

| <b>MODULES</b>        | <b>DAY</b> | <b>TOPICS</b>  | <b>DURATION IN HOURS</b> |
|-----------------------|------------|--|--------------------------|
| <b>1.1 HTML/HTML5</b> | Day 1      | HTMLS Basics   | <b>16</b>                |
|                       | Day 2      | Tables, Lists  |                          |
|                       | Day 3      | Working with Links   |                          |
|                       | Day 4      | Image Handling. HTML Colors                                |                          |
|                       | Day 5      | Frames, Frames, Forms                                      |                          |
|                       | Day 6      | HTML Forms for user Input                                  |                          |
|                       | Day 7      | New Form Elements  |                          |
|                       | Day 8      | HTML5 Client-Side Storage                                  |                          |
|                       |            |  |                          |
| <b>2.1 CSS3</b>       | Day 1      | CSS-Introduction   | <b>18</b>                |
|                       | Day 2      | CSS-Syntax   |                          |
|                       | Day 3      | CSS-Text Fonts   |                          |
|                       | Day 4      | CSS-Lists Tables   |                          |
|                       | Day 5      | CSS-Box Model, CSS-Display Positioning                     |                          |
|                       | Day 6      | CSS Floats, Color, Gradients, Background Images, and Masks |                          |
|                       | Day 7      | Border and Box Effects, Working with Colors                |                          |
|                       | Day 8      | Layout: Columns, Flex Box                                  |                          |
|                       | Day 9      | Implementing CSSB, Transforms, Transitions, and Animations |                          |
|                       |            |  |                          |
| <b>3.1 BOOTSTRAP</b>  | Day 1      | Introduction to Bootstrap - Session 1                      | <b>16</b>                |
|                       | Day 2      | Introduction to Bootstrap - Digital 1                      |                          |
|                       | Day 3      | Bootstrap Grid - Session 1                                 |                          |
|                       | Day 4      | Bootstrap Grid - Digital 1                                 |                          |
|                       | Day 5      | Bootstrap Grid - Digital 2                                 |                          |

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|                       | Day 6  | Bootstrap Grid - Digital 3                 |           |
|                       | Day 7  | Bootstrap Components & Plugins - Digital 1 |           |
|                       | Day 8  | Bootstrap Components & Plugins - Digital 2 |           |
|                       |        |  |           |
|                       | Day 1  | JavaScript Fundamentals - Digital 1        |           |
|                       | Day 2  | JavaScript Fundamentals - Session 1        |           |
|                       | Day 3  | JavaScript Fundamentals - Session 2        |           |
|                       | Day 4  | JavaScript Fundamentals Digital 2          |           |
| <b>4.1 JAVASCRIPT</b> | Day 5  | BOM (Browser Object Model)                 | <b>42</b> |
|                       | Day 6  | DOM (Document Object Model) - Session 1    |           |
|                       | Day 7  | DOM (Document Object Model) - Digital 1    |           |
|                       | Day 8  | Advanced working with functions            |           |
|                       | Day 9  | AJAX Development - Session 1               |           |
|                       | Day 10 | AJAX Development - Session 2               |           |
|                       | Day 11 | ES6 Features - Session 1                   |           |
|                       | Day 12 | ES6 Features - Session 2                   |           |
|                       | Day 13 | ES6 Features - Session 3                   |           |
|                       | Day 14 | ES6 Features - Digital 1                   |           |
|                       | Day 15 | Modules                                    |           |
|                       | Day 16 | TypeScript - Session 1                     |           |
|                       | Day 17 | TypeScript - Session 2                     |           |
|                       | Day 18 | TypeScript - Digital 1                     |           |
|                       | Day 19 | TypeScript - Digital 2                     |           |
|                       | Day 20 | TypeScript - Session 3                     |           |
|                       | Day 21 | TypeScript - Digital 3                     |           |

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| <b>5.1 MONGODB</b>    | Day 1  | MongoDB - Overview                   | <b>20</b> |
|                       | Day 2  | CRUD Operations                      |           |
|                       | Day 3  | Basic Operations - Session 1         |           |
|                       | Day 4  | Basic Operations - Digital 1         |           |
|                       | Day 5  | Aggregations - Session 1             |           |
|                       | Day 6  | Aggregations - Digital 1             |           |
|                       | Day 7  | Indexing - Session 1                 |           |
|                       | Day 8  | Indexing - Digital 1                 |           |
|                       | Day 9  | Replication and Sharding - Digital 1 |           |
|                       | Day 10 | Replication and Sharding - Digital 2 |           |
|                       |        |                                      |           |
| <b>6.1 EXPRESS JS</b> | Day 1  | Introduction of ExpressJs            | <b>20</b> |
|                       | Day 2  | Templating Engines - Session 1       |           |
|                       | Day 3  | Templating Engines - Session 2       |           |
|                       | Day 4  | Basic Operations - Digital 1         |           |
|                       | Day 5  | Aggregations - Session 1             |           |
|                       |        |                                      |           |
|                       | Day 6  | Aggregations - Digital 1             | <b>20</b> |
|                       | Day 7  | Indexing - Session 1                 |           |
|                       | Day 8  | Indexing - Digital 1                 |           |
|                       | Day 9  | Replication and Sharing - Digital 1  |           |
|                       | Day 10 | Replication and Sharding - Digital 2 |           |
|                       |        |                                      |           |
| <b>7.1 REACT JS</b>   | Day 1  | React Introduction - Session 1       | <b>42</b> |
|                       | Day 2  | React Introduction - Session         |           |

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| Day 3  | React Essential Features and Syntax - Session 1 |
| Day 4  | React Essential Features and Syntax - Session 2 |
| Day 5  | React Components, Props and State - Session 1   |
| Day 6  | React Components, Props and State - Digital 1   |
| Day 7  | Styling Components - Session 1                  |
| Day 8  | Styling Components Digital 1                    |
| Day 9  | Debugging React Apps - Session 1                |
| Day 10 | Debugging React Apps Digital 1                  |
| Day 11 | React Component lifecycle • Session 1           |
| Day 12 | React Component in Details - Session 1          |
| Day 13 | React Component in Details - Digital 1          |
| Day 14 | HTTP Requests/AJAX Calls - Session 1            |
| Day 15 | HTTP Requests/AJAX Calls - Session 2            |
| Day 16 | React Routing - Session 1                       |
| Day 17 | React Routing - Digital 1                       |
| Day 18 | React Forms and Form Validation - Session 1     |
| Day 19 | React Forms and Form Validation - Digital 1     |
| Day 20 | React Forms and Form Validation - Digital 2     |
| Day 21 | Deploying React App to the Web, Day 1           |

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| Day 1 | Introduction to NodeJS      |
| Day 2 | Setup Dev Environment       |
| Day 3 | Event Loop - Session 1      |
| Day 4 | Event Loop - Digital 1      |
| Day 5 | Node JS Modules - Session 1 |
| Day 6 | Node JS Modules - Digital 1 |

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| <b>8.1 NODE JS</b> | Day 7  | Node Package Manager - Session 1 | <b>26</b>  |
|                    | Day 8  | Node Package Manager - Session 2 |            |
|                    | Day 9  | Creating Web server              |            |
|                    | Day 10 | File System - Session 1          |            |
|                    | Day 11 | File System - Digital 1          |            |
|                    | Day 12 | Debugging Node JS Application    |            |
|                    | Day 13 | Events                           |            |
|                    |        |                                  |            |
| <b>TOTAL HOURS</b> |        |                                  | <b>200</b> |