**Basics**

* 3-tier Architecture
* Web services
* Micro services
* REST API
* SPA vs MPA
* Design Patterns- Singleton, Factory, Prototype, Composite

**Frontend**

* Angular 8 basics and environment setup
* Typescript basics
* Components and understanding angular architecture
* Data binding, property binding, event binding
* Routing
* Simple table/form layout
* Interaction between components
* Form binding
* Lazy and eager loading
* Structure directives
* Template Driven and reactive form
* Array list based forms
* Designing a form using bootstrap
* Bootstrap design- grid system, card, input, rows and columns
* Services
* HTTP Modules using JSON file in localhost
* Synchronous and asynchronous programming
* CRUD operation in angular with Web API

**Backend**

* MongoDB installation and basics
* Express,nodejs and mongoose basics and installation
* Creating models and Routes in Nodejs
* Creating CRUD APIs’ in postman software
* Testing the APIs’ in Postman Application
* Connecting the frontend and backend together using MEAN stack

**Project**

* Project- Create a social networking site using mean stack