



Online Course in MEAN Stack Development



**National Institute of Electronics &
Information Technology, Chandigarh**
Ministry of Electronics & IT (MeitY)
Government of India

NIELIT is an autonomous Scientific Society under the administrative control of Ministry of Electronics & Information Technology (MeitY), Government of India. NIELIT Chandigarh was established in 1978 to provide professional services in the areas of Information, Electronics & Communication Technology (IECT). NIELIT Chandigarh is engaged in development of industry oriented quality education and training programmes in the state-of-the-art areas.



Objective

To generate the requisite skills for building dynamic web applications; starting from code running in the browser to accessing the database at the backend.

Course Coverage (In Brief)

- Introduction to MEAN.
 - NodeJS- Basics of NodeJS, functionality and role, require and module exports, asynchronous non-blocking code, using npm for dependency management.
 - Express – Basics of Express, setting up Express to listen for requests, routing: defining URL routes and sending response, serving static files, exploring Middleware, using the Express router, using controllers to define functionality, defining dynamic routes with URL parameters, working with querystrings and posted form data.
 - MongoDB- Introduction to NoSQL databases, basics of MongoDB, setting up MongoDB server, setting up MongoDB client, Getting started with the Mongo shell, Interacting with data from the command line (Mongo shell), Importing and exporting data, Connecting to a Node.js application, Querying the database from Node.js, Creating documents from Node.js
- AngularJS- Expressions and Data-Binding, Built-in Directives, Built-in Filters, Controllers, \$scope and controllers, Modules, Single Page Apps, Routes, Templates, Built-in Services, Application Architecture, Custom Services, Service vs Factory, Custom Filters

Outcome

- Trained to use MongoDB (NoSQL) Database
- Learning AngularJS as Single Page Application development tool
- Understand Server Application Development using Express
- Build up skills required for developing dynamic websites
- Enables collaboration of front-end developers, back-end developer and designer

Career Option

- Web developer
- Mobile application developer
- Website Manager
- MEAN Stack Instructor

Duration : 4 Weeks

Fees: Rs.2100/- + GST

Eligibility

Knowledge of any programming language

Permanent Campus

Bada Phull, Birla Farms, Ropar-140001
Phone: 01881-257005,257006

Facility at Chandigarh

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