**MERN Full Stack Development Program**

**Introduction** and Overview (1 session)

**Java Script: (14 sessions)**

Data Types, Operators, Control Constructs, Functions, Promise, Async Await(9)

Practice Sessions(4)

Java Script for Web: Event Listeners(1)

**HTML ,CSS : (4 sessions)**

HTML Elements, Box Model, typography, Transitions, Transforms, Flex, Grid, Practice Sessions(4)

**React (Front End): (18 sessions)**  
 Introduction to React, basic hooks, props(4)

Practice(2)

Some more basic hooks, Practice(2)

Advanced hooks, React Router Dom, practice(3)

React Redux, Practice(3)

Form Validation, Authentication with Firebase, Practice(4)

**Node, Express: (3 sessions)**  
 Node basics, Express Middleware, Server, request, response   
  
**MongoDB: (5 sessions)**  
 DB Basics, SQL , No SQL comparison, DB Creation, Query, Aggregation, Practice (5)

**Backend Development: (8 sessions)**  
 Integrating Node, Express and Mongo DB, mongoose(ODM), Practice (6)  
 Integrating Front End with Back End (2)

**Full Stack MERN Projects: (10 sessions)**  
 Two Practice Projects