# MEAN/MERN STACKS

**SDLC**

* software
* SDLC life cycles
* Agile life cycle
* Jira

**HTML**(@latest)

* HTML Introduction
* VS Editor
* Folders and Files, Extensions
* HTML structure
* Types of Elements (block,unblock,single,child)
* HTML Attributes
* HTML Favicon
* HTML iframe 3D and general map
* Project on HTML
* Login form
* Signup form
* Biodata form
* Animation 10 projects

# CSS(@latest)

* Introduction to CSS
* Types of Style Sheets
* Types of CSS
* Types of selectors
* Font family, font size(depth into sizes), font weight, font style
* Text align and Text decoration
* BOX Model
* Text transform, word spacing, letter spacing, text shadow and text decoration
* Background color, Box methodology and float.
* Margin, margin top, right, left and bottom
* Padding, padding left, top, right and bottom
* Width and height property, out line
* Border Radius and border shadow.
* Transition
* Knowing live server in VS Code
* Adding background and properties called repeat, position, size attachment etc
* Adding Multiple background images, image border.
* Tables
* hover, link, active and visited
* modifying css all properties through inspect.
* Animations
* Applying css properties to the html projects
* Animation projects.

# BOOTSTRAP(@latest)

* Introduction
* CDN concept
* Grid system
* Row system
* Containers systems
* Components (All type of components)
* API linking in header
* API linking in body
* Examples
* Icons
* Themes
* Mock projects

# GITHUB(@latest)

* Github introduction
* Git installations
* Creating account in Github
* Creating clones of Git
* Pushing soucre code into Github by using linux commands

# JAVASCRIPT(@latest)

* Why J.S
* Variables
* JS hoisting
* Data types
* Identifiers
* Var , Let, Const scope
* String methods.
* Number methods.
* Math methods
* Arrays CRUD methods
* Object CRUD methods
* Types of operators
* Functions
* Events
* Dates
* If else
* If elseif else
* For loop
* While loop
* Do while
* Switch
* Event liseners in JS
* DOM
* BOM
* JSON
* This and return keywords
* Classes, constructor and Object
* Diff B/w Asynchronous and synchronous.
* Diff B/w code editor and IDE.
* Local Storage and Session Storage.
* Exception handle.
* Async, await, callback and promise.
* Element, console, sources, network and of Devtools in JS
* Network API header preview initiator timing response.

# ANGULAR(@latest)

* Introduction
* Monolith
* Micro services
* Frame work and library
* Architecture
* Interpolation
* Class binding
* Style binding
* Assets
* Event binding
* NG model binding
* NG switch
* NG for
* Components
* Array binding
* Object binding
* Reactive form
* Template form
* Dependency injection
* Services
* Bootstrap
* Angular materials
* Routing
* JSON data
* GitHub
* CRUD project(MEAN)

# SQL(@latest)

* Introduction of sql
* Installation of mysql
* Sql vs Cloud computing
* Frontend backend usage of sql
* Table creation
* Databases creation
* Drop databases
* Altering
* Updating
* Deleting
* Crud operations
* Constraints
* Aggregate functions
* Joins
* Sub queries
* Indexing
* Views
* Stored procedures

# NODE JS And MongoDB

**Introduction**

* What is Node Js
* Installing Node and creating first app

**Understanding the Basics**

* Module Introduction
* How The Web Works
* Creating a Node Server
* The Node Lifecycle & Event Loop
* Controlling the Node.js Process
* Understanding Requests
* Sending Responses
* Request & Response Headers
* Routing Requests
* Redirecting Requests
* Parsing Request Bodies
* Understanding Event Driven Code Execution
* Blocking and Non-Blocking Code
* Node.js - Looking Behind the Scenes
* Using the Node Modules System

**Development Workﬂow and Debugging**

* Module Introduction]
* Understanding NPM Scripts
* Installing 3rd Party Packages
* Global Features vs Core Modules vs Third-Party Modules
* Using Nodemon for Auto Restarts
* Global & Local npm Packages
* Understanding different Error Types
* Finding & Fixing Syntax Errors
* Dealing with Runtime Errors
* Logical Errors
* Using the Debugger
* Restarting the Debugger Automatically After Editing our App
* Debugging Node.js in Visual Studio Code
* Changing Variables in the Debug Console

**Working With Express Js**

* Module Introduction
* What is Express.js?
* Installing Express.js
* Adding Middleware
* How Middleware Works
* Express.js - Looking Behind the Scenes
* Handling Different Routes
* Parsing Incoming Requests
* Limiting Middleware Execution to POST Requests
* Using Express Router
* Adding a 404 Error Page
* Filtering Paths
* Creating HTML Pages
* Serving HTML Pages
* Returning a 404 Page
* Styling our Pages
* Serving Files Statically