**CHAPTER FOUR**

**4.0 RESULT AND DISCUSSION**

**4.1** **SYSTEM IMPLEMENTATIONS**

Implementation is the realization of an application by following

**4.1.1 Tools Used for Implementation**

The system for patient appointment was built with HTML5, CSS, JAVASCRIPT, ORM, BOOTSTRAP, PHP programming languages

1. **SQL**: SQL (structured query language) is a standard language for accessing databases. SQL is
2. **MySQL:** The MySQL database management system
3. **phpMyAdmin**: This tool was used to manage the MySQL
4. **XAMPP**: Xampp is an Open-source web server solution comprises of basic
5. **Bootstrap:** Is a progressive, incremental adoptable javascript framework used in developing interactive UI on web interface. It scales between a library and a full featured framework. Focus is more on view part, which is the front end. It is very easy to integrate with other projects.
6. **Php:** Is a

**4.2 HARDWARE REQUIREMENTS**

For effective operation of the newly designed system the following specification is needed. The hardware requirements are

|  |
| --- |
| Minimum requirement |
| Functioning computer system |
| Minimum of 1 GB, Random Access Memory(Ram |
|  |
| s  Keyboard and Mouse |
| Uninterrupted power supply |

Table 4.1: hardware requirements

**4.3** **SOFTWARE REQUIREMENTS**

For effective operation of the newly designed system the following specification is needed

|  |  |
| --- | --- |
| Requirements | Softwares |
| Operating system | Windows 7,8,10,etc |
| Database management system | SQL, eloquent laravel |
| Programming language used | Css, html 5, laravel, php, vuejs, |
| Integrated development environment | Notepad ++ |
| Sever | Xampp 7.3.3, MySql sever |
| Others | Nodejs ,composer, command prompt |
|  | Internet connection |

Table 4.2: software requirement

**4.4** **DISPLAY OF GRAPHICAL USER INTERFACE (GUI)**

This interfaces are to show the different interaction users actively perform on the appointment system. The figures below will give a pictorial view of the Functionality of the application

**4.4.1 USER INTERFACE**

Interaction between the user and the system is done through the user interface which was implemented in English language

4.4.2 PATIENT REGISTRATION PAGE

On this page, is where patients supply their details so as to be stored in the database of the system

**4.5.3 PATIENT LOGIN PAGE**

The Login page is where the patient will be granted access into the newly designed system after which the login information has been supplied correctly**.**

**4.4.4 BOOKING PAGE**

This page shows the appointments that has been booked by a patient.

**4.4.5 APPOINTMENT PAGE**

This page shows the appointment that has been book by a patient and it is been display once the

doctor log in to the page.

4.5 PROGRAM DESCRIPTION

This program is designed in a way that a user or the doctor is expected to register by providing his or her personal data which will be store in the database,