

BCSE0252: FULL STACK USING NODE JS

Objective: The objective is to provide a comprehensive study of the Backend. It stresses the strengths of Web (Full Stack), which provide students with the means of writing efficient, maintainable, and portable Website.

Credits: 03

L-T-P:J: 3-0-0-0

Module No.	Content	Teaching Hours
I	<p>MongoDB: Introduction to MongoDB, MongoDB Environment, MongoDB Create Database, MongoDB Drop Database, MongoDB Create Collection, MongoDB Drop Collection, MongoDB Read Operations, MongoDB Write Operations, MongoDB Data Modelling, MongoDB Administration.</p> <p>Angular JS: Introduction to AngularJS, AngularJS Expressions, AngularJS Modules, AngularJS Data Binding, AngularJS Scopes, AngularJS Directives & Events, AngularJS Controllers, AngularJS Filters, AngularJS Services, AngularJS HTTP, AngularJS Tables, AngularJS Select, Fetching Data from MySQL, AngularJS Validation, AngularJS API.</p> <p>Express Framework: Introduction to Express Framework, Introduction to Nodejs, what is Nodejs, Getting Started with Express, Express Routing,</p>	20
II	<p>Express Framework: Implementing MVC in Express, Middleware, Using Template Engines, Error Handling, API Handling, Debugging, Developing Template Engines, Using Process Managers, Security & Deployment.</p> <p>Node.js: Introduction to Node JS, Setup Dev Environment, Node Core, Node Modules, Creating Web server, File System, Debugging Node JS Application, Automation and Deployment, Events & Database connectivity.</p> <p>React.js: Welcome to Starting with React, React Components, React State and Props, React Event Handling, Routing in React React flux, &. Styling React</p>	20