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