**1.1 INTRODUCTION:**

Innovation in technology is the buzzword today. Computer, the wonder machine has fulfilled more than its share of expectations. We are currently in the midst of a technological revolution in which outdated system has made way for outstanding ones. One of the major applications of computer technology has been information processing activity. Computer has been an essential part of the organizational info processing because the power of the technology and volume of data it can process.

**1.2 ABOUT PHP:**

PHP is an acronym for "PHP: Hypertext Pre-processor”. It is the front-end tool primarily used to create forms so that the user can input data, update and review.

* PHP is a widely-used, open source scripting language
* PHP scripts are executed on the server
* PHP can generate dynamic page content.
* PHP files have extension ".php".
* PHP files can contain text, HTML, CSS, JavaScript, and PHP code.
* PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)

PHP programming consists of following two steps:

1. Visual Programming.
2. Code Programming.

Basic PHP syntax:

<?php  
// PHP code goes here.  
?>

A PHP script starts with **<?php** and ends with **?>**

**1.3 ABOUT CSS:**

**CSS** stands for **C**ascading **S**tyle **S**heets. It describes **how HTML elements are to be displayed on screen, paper, or in other media.** Itis a simple design language intended to simplify the process of making web pages presentable.

**Advantages:**

1. Saves time. b) Easy Maintenance. c)Global web standards. d)Multiple device compatibility.

**1.4 ABOUT PHPMYADMIN:**

**phpMyAdmin** is a [free and open source](https://en.wikipedia.org/wiki/Free_and_open_source) administration tool for [MySQL](https://en.wikipedia.org/wiki/MySQL) and [MariaDB](https://en.wikipedia.org/wiki/MariaDB). As a portable [web application](https://en.wikipedia.org/wiki/Web_application) written primarily in [PHP](https://en.wikipedia.org/wiki/PHP), it has become one of the most popular MySQL administration tools, especially for [web hosting services](https://en.wikipedia.org/wiki/Web_hosting_service).

Support for most MySQL features:

* browse and drop databases, tables, views, fields and indexes
* create, copy, drop, rename and alter databases, tables, fields and indexes.
* maintenance server, databases and tables, with proposals on server configuration.
* execute, edit and bookmark any SQL-statement, even batch-queries.
* manage MySQL user accounts and privileges.
* manage stored procedures and triggers.

**1.5 ABOUT SQL:**

Structured Query Language (SQL) is a non-procedural language used for database management. Unlike procedural Language, in which we must describe how to access and manipulate data, in SQL we specify what to do. It is the official and de-factors standard language for interfacing with a relational database. SQL exists as an American National standard institute (ANSI) and International Standard Organization (ISO) standards as well as an industry standard.

**1.6 ABOOUT JAVASCRIPT:**

JavaScript(JS) is a lightweight, interpreted, object-oriented language with [first-class functions](https://en.wikipedia.org/wiki/First-class_function), and is best known as the scripting language for Web pages, but it's [used in many non-browser environments](https://en.wikipedia.org/wiki/JavaScript#Uses_outside_Web_pages) as well. It is a [prototype-based](https://en.wikipedia.org/wiki/Prototype-based_programming), multi-paradigm scripting language that is dynamic, and supports object-oriented, imperative, and functional programming styles.

JavaScript runs on the client side of the web, which can be used to design / program how the web pages behave on the occurrence of an event.