**Software Requirement Specification**

**for Hospital Management**

**1 Introduction**

**1.1 Purpose**

The purpose of this document is to:

* Provide detailed description of Hospital Management System.
* Explain features and interfaces of the system.
* Explain functions and use cases of the system.

**1.2 Scope**

* The System developed will enable complete computerized management of the Hospital operations.
* It will allow to maintain soft records of the patients.
* It will also allow to maintain the accounts of Hospital.

**1.3 Overview**

The document will provide information on

* Definitions and Terms used
* General Description of the System
* Characteristics of Users
* Functional and Non-Functional Requirements
* Interfaces Required

**1.4 Definitions**

*Hospital*

A Institute where a person gets treatment/'checkup by the Doctors

*Doctor*

A person who treats the patient

*Patient*

The person who needs the treatment

*Receptionist*

The person who directs patients to Doctor

*Accountant*

The person who manages billing of patients

*Manager*

The person who manages/supervises Hospital operations and makes payment to Hospital Staff

**2 General Description**

**2.1 Product Description**

* Hospital Management System is a computerized system for easy maintenance of Hospital operations.
* The system enables Doctor for easy access to patient records and history.
* The system also enables computerized account management for the Hospital.

**2.2 User Characteristics**

Any user of the System has following characteristics:

* Has no special training or education
* Has access to a computerized

**3 Specific Requirements**

**3.1 Functional Requirements**

**3.1.1 Doctor**

**3.1.1.1 Access patient record**

* *Input*: Patient Identification
* *Process*: Query for information from database

**3.1.1.2 Edit Patient Diagnosis**

* *Input*: Patient Identification, Diagnosis details
* *Process*: Update values to the database

**3.1.1.3 Discharge a patient**

* *Input*: Patient Identification
* *Process*: Update details to the database

**3.1.2 Accountant**

**3.1.2.1 Access Patient details and bills**

* *Input*: Patient Identification
* *Process*: Query database

**3.1.2.2 Make billing status done/complete**

* *Input*: Bill id
* *Process*: Update values to the database

**3.1.2.3 Generate Receipt**

* *Input*: Bill details
* *Process*: Print bill details

**3.1.3 Manager**

**3.1.3.1 Make Payment to the employee**

* *Input*: Employee id
* *Process*: Pay the employee

**3.1.3.2 Edit employee details**

* *Input*: Employee id, details
* *Process*: Update values to the database

**3.1.3.3 View Account details of the Hospital**

* *Input*: -
* *Process*: Query the database

**3.2 Non-Functional Requirements**

The Hospital management System should have:

* Security
* Network connection
* Efficiency

**3.3 External Interfaces**

**3.3.1 Hardware Interfaces**

* Monitor Screen
* Keyboard
* Pointer
* Printer

**3.3.2 Software Interfaces**

* The system should have friendly and reliable Graphical User Interface.
* The system should also have program interfaces for all the functions of the system.

**3.3.3 Communication Interfaces**

The Communication Network must have:

* Fast and reliable network medium
* Secure protocols

**3.4 Other Requirements**

The System must have a fast and reliable Server, powerful enough to handle multiple requests.

The System must have a Database for storing:

* + Patient Details
  + Employee Details
  + Account Details
  + Billing Details

**4 Conclusion**

Thus, all the requirements of the Hospital Management System are described.