

Front-End Syllabus

HTML

- Introduction
- Basic Formatting Tags
- Grouping Using Div Span
- Lists
- Images
- Hyperlink
- Table
- frame
- Form
- Headers

Css2

- Introduction
- Syntax
- Selectors
- Color Background
- Text Fonts
- Lists Tables
- Box Model
- Display Positioning
- Floats

JavaScript

- Introduction
- JS in HTML
- HTML DOM (Document Object Model)
- JS Console
- JS Debugging
- Arrays
- JS Objects

- JS Functions
- JS dialog boxes
- HTML Attributes etc.

Advance JavaScript

- Variable Hoisting in JavaScript
- JS let & const
- Model
- Model
- Arrow function
- Find, Filter & Map function
- JS Object Constructors
- String & Template literals
- Event in JS
- Class
- Map & Set

Bootstrap

Introduction of Responsive Bootstrap

- Introducing Bootstrap
- Creative a Simple Page
- Enhancing the Page

Responsive Layouts with the Bootstrap Grid

- Introducing of Grid
- How the Bootstrap Grid Works
- Layout in Bootstrap
- Styling Content

Using Bootstrap Components

- Building a Navbar
- Adding Buttons and Button Groups
- Horizontal Nav and Dropdown Buttons
- Displaying Content with Cards
- Building the List Group

Building Forms with Bootstrap

- Form Groups and Form Controls
- Custom Form Controls for Cross-Browser Consistency
- Structured Form Layouts with the Grid
- Adding Validation Styles

Reactjs

- React JS Introduction
- Advantages of scripting languages
- Features, Advantages & Limitations of React JS
- Setting up Environment
- Module Import-Export
- JSX In Depth
- Babel compiler in React JS
- Components in React JS
- Props in React JS
- Fragments in React JS
- Bootstrap in React JS
- Bootstrap-icon in React JS
- React Conditional Rendering
- API Call in React
- Hooks in React JS
- tus Completo Java Clas
- Context in React JS
- Form in React JS
- React Router

Node JS

Introduction to Node JS

- Introduction
- What is Node JS?
- Advantages of Node JS
- Node.js Process Model

Setup Dev Environment

- Install Node.js on Windows
- Install in mac os
- Working in REPL
- Node JS Console

Node JS Modules

- Functions
- Buffer
- Module
- Module Types
- Core Modules
- Local Modules
- Module. Export

Node Package Manager

- * What is NPM
- * Installing Packages Locally
- * Adding dependency in package.Json
- * Installing packages globally
- * Updating packages

Creating Web server

- * Creating web server
- * Handling http requests
- * Sending requests

File System

- * Fs.readFile
- * Writing a File
- * Writing a file asynchronously
- * Opening a file
- * Deleting a file
- * Other IO Operations

Debugging Node JS Application

- * Core Node JS debugger

- * Debugging with Visual Studio

Events

- EventEmitter class
- * Returning event emitter
- Inhering events

Express.JS

- Configuring routes
- Working with express

Database connectivity

- Connection string
- Configuring
- Working with select command
- Updating records
- Deleting records

Angular installation

Angular Project Flow(Folder Structure)

- Types of data bindings in Angular
- String interpolation
- Property Binding
- Event Binding
- Two way Data Binding

Decorators used in Angular

- Component
- @NgModule
- @Injectable
- @Input
- @Output
- @HostListner
- @directives
- @pipes

Pipes in Angular

- What is pipes

- How to use pipes in angular
- Types of pipes
- Custom pipes
- Predefine pipes

Directives in Angular

- What is directives in angular
- How to use directives
- Types of directives
- Structural directives
- Attribute directives
- Custom directives

Services in Angular

- What is services in angular?
- How to use services
- How to generate services

Angular CRUD

- Insert data to database
- Get data from database
- Update data in database
- Delete data from database

Json-Server

- How to install json-server
- How to use json-server

Bootstrap & Font-Awesome

- Library Installation

Angular material

- Material table

- Material form

Angular Forms

- Template driven forms
- Reactive forms
- Form builder
- Form Group
- Form Control

Routing

- What is Routing?
- Advantages of routing
- How to use routing
- Child Routing

Project

- Core Project
- Live Project

Certificate