Name of The Course: Industrial Training & Internship in Full Stack Web Development
Duration: 60hrs (6 weeks)
Fee (in Rs.): Rs 2974 /-

Eligibility: Diploma/B.Sc./B.Tech/ In Electronics, Electrical, Instrumentation Engineering, Computer Science, IT or its equivalent/BCA/MCA. (Completed or Pursuing)

Course Content

1. Basics of HTML, CSS , Javascript – 18 hrs

Introduction, Basic Structure of HTML, Head Section and Elements of Head Section, Formatting Tags: Bold, Italic, Underline, Strikethrough, Div Tag, Anchor, Image Tag, Paragraphs, Comments, Tables, Lists: Ordered List , Unordered List ,html Forms.

Introduction to CSS, Types of CSS, CSS Selectors: Universal Selector, ID selector, Tag Selector, Class Selector, Group Selector, CSS Properties: Back Ground properties, Box properties of css.

Introduction to Client Side Scripting Language, Variables in Java Script, Operators in JS, Conditions Statements, JS Popup Boxes, JS Events, Basic Form Validations in JavaScript.

2. Introduction to ReactJS – 5hours

Inroduction to React js, Setting Up the Development Environment, Creating a React Component, How React Works, React Ecosystem , Building Components, Creating a ListGroup Component, Fragments , Rendering Lists, Conditional Rendering

3.Introduction to NodeJS – 5 hours

What is Node, Node Architecture, How Node Works , Installing Node, Node Module System , Global Object , Modules, Creating a Module, Loading a Module , Module Wrapper Function, Path Module

4. Introduction to Django – 6 Hours

What is Django?, How the Web Works, Setting Up the Development Environment, Writing Views, Mapping URLs to Views, Using Templates, Debugging Django Applications in VSCode, Debugging Django Applications in VSCode, Introduction to Date Modeling.

5.Introduction to PHP-8hrs

Introduction of PHP, Basic Syntax, Defining variable and constant, PHP Data type, Operator and Expression.

Making Decisions, Doing Repetitive task with looping, Mixing Decisions and looping with HTML.

8.Function and Array -6hrs

What is a function, Define a function, how to call a function in php, Anatomy of an Array, Creating index based and Associative array Accessing array, Element   Looping with

Index based array, Looping with associative array using foreach(), Some useful Library function.

7.Handling Html Form with PHP -6hrs

Handling Form data, How to post the form data using GET And POST Method, File Uploading and downloading.

8.Database Connectivity with MySql-6hrs

Introduction to RDBMS, Introduction to MySQL, Connection with MySql Database, performing basic database operation(DML) (Insert, Delete, Update, Select). How to save form data to database and how to fetch data from database using PHP.