

Full-Stack Web Development

Topic	Key Focus	Date
Introduction to Web Technologies	Careers in Web Technologies and Job Roles How Does the Website Work? Client and Server Scripting Languages Difference between a Web Designer and Web Developer Types of Websites (Static and Dynamic Websites) Responsive design and layout	13th October (06:00-07:00)
HTML	What is Markup Language Basic Structure of HTML HTML Elements Working with Forms Adding Special Characters Block Oriented Elements List, Attributes of list Uniform Resource Locators Hypertext Links Images, Tables Introduction to style Sheets Changing the Background Creating Style Classes	17th October (06:00-07:00) 21th October (06:00-07:00)
CSS	CSS Introduction CSS Syntax CSS Id & Class Types of CSS links Colors and Backgrounds Text and Fonts Lists, Tables CSS Selectors CSS Box Model CSS Advanced	23th October (06:00-07:00) 28th October (06:00-07:00)
Java-Script	Introduction to JavaScript Enabling in various, browsers, Popup Boxes Variables Operators Conditional Statements Loops Functions Events Cookies Page redirection Built-in Objects	31th October (06:00-07:00)

Advanced javascript	Form Validations Basics of Form Validation Validating Radio Buttons Validating Check-boxes Validating Select Menus JS Document Object Model (DOM)	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Bootstrap Framework	Adding Header & Navigation Adding Logo in Navigation Bar & Adding Banner Adding Jumbotron Adding Rows, Columns & Containers Adding Column Width using offset Ordering Columns using push or pull Nesting Columns in Bootstrap Adding Footer top Website Typography in Bootstrap Adding glyphsicons Styling Tables Adding Responsive or Utilities in Bootstrap Styling Button using between classes Styling Images and making images Responsive Adding description list in bootstrap Adding Panels	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
React Basics :	Utilize reusable components in React to render dynamic views with changing data over time. Organize React projects effectively for improved scalability and maintainability of websites and applications. Pass data between components using props to create dynamic and interactive user interfaces. Implement form components to enable user interaction and build fully functional React applications.	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
React Advanced	Develop resilient and reusable components using advanced methodologies, and explore diverse patterns for reusing shared functionality. Engage with a remote server, facilitating data retrieval and submission through an API seamlessly. Effortlessly conduct testing on React applications utilizing React Testing Library. Seamlessly incorporate popular React libraries to optimize the development process of your applications	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer

Projects	Live Website Design Project	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Data-base MySQL	Introduction to MySQL basic queries DB model design Normalization select queries joins	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Database MongoDB	Introduction to MongoDB, CRUD operations basic cursor methods Aggregation Server-side vs Client-side rendering	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Node.js	Node.js Basics Node & MongoDB Connectivity : Connection to MongoDB(local & atlas) frontend + backend connectivity Introduction to Node.js, Npm packages Node.js & Express.js What is Express API methods Request & response objects URL & Query parameters	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Node & MongoDB Connectivity: Node.js Deployment	Connection to MongoDB(local & atlas) frontend + backend connectivity Dotenv Deployment, frontend + backend connectivity	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Authentication & JWT	Authentication, bcrypt frontend + backend connectivity JWT custom middleware, authorization frontend + backend connectivity	Dates and timings for this topics will notified you soon after getting the time slots from our Trainer
Projects		Dates and timings for this topics will notified you soon after getting the time slots from our Trainer