

**Course No(N&M|Mn|T|250): Web Technologies -II**

| Course No.   | Type of Course | Theory / Practical | Credits | Instruction hour per week | Total No. of Lectures/Hours / Semester | Duration of Exam | Formative Assessment Marks | Summative Assessment Marks | Total Marks |
|--------------|----------------|--------------------|---------|---------------------------|--|------------------|----------------------------|----------------------------|-------------|
| N&M Mn T 250 | Mn             | Theory             | 2       | 2                         | 30                                     |                  | ----                       | ----                       | ----        |

**Course Title of the Course (N&M|Mn|T|250): Web Technologies -II****Course Outcome (CO):**

After completion of course students will be able to:

**CO1:** - To Understand the concept of Client and Server Side Scripting .

**CO 2:** - To create web pages using Javascript and PHP.

**CO3:-** It will equip the students with skills required for designing, developing web applications

| Web Technology -II   | Total Hrs:<br>30 |
|--|------------------|
| <b>Unit-I</b>  | <b>10 hrs</b>    |
| <b>Client Side Scripting with JavaScript</b><br>Structure of JavaScript Program; Variables and Data Types; Statements: Expression, Keyword, Block; Operators; Flow Controls, Looping, Functions; Popup Boxes: Alert, Confirm, Prompt; Objects and properties; Constructors; Arrays; Built-in Objects: Window, String, Number, Boolean, Date, Math, RegExp, Form, DOM; User Defined Objects; Event Handling and Form Validation, Error Handling, Handling Cookies |                  |
| <b>Unit-II :</b>   | <b>10 hrs</b>    |
| <b>Server Side Scripting using PHP</b><br>PHP Syntax, Variables, Data Types, Strings, Constants, Operators, Control structure, Functions, Array, Creating Class and Objects, PHP Forms, Accessing Form Elements, Form Validation, Events, Cookies, and Sessions. Working with PHP and MySQL, Connecting to Database, Creating,   |                  |

|   |               |
|---|---------------|
| Selecting, Deleting, Updating Records in a table, Inserting Multiple Data.<br>Introduction to Angular and Web Applications Frameworks   |               |
| <b>Unit-III :</b>   | <b>10 hrs</b> |
| Working with PHP and MySQL, Connecting to Database, Creating, Selecting, Deleting, Updating Records in a table, Inserting Multiple Data.<br>Introduction to Angular and Web Applications Frameworks |               |

**Books Recommended:**

1. Web Design with HTML, CSS, JavaScript and jQuery Set, Jon Duckett, John Wiley & Sons.
2. Learning PHP, MySQL & JavaScript: with jQuery, CSS & HTML5, Robin Nixon, O'Reilly.
3. JavaScript: The Web Technologies Series, Don Gosseli, Course Technology Cengage Learning.
4. Web Technologies, Uttam K Roy, Oxford University Press.
5. The Complete Reference PHP – Steven Holzner, Tata McGraw-Hill.

**Course No(N&M|Mn|T|251): Statistics for Data Science**

| Course No.              | Type of Course | Theory / Practical | Credits | Instruction hour per week | Total No. of Lectures/Hours / Semester | Duration of Exam | Formative Assessment Marks | Summative Assessment Marks | Total Marks |
|-------------------------|----------------|--------------------|---------|---------------------------|--|------------------|----------------------------|----------------------------|-------------|
| <b>N&amp;M Mn T 251</b> | <b>Mn</b>      | Theory             | 2       | 2                         | 30                                     |                  | ----                       | ----                       | ----        |

**Course Title of the Course (N&M|Mn|T|251): Statistics for Data Science**

**Course Outcome (CO):**

After completion of course students will be able to:

**CO1:** Understand the fundamental concepts of statistics and their application in data science.

**CO2:** Be able to summarize, visualize, and interpret data using statistical methods.

**CO3:** Apply statistical tools and techniques to solve real-world data science problems