**Proposal**

**Introduction**

FS clothing company was started in 2009. The shop sells branded outfits (like adidas, Nike, Armani, Gucci, Fendi, etc.) for men and women. The business was started with one sale shop which was located in downtown area and one warehouse. As the business is expanded, we have now 10 sale shops almost in every biggest town and three warehouses. The company wants to make a new step in E-business. The company aims to give an online ordering and delivery service to our customers.

The company is now running with three sale shops, and one of these is made to be as the head office. Normally, the company provides three sale staffs and two cashers at each sale shop, and two warehouse-staffs at the warehouse. The head office has two clerk and a manager. Their jobs are to manages staffs, customers, and records incomes and outcome items progress of each month and report to the owner of the company. The head office mainly plans and decides the company’s process and the for the best in the future. The company does not have computerized system for their process. The process that the company doing now is quite manual.

**Aims & Objectives**

**Aim**

The aim of this project is to create a responsive e-commerce website for the company where the customers can buy the products digitally.

**Objective**

**Literature Review**

a. Methodology

b. Languages

PHP vs Asp.net

PHP

PHP is a powerful programming language used to develop dynamic web application or websites. It is easy to learn and useful, in contrast to other programming languages. It has many frameworks to save loads of time and reduces complexity. PHP has basic platform framework that allows to develop the website in an easy way. It has free access to database like MYSQL, Oracle, but has limitation. Even Facebook is written with PHP language.

Asp.net

Asp.net is .NET framework, providing tools which is offered by the Microsoft to create dynamic website. It provides large number of models to create website. It will provide visual interface for the developers to create their website. It isa part of Microsoft .Net platform. IT ALLOWS programmers to write ASP.NET code using any supported [.NET language](https://en.wikipedia.org/wiki/List_of_CLI_languages).

Comparison in a table

|  |  |  |
| --- | --- | --- |
| Criteria | PHP | Asp.net |
| Platform | Yes. Support multiple platforms | Yes. Support multiple platforms |
| Database access | Free to access. (has limitation) | Free to access. (Has limitation) |
| Security | Not secure enough. | secure enough. |
| Embedded HTML | Support | Has its own models to create |
| Easier to learn | Yes. | Yes. |
| Speed | Faster than Asp.net | slower than php |
| Hosting | Free | expensive |

PHP

Strength

* PHP programming language can run various any platforms, OS.
* PHP can give the fast loading speed of the website.
* PHP can easy to learn in a short time.
* PHP has built in database so we can easily connect database.

Weakness

* Since it open-source, it has the weakness of the security system.
* It is not suitable for large program.
* It is hard to maintain.
* Implicit conversion can lead to unexpected bugs.

Asp.Net

Strength

* Asp.net support multiple system and platforms.
* Asp.net provides great resources to do a lot of learning.
* Asp.net has large number of models developed by microsoft for web-development.
* Asp.net has the great security.

Weakness

* Asp.net has limited support for testing.
* Asp.net does not efficient to take control over HTML.
* Asp.net has complex pages with performance issues.
* Asp.net has a great cost.

**c. Database**

**d. Front-End Framework**