Excellence Educational Academy

Alipore, Kolkata

*[Where **TALENT** is the keyword]*

<u>*Sister Concern is*</u>

e-DIGITAL LEARNING

AN INSTITUTE FOR MULTIDISCIPLINE TECHNICAL COACHING CLASSES & GUIDANCE

[Founded and Directed by a Renowned Academicians & Corporate Professionals]

Ref. No. : EEA/MERN/IT/2023   **Date : 11/08/2023**

IT Professional Course Curriculum for IT Participants

<u>Name of the Corporate Training Course:</u>

MERN Full Stack Web Development

Synopsis : This will enable the students to build interactive and responsive web applications from start to finish using one of the most versatile tech stacks : MongoDB, Express.js, React.js and Node.js (MERN stack).

Prerequisites : HTML, CSS (Good Knowledge) JavaScript
(Basics like loops, conditions, functions, etc.)

Total Duration : 40 Hrs [35 Hours + 5 Hours (Capstone Project)]
Program Modules
* Refresher & Gap analysis **[2 classes]**
A. React [15 hrs]
JavaScript ES6 - A quick refresher

1. React Basic Concepts
2. Functional Components and Props
3. Hooks (useState and useEffect)
4. API's Integration
5. Advanced Redux
6. Multipage SPA with React Router
7. Adding Authentication

B. MongoDB [6 hrs]

1. MongoDB Basic Concept
2. MongoDB Atlas Set up

C. Node JS with Express [12 hrs]

1. Node JS Basics
2. Server Setup with Express JS
3. MongoDB (NoSQL server) Add
4. Dynamic Routes
5. Adding Authentication
6. Error Handlings
7. File Upload
8. Rest APIs

D. Capstone Projects [5 hrs]

Building and managing an e-commerce website (Product and Category Add/Edit/Delete) with User and Admin Authentication.

About Course

- If You Want To Take This Course **Online** , The Course fees Will be **3000 rupee/month.**
- If You Want To Take This Course **Offline**, The Course fees Will be **4000 rupee/month.**
- Course Duration – **3 Months i.e. 40 Hrs [35 Hours + 5 Hours (Capstone Project)]**
- Payment - (Strictly in MONTHLY system) and ONE-month advance, which will be, adjust in the last month of the course.
- Small group of Study (At-Least **10 students** & At-most **15 students** in ONE group).
- The Classes Will be taken **2 Days/Week and 2 Hours /Day.**
- **On Successful Completion of the Course along with Hands-on Assessment, Certificate will be Awarded.**
- **After Completion of the Course, INTERNSHIP on the same Domain Technology will be provided for doing hands-on work on real-life Industrial Project followed by Job Assistance(Reference for up to 3 Interviews) in IT/SW Industry.**
- **Both Theoretical & Hands-on Training will be Provided by Highly Qualified & IT Experienced Senior Professionals those are fully settled in IT Industry since long and having Job Referral capacities.**

If you are really interested for building a Career with Excellent hi-end Hands-on Studies followed by IT Internship & Job in MERN Full Stack Web Development Domain area in IT/SW Industry, then only Contact below mentioned contact details for Enrollment into the Course.