

Course Name: Basics of Web Technologies and Programming concepts.

Introduction: This is a basic course on Web technologies and programming websites and application. The student will know the brief study of data which is stored in internet. This course will help to gain computer knowledge.

Duration: 3 Weeks

Syllabus of Web technology:

- a. Introduction to web technologies.
- b. HTML 4
- c. HTML 5
- d. CSS
- e. Introduction to Javascript
- f. Introduction to Web Database and how it is managed.
- g. Introduction to Web Hosting
- h. Introduction to CMS

Aims & Objectives:

The aims and objectives of this course are listed below:

- Knowledge of webpage, ISP, dynamic and static webpage.
- Analyse a web page and identify its elements and attributes.
- Create webpage using HTML and Cascading Style Sheets.
- Basic concepts regarding JavaScript and Php.
- Basic introduction to web database and database connectivity.
- Basic idea of web hosting.
- Introduction to CMS and how it works

Program Outcome: The programme outcomes of this courses are-

- Students will learn about web technologies and basics of HTML program.
- Students will know the features of CSS and language of Javascript.
- Students will learn to manage web database and host web hosting.

- They will learn about CMS and design a website.

Admission Process:

- The candidates who are willing to apply should be in Class VIII to XII
- The candidates should check the eligibility criteria and course details from the college website or can contact the course instructor.
- The candidate should bring the required documents which is needed for admission of the course.
- The candidate should have to pay the required amount of fees for the admission process.

Student Enrolment and Completion List :

Year	Students enrolled	Students successfully completed
2021	Nil	Nil
2022-23	52	52

B.H.B. College, Sarupeta

Course Name: Basics of Web Technologies and Programming Concepts

Duration: 36 hrs/3 weeks

Eligibility: School Droupouts or Class VIII to XII

Objectives of the Course

The course aims to provide basic knowledge such as

- Knowledge of webpage, website, ISP, dynamic and static webpage
- Analyse a web page and identify its elements and attributes
- Create web pages using HTML and Cascading Style Sheets.
- Basic concepts regarding JavaScript and Php.
- Basic introduction to Web database and database connectivity
- Basic idea of web hosting
- Introduction to CMS and how it works

Course Structure

Module	Module Name	Hours
1	Introduction to web technologies	3
2	HTML 4	6
3	HTML 5	6
4	CSS	6
5	Introduction to JavaScript	7
6	Introduction to Web Database and how it is managed	3
7	Introduction to Web Hosting	3
8	Introduction to CMS	2

Syllabus:

Introduction to web technologies: What is Internet, ISP, Client-Server Model, WWW, Webpage, What is Website, Working with Browsers, Understanding Web Page Designs

HTML: What is HTML, HTML Editors, Elements, Attributes, Text formatting, Lists, Links, Tables, Forms, Linking Images

HTML 5: Introduction, HTML5 New Elements: Section, Nav, Article, Aside, Audio Tag, Video Tag, HTML5 Form Validations: Require Attribute, Pattern Attribute, Autofocus Attribute, email, Number type, Date type, Range type, HTML iframe.

Introduction to CSS: Syntax, CSS selectors, CSS- Inline, Internal, External

- **CSS Styling:**

Background, Text, Font, Links, List, Tables

- **CSS Box model:**

Border, Outline, Margin, Padding

Introduction to JavaScript: Data type, variables, keyword, Loops, Conditional statements, functions

Introduction to Web Database and how it managed: Introduction to Web Database, How Database are managed

Introduction to Web Hosting: Introduction to Web Hosting, Basic Idea of how Hosting works with sample demo.

Introduction to CMS: What is CMS, Popular CMS platforms, Application of CMS