

IBM SUMMER TRAINING (OFFLINE) COURSE – FULL STACK DEVELOPMENT

OBJECTIVE OF THE COURSE

Students use their learned skills, knowledge and abilities to develop web sites for the internet. Apply basic design principles to present ideas, information, products, and services on websites. Apply basic programming principles to the construction of websites. Effectively manage website projects using available resources

DURATION OF THE COURSE: 30 HOURS (10 days)

MINIMUM ELIGIBILITY CRITERIA AND PRE-REQUISITE: BASIC KNOWLEDGE OF PROGRAMMING LANGUAGES

- **Day 1:**
 - **Intro of HTML**
 - Basic Elements & Document Setup - Project Basic Elements
 - Lists & Tables - Project List & Table
 - Forms & Input - Project Registration Form
- **Day 2 :**
 - **Intro of CSS**
 - Basic Styling - Project on Basic CSS
 - New Elements - Project on New Elements
 - Video & Audio - Project Audio Visual
 - CSS Basic Styling - Project on Basic Styling
- **Day 3 :**
 - **CSS Advanced**
 - Positioning & Background Images - Project on Images
 - Pseudo Classes - Project on Pseudo Classes
 - Colors, Backgrounds & Gradients - Project on Color Backgrounds
 - Text & Box Shadows - Project Text Shadows
- **Day 4 :**
 - **Java Script**
 - Variables, Arrays & Objects - Project using Arrays and Objects
 - Loops, Conditionals & Switches - Project on Iterations
 - Functions & Events - Project on Functions
 - JavaScript Form Validation - Form Project
- **Day 5 :**
 - **Node J.S**
 - Node.js Intro
 - Node.js Get Started
 - Node.js Modules
- **Day 6 (3 hours):**
 - **Node J.S**
 - Node.js HTTP Module
 - Node.js File System

- Node.js URL Module
- **Day 7 :**
 - **Node JS**
 - Node.js NPM
 - Node.js Events
 - Node.js Upload Files
- **Day 8 :**
 - **Node J.S Advanced**
 - Node.js Email
 - Node J.S and Mongo Db Connectivity
 - Introduction to Express Framework
- **Day 9 :**
 - **Node J.S+Mongo DB**
 - MongoDB Get Started
 - MongoDB Create Database
 - MongoDB Create Collection
 - MongoDB Insert
- **Day 10:**
 - **Node J.S+Mongo DB**
 - MongoDB Find
 - MongoDB Query
 - MongoDB Sort
 - MongoDB Delete