**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