

# FullStack || WEB

Online Internship Program  
3 – 4 Months

## **EISYSTEMS SERVICES**

FF-110, Express Greens Plaza, Sector 1  
Vaishali, Delhi NCR – Uttar Pradesh  
India – 201010

**W:** [www.eisystems.in](http://www.eisystems.in) | **E:** [info@eisystems.in](mailto:info@eisystems.in) | **P:** (+91) 981-160-4130

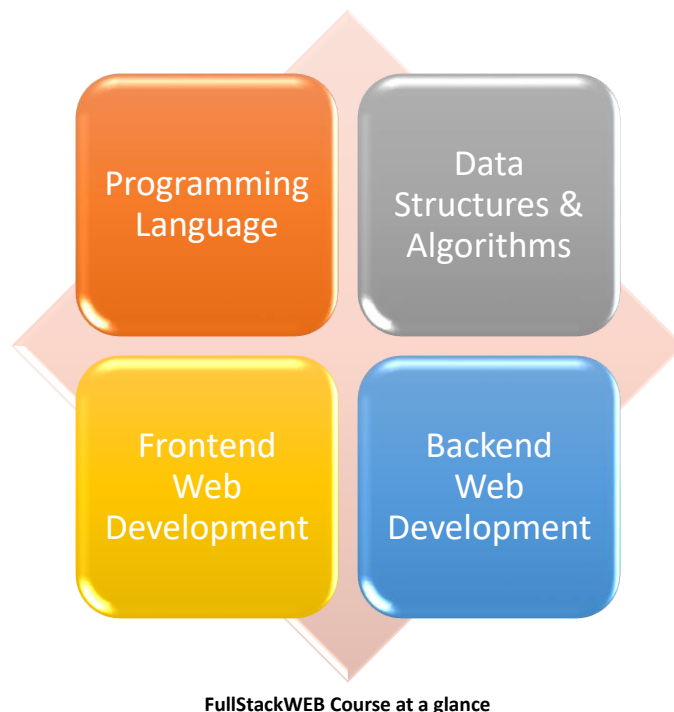
## Why should you join this program?

Join this course if .....

1. You are a passed out / already working and planning to start your journey in IT sector.
2. You want to switch in IT sector especially in Web Development domain.
3. You are seeking a managerial position in your organisation in Web Development Domain.
4. You are in prefinal / final year and searching placement oriented training in internship.

## What this course will cover?

This course will cover most of those topics which will be required as a skill at the time when you will be participating in placement drive, check infographic for your reference.



### Requirements

We expect participant(s) to have

1. A laptop with Microsoft Windows configuration with minimum 8GB RAM.
2. Laptop Charger/ Adapter for charging purpose.
3. Internet Connectivity.
4. Smartphone (4G/5G) to attend online training sessions.

### Post Training Deliverables

Every participant will get all under mentioned deliverables

1. 80 hours training by specialized trainer.
2. Offer Letter
3. Certificate of Internship with Project Mentioning
4. Study Material / Classroom Material
5. Guidance for Entrepreneurship in chosen field or employment support.
6. Chance to assist our trainer in our workshop(s) at IISc, IITs, NITs etc.

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## Module 1



### HTML & CSS with Bootstrap

<p><b>Session 1</b> <b>Internet &amp; Websites Session</b> What is Internet? What is WWW? What is Webpage? What is a Website? Types of Website</p> <p><b>Session 2</b> <b>Understand HTML Fundamentals</b> HTML Metatags Keywords Head, Body, Footer Closing tags &amp; Commonly used symbols.</p> <p><b>Session 3</b> <b>Understand CSS Fundamentals</b> Analyze the impact of using Inline Styles Internal Style Sheets External Style Sheets Construct &amp; Analyze rule sets Valid syntax for the CSS rule set; selectors including class, id, elements and pseudo-class</p> <p><b>Session 4</b> <b>Structure Documents using HTML</b> Table Tags h1-h6 p br div span li Semantic Tags Header Footer Summary etc.</p>	<p><b>Session 5</b> <b>Structure Documents using HTML -2</b> Markup that implements navigation Target Bookmark Image Link Hyperlink Folder Hierarchies Form Elements Form Attributes: action; method; submission methods input types &amp; restrictions buttons</p> <p><b>Session 6</b> <b>Present Multimedia using HTML</b> img &amp; picture elements &amp; their attributes. Videos &amp; simple iframe implementation. Examples &amp; Codes implementing multimedia</p> <p><b>Session 7</b> <b>Style Web Pages using CSS</b> Position Content Positioning, including float, relative, absolute, max-width Overflow height, width &amp; align etc.</p> <p><b>Format Text</b> Font-family, color, font-style, font-size, link colors Text formatting &amp; decoration. Background &amp; Borders Border-color &amp; style Border width &amp; colors</p> <p><b>Session 8</b> Introduction to Bootstrap Syntax of Bootstrap Introduction to Container &amp; Container Fluids Connectivity of Bootstrap</p>
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<p><b>Session 9</b> Domain &amp; Hosting Session Domain &amp; Domain Names WHOIS Lookup Domain &amp; Anti Domain Registration Hosting of website</p> <p><b>Session 10</b> Webpage/Website Uploading Domain Hosting cPanel &amp; some of its important sections. Error Page Configuration Visiting webpages live &amp; watch through Google Analytics</p>	<p><b>Session 11</b> Search Engine Optimization(SEO) sitemap meta keywords &amp; description favicon</p> <p>You will be working on</p> <div>   </div>
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## Module 2

### JavaScript

<p><b>Session 1</b> Introduction Implementation HTML Tags in Javascript Comments Variables Variables ( Let &amp; Const )</p> <p><b>Session 2</b> Data Types Arithmetic Operators Assignment Operators JS with Google Chrome Console Comparison Operators</p> <p><b>Session 3</b> If Statement Logical Operators If Else Statement If Else If Statement Conditional Ternary Operator Switch Case</p> <p><b>Session 4</b> Alert Box Confirm Box Prompt Box</p>	<p><b>Session 5</b> Functions Functions with Parameters Functions with Return Value Global &amp; Local Variable Events</p> <p><b>Session 6</b> While Loop Do While Loop For Loop Break &amp; Continue Statement Even &amp; Odd with Loops Nested Loop JavaScript Nested Loop - II</p> <p><b>Session 7</b> Arrays Create Arrays Method - II Multidimensional Arrays Modify &amp; Delete Array Array Sort &amp; Reverse Array Pop &amp; Push Array Shift &amp; Unshift Array Concat &amp; Join Array Slice &amp; Splice</p>
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<p><b>Session 8</b> isArray Array index Array Includes Array Some &amp; Every Array find &amp; findIndex Array Filter Array Methods</p> <p><b>Session 9</b> JS for Each Loop Objects Objects - II Array of Objects Const Variable with Array &amp; Objects For in Loop Map Method</p> <p><b>Session 10</b> String Methods Number Methods Math Methods Date Methods</p> <p><b>Session 11</b> DOM Introduction DOM Targeting Methods DOM Get &amp; Set Value Methods DOM querySelectors DOM CSS Styling Methods</p>	<p><b>Session 12</b> addEventListener Method classList Methods parent Method Children Methods firstChild &amp; lastChild Method nextSibling &amp; prevSibling Method create &amp; TextNode appendChild &amp; insertBefore insert replaceChild &amp; removeChild cloneNode Contains isEqualNode</p> <p><b>Session 13</b> JS Forms Form Events Form Events - II</p> <p><b>Session 14</b> JS Effects Interval Timeout</p> <p><b>You will be working on</b></p> <div>  </div>
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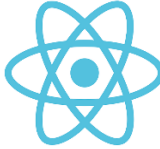

## Module 3

### ReactJS

<b>Session 1</b> Home Setup Getting Started ES6 Render HTML JSX Components  <b>Session 2</b> Class Props Events Conditional Lists	<b>Session 3</b> Forms Router Memo CSS Styling  <b>Session 4</b> Hooks What is a Hook? useState Hook useEffect Hook useContext useRef useReducer useCallback useMemo
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## Module 4

### NodeJS & MongoDB

<b>Session 1</b> <b>NodeJS</b> Introduction to NodeJS Modules Creation & Loading of Modules Path Module OS Module File System Module  <b>Session 2</b> <b>Database</b> File Based Storage System Introduction to Database Management System DBMS Classification Relational Database Management System Non Relational Database Management System	<b>Session 3</b> <b>MongoDB</b> Schemas Models Comparing Query Operators Logical Query Operators Regular Expressions Counting Pagination  <b>You will be working on</b>  <b>React JS</b>  <b>mongo DB</b>
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## Final Project

### Note

Eisystems Services reserves complete right to alter/modify above mentioned course by deleting or adding sessions in it at the time of delivery of training and attendee will not be having any issue in it as this modification/alteration can be done without any prior notification to attendee/student. Programming Language referred above means all tasks related to programming will be implemented in Python and few sessions mentioned in syllabus will be delivered in recorded video / self paced format. This course is a bundled course so there may be a difference between starting of Data Structures module and ending of previously delivered module and it may go upto 6 weeks.

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