

DAV AUTONOMOUS COLLEGE TITILAGARH

Value Added Course on “Front End Web Development” (Department of Computer Science)

Syllabus

Course Outcome

1. Develop the skill and knowledge of web page designing
2. Learn creation of websites
3. Learn CSS Properties and styling properties
4. Design and develop standard and interactive web pages.

Eligibility

Higher Secondary School Certificate (10+2)

Duration - 40 Hours (16 theory hours+ 24 Practical hours)

| ALLOCAION OF TOTAL HOURS FOR EACH CHAPTER | | | | |
|---|--|------------|---------------|-----------|
| Sl. No. | Chapter | Theory Hrs | Practical Hrs | Total Hrs |
| 1 | Introduction to Internet and Web Programming | 2 | 0 | 2 |
| 2 | Introduction to HTML | 2 | 2 | 4 |
| 3 | HTML Lists and Tables | 1 | 3 | 4 |
| 4. | HTML Frames and Forms | 2 | 6 | 8 |
| 5 | Introduction to CSS | 2 | 2 | 4 |
| 6 | Inserting CSS | 1 | 2 | 3 |
| 7 | Properties of CSS | 2 | 5 | 7 |
| 8 | CSS Box Model | 1 | 2 | 3 |
| 9. | Introduction to Java Script | 2 | 1 | 3 |
| 10 | Introduction to PHP | 1 | 1 | 2 |
| Total Hours | | 16 | 24 | 40 |

Detail Syllabus

| Sl.No | Topic | Lectures |
|--------------|---|-----------------|
| 1. | Introduction to Internet and Web Programming | 2 |
| | 1.1 Introduction to Networking | |
| | 1.2 Introduction to Internet | |
| | 1.3 WWW | |
| | 1.4 Types of Browsers | |
| | 1.5 Static and Dynamic websites | |
| 2. | Introduction to HTML | 4 |
| | 2.1 HTML History | |
| | 2.2 Common Tags | |
| | 2.3 Heading , Paragraph and Line breaks | |
| | 2.4 Working with text manipulation tags | |
| | 2.5 Working with images | |
| | 2.6 Working with hyperlinks | |
| 3. | HTML Lists and Tables | 4 |
| | 3.1 Ordered List | |
| | 3.2 Unordered List | |
| | 3.3 Defination List | |
| | 3.4 Working with tables | |
| | 3.5 Table Attributes | |
| 4. | HTML Frames and Forms | 8 |
| | 4.1 Working with frames | |
| | 4.2 Using Framesets | |
| | 4.3 Working with forms | |
| | 4.4 Various form controls | |
| | 4.5 Submit and reset button | |
| 5. | Introduction to CSS | 4 |
| | 5.1 Concept of CSS | |
| | 5.2 Style sheet properties | |
| | 5.3 CSS ID , class, Grouping | |
| | 5.4 Width and Height | |
| | 5.5 Border and Collapse border | |
| 6. | Inserting CSS | 3 |
| | 6.1 Inline CSS | |
| | 6.2 External CSS | |
| | 6.3 Internal CSS | |

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| 7. Properties of CSS | 7 |
| 7.1 Background | |
| 7.2 Text | |
| 7.3 Fonts | |
| 7.4 Links | |
| 7.5 Lists | |
| 7.6 Position | |
| 8. CSS Box Model | 3 |
| 8.1 Margin | |
| 8.2 Border | |
| 8.3 Content | |
| 8.4 Padding | |
| 9. Introduction to Java Script | 3 |
| 9.1 what is java script | |
| 9.2 Creating simple java scripts | |
| 9.3 Variables conditions and loops | |
| 9.4 Dialog boxes | |
| 10.Introduction to PHP | 2 |
| 10.1 PHP Basics | |
| 10.2 Variables, data types, operators of PHP | |

References

Web Technology --- Black book- Dream Tech Press
John Duckett , beginning HTML, XHTML,CSS and JavaScript
HTML5 for Web Designers—Jeremy Keith