**SOFTWARE REQUIREMENT SPECIFICATION**

**1. Introduction**

The SRS is produced at the culmination of the analysis task. The function and performance allocated to software as part of the system engineering and refined by establishing a complete information description, a detailed functional description, a representation of system behavior, indication of performance requirements and design constrains, appropriate validation criteria and the other information related to requirements.

The SRS is technical specification of requirement of Patient Portal System. This specification describes what the proposed system should do without describing how it will do it. It also describes complete external behavior of proposed system.

**1.1. Purpose:-**

The main purpose of our system is to make hospital task easy and is to develop web application that reduces the work of the receptionists. This document serves as the unambiguous guide for the developers of this web application.

**1.2. Scope:-**

The document only covers the requirement specification for the Patient Portal System. This document does not provide any references to the other component of the Patient Portal System. All the external interfaces and the dependencies are also identified in this document.

**1.3. Feasibility Study:-**

The overall scope of the feasibility study was to provide sufficient information to allow a decision to be made as to whether the Patient Portal System project should proceed and so, its relative priority in the context of the other Patient Portal System.

The feasibility study of this project had undergone through various steps which as describe as under:

a) Identify the origin of the information at different level.

b) Identify the expectation of user from computerized system.

c) Analyze the drawback of existing system.

**1.4. Definition,Acronyms,Abbreviations:-**

CFD: - Context Flow Diagram

DFD: - Data Flow Diagram

PHP: - Hypertext Preprocessor

SQL: - Structured Query Language

SRS: - Software Requirement Specification.

**1.5. Reference:-**

1)PHP - W3schools

2) MYSQL – W3schools

**1.6. Overview:-**

Patient Portal System is a process of implementing all the activities of the hospital in a computerized automated way to fasten the performance and to reduces the work of the receptionists.

This project is to maintain the patient details, lab reports and to calculate the bill of the patient. You can also manually edit any patient details and issue bill receipt to patient within few seconds. It can also be used to save the time of the patients and the receptionists. Patients can also view their details on their own.

**2. OVERALL DESCRIPTION**

**2.1. Product perspectives:-**

This project gives the procedural approach how a patient gets treatment, details about date of treatment and finally depending on different criteria like room allocated, lab reports, treatment and medicine taken…..etc., how billing is calculated. During billing health card facility is also considered. These details can be viewed by both doctor and patients.

**2.2. Product Function:-**

The data represented in Patient Portal application will perform the following major function:-

1)Patient Details: - It includes inpatient and outpatient details.

2) Lab reports

3) Billing Details

This software will help to calculate the bill much quicker and simpler way. This enables the organization to keep the information in efficient and systematic way. It reduces the time and work in an efficient way.

**2.3. User Characteristics:-**

This software is developed such that total appearance of the product to make it more user friendly. The operator will be provided with login id and password. This can be used only for the second time visitors.

**2.4. General Constraints:-**

Any update regarding the patients information from the hospital are to be recorded to have updated and correct values.

**2.5. Assumption and Dependencies:-**

All the data entered will be correct and up\_to\_date.This web application is developed using PHP as front end , MYSQL as the back end .

**3. SPECIFIC REQUIREMENTS**

It describes all the details that the web application developer need to know for designing and developing the system. This is typically the largest and most important part of the document.

**3.1. External Interface Requirements:-**

**3.1.1. User Interface:-**

User interface is designed in a user friendly manner and the user, in another end he has to give the order, for that he will interface with keyboard and mouse.

**3.1.2. Hardware Interface:-**

1) OS – windows XP

2) Hard disk – 80 GB

3) RAM – 1 GB

4) Keyboard – Standard QWERTY keyboard for interface

5) Mouse – Standard mouse with 2 buttons

**3.1.3. Software Interface:-**

1) Front end – PHP language

2) OS – Windows

3) Back end – MYSQL server

**3.1.4. Communication Interface:-**

Windows

**3.2. Functional Requirements:-**

**3.2.1. Visit history module:-**

This module enables the user to know their visited details on their own. They doesn’t have any need to check their visited details in the hospital. In this module they can be able view the doctor’s name in which date they had visited and the test which had been done to them.

**3.2.2. Investigation history module:-**

This module enables the user to know their lab reports on themselves. They need not carry their reports whenever they visit the hospital.

**3.2.3. Appointment with Doctor module:-**

This module used to book an appointment with the doctor.They had a variety of choices to book an appointment and choose their doctors.this module includes the details of the doctors and their specializations.

**3.2.4. Self check-in module:-**

This module is used to reduce the manpower of the receptionist. This is used to notify the arrival of the user to the doctor by themselves without the help of the receptionist.

**3.3. Performance Requirements:-**

The capability of the computer depends on the performance of the software. The software can take any number of input provided the database size is large enough. This would depend on the available memory space.

**3.4. Design Constraints:-**

This will help the doctors or users to view the records of the patients immediately whenever necessary. They can also calculate the bill of the particular patients. This project will help to smoother the process of the user activites.