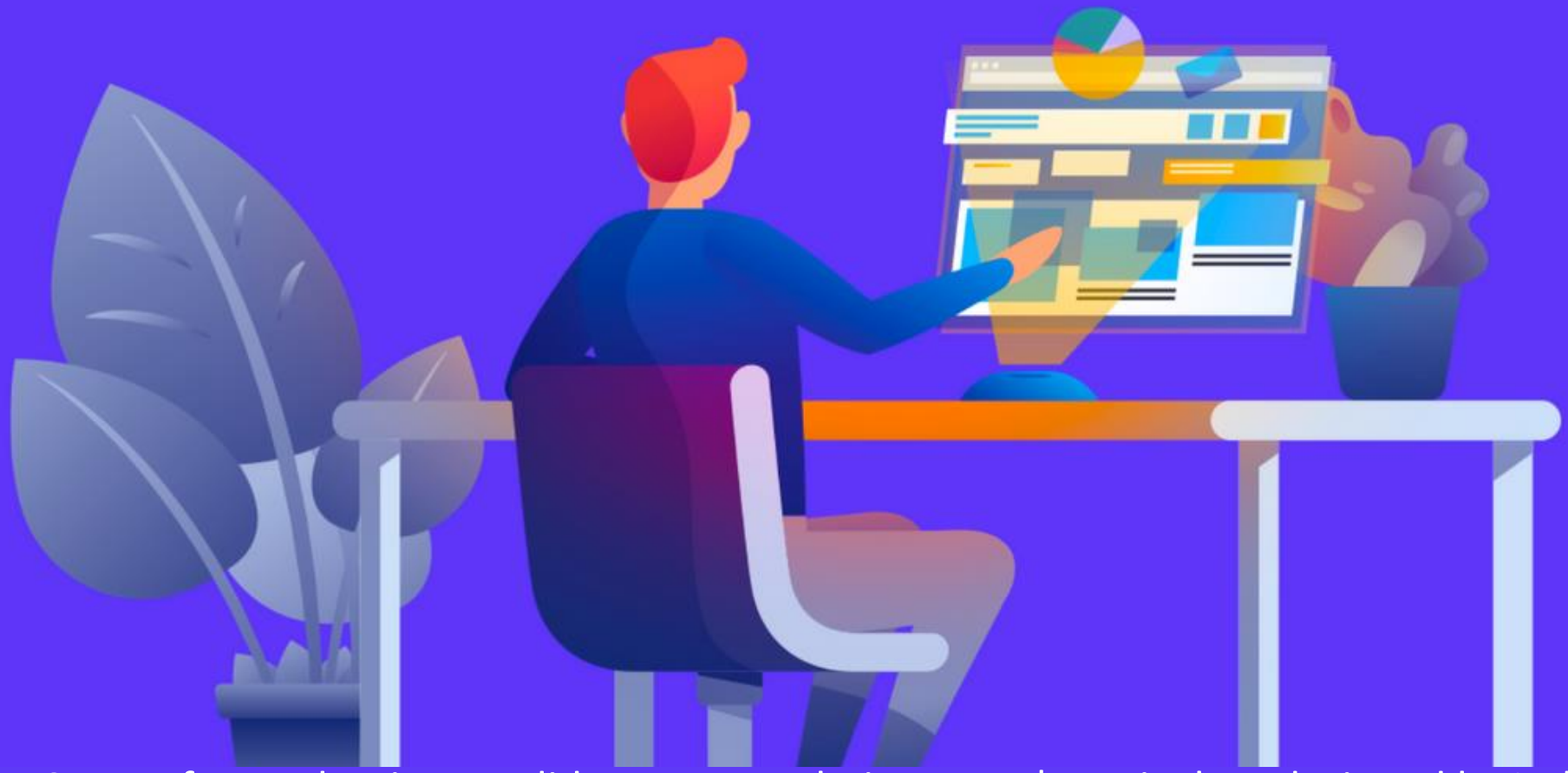
ElectroCloud Labs

https://electrocloudlabs.com/
contact@electrocloudlabs.com
+91-8341957746

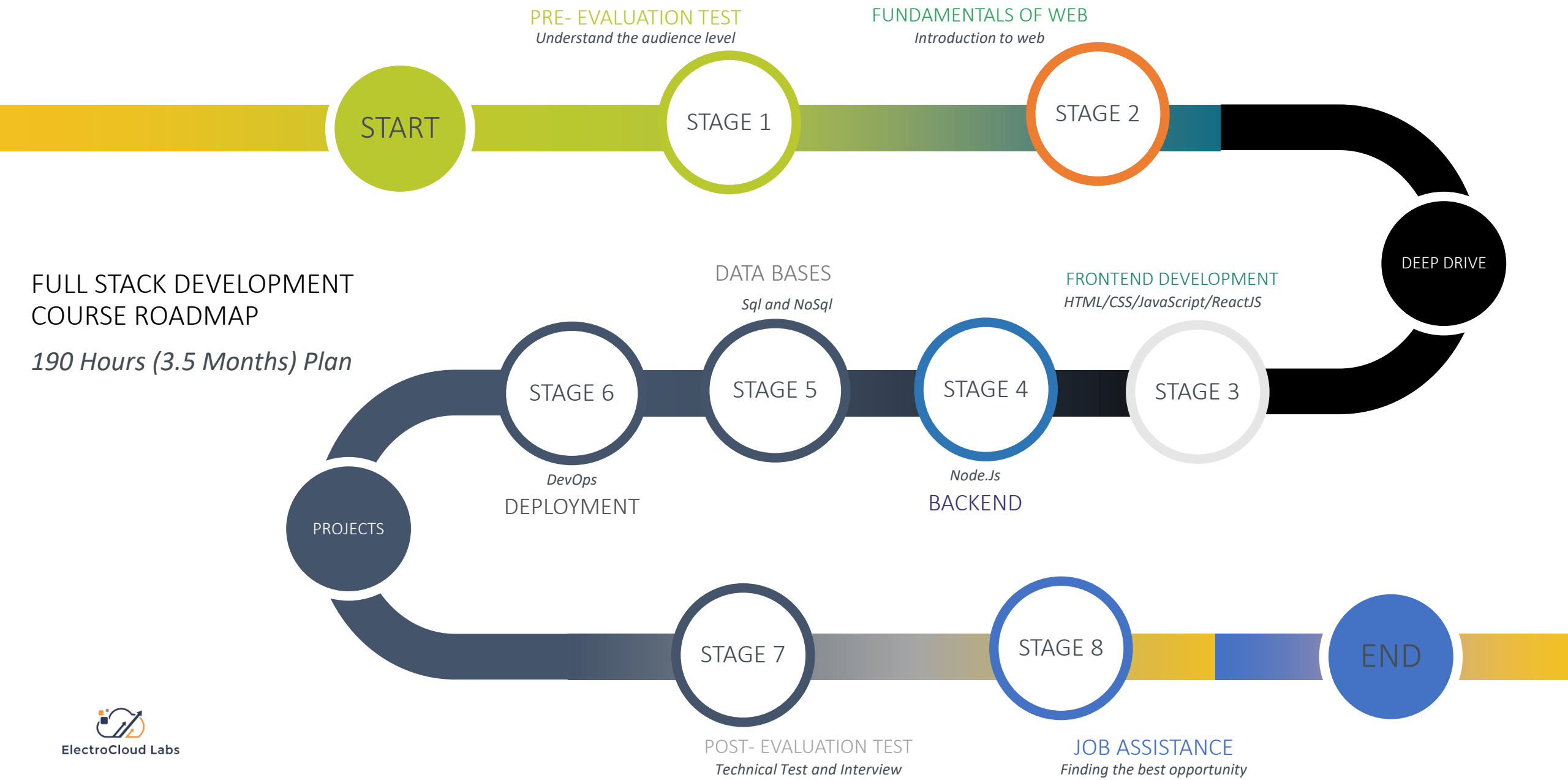
Full Stack **Developer**



Best Course for graduating candidate to start their career | curriculum designed by Industry Experts | 190 Hours (3.5 Months) of Program | **Hybrid Classes** | World Class Curriculum | Certification

FULL STACK DEVELOPMENT COURSE ROADMAP

190 Hours (3.5 Months) Plan



ElectroCloud Labs

Program's Key Features

- Course Especially designed for Engineering Students (3rd /4th Year Candidate)
- 190 Hours (3.5 Months) Plan
- 5+ Case Studies and Assignments
- Masterclass from Industry Expert
- Practical Hands-on Capstone Projects
- Life Time Access to eLearning Materials
- Learn Industrial/Job Oriented Skills
- **Hybrid Classes**
- Career Mentorship Sessions(1:1)
- Career Bootcamp
- 100% Job assistance
- FSD Specialization Certification

Syllabus

Module 1: Fundamentals of web	Module 2: Fundamentals of UI/UX	Module 3: Database Fundamentals
• Understanding web apps • Usage of web apps • Domain and Hosting • Security and storage • Technologies for Web Application development • Examples of Web Apps	• What is UI/UX? • UI Developer roles and responsibilities • UX Process • Wireframes and prototypes • Current market requirements on UI and UX • User mindset, journey, expectations, mental models • UI Design tools and Principles • UI, UX best practices • Lab: 1	• Introduction to Databases and their applications • Types of databases • Understanding DBMS • Relational and Non-relational Databases • Understanding distributed storage and data lake • Applications of data lake • Lab: 2

Syllabus

Module 4: Working with SQL	Module 5: NoSQL databases	Module 6: NoSQL databases
• MySQL tool installation • MySQL Workbench Introduction • SQL Introduction • Creating databases, tables • SQL standard queries: Insert, select, update • SQL data filtering • Basic data exploration with SQL • SQL data management • Labs: 3	• Concept of NoSQL? • Why NoSQL • Compare NoSQL, and RDBMS • Types of NoSQL Database • Key-Value Stores • MongoDB Module • Features of MongoDB Module • Labs: 4	• Principles & Design Goals for MongoDB Server and Database • MongoDB tools • MongoDB Installation on Windows and cloud • CRUD operations • Basic MongoDB Commands • Read and Query Operations • Concepts of Modelling Database • Modelling Relationship • Lab: 5

Syllabus

Module 7: HTML Introduction	Module 8: CSS	Module 9: JavaScript
• HTML and its design principles • HTML tags, elements, and formatting • HTML Design approach • HTML Lists, tables, forms, attributes, triggers • HTML iframes, embedding (audio, video, drag & Drop) • Autogenerating HTML script • HTML5 best practices • HTML5 Local storage • HTML5 canvas • Lab: 6	• CSS Semantics and selectors • CSS Styling(Color, Backgrounds, Height width) • CSS Box Model • Tables, buttons • Form Validation • CSS Float & Clear • Selectors & Display CSS • CSS Align Horizontal & Center Responsive Web Design • View Port, Grid View, media Queries and flex box • CSS Animation • Lab: 7	• Introduction of Javascript • JavaScript use cases • Syntax, operations, variables, control flow • JS functions, loops, arrays, and operations • JS for validation • JavaScript with HTML Attributes • JavaScript HTML DOM Elements • JavaScript with CSS • Lab: 8

Syllabus

Module 10: ReactJS	Module 11: Node.js	Module 12: Deployment and DevOps
• Introduction to React • Features of React • Setting up React and working with react • Render HTML in React • Lists, keys, forms, web services • Composition vs Inheritance • Thinking In React • Accessibility • Code-Splitting • React JSX • Adding Forms in React • React Router • Styling React Using CSS • React Hooks • Integrating with Other Libraries • Lab: 9	• Introduction, use cases and applications • Environment Setup • REPL Terminal • Package Manager (NPM) • MVC Architecture for Node.js • Basic syntaxing, writing logics and callbacks concept • Event Loop & Event Emitter • Event Emitter • Buffers, Streams • File System • Global Objects • Utility Modules • Web Module • Express Framework • Lab: 10	• Deployed the front-end and back-end on platforms like Heroku or AWS. • Set up continuous integration and deployment pipelines (CI/CD). • Implemented security measures such as HTTPS and server hardening

Syllabus

Module 13: Real-world Applications and Case Studies	Module 14: Certification Preparation	Module 15: Career Counselling
• Case study and Project Work	• Overview of FSD Certifications • Tips and Strategies for Exam Preparation • Practice Questions and Mock Exams	END OF PROGRAM

Career Support

Career & Resume Consolation

- Resume Review and Enhancement
- Customization for Job Applications
- Formatting and Design
- Showcasing Achievements
- LinkedIn Profile Optimization
- Networking and Application

Interview Preparation and Mock Interview

- Understand Your Resume
- Research the Company
- Technical Skills Review
- Practice Answering Common Questions
- Dress and Grooming
- Set Up the Mock Interview

Job Assistance

- Career Assessment
- Job Search Strategies
- Online Presence
- Application Process
- Interview Preparation
- Professional Guidance
- Flexibility and Open-Mindedness

How can you conduct this program at your Campus (i.e. University/College)

1. Call us 8341957746 to book an meeting with our manager
2. Get the all required details
3. Sign the NDA/MoU with us.

Frequently Asked Questions (FAQ'S)

- Who is eligible for this program?- Any students from B. Tech/ B.E / M. Tech (3rd,& 4th Year)
- What is the fee for Program- INR 22,500/- each attendee we expect minimum 40 registration from College/University Site, if registration of candidate increased than we are open to discuss.
- Duration: 190 Hours (3.5 Months) Plan
- How many online and offline session: 60% online and 40% offline
- Will students get any certification- Certification of Full Stack Development from ElectroCloud Labs
- Shall I get the access to the recoding – Yes candidates will get the access to digital classroom