**Hospital Management System**

**Business Requirement Specification**

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# 1. Introduction

# Document Purpose

This document communicates the business requirements and scope for developing Hospital Management System. The scope of this document is to define the functional and non functional requirements, business rules and other constraints requirements.

# Project Background

Most hospitals front office work done on paper. Registration of new patient done manually in most of the hospital. Also the maintaining data of patient in form of files is painful there is always chance of loss of patients documents or not getting them on time which may deal with life and death situation for the patient. Sometimes if patient visiting again for follow up treatment patients may lost important documents or records. Also maintaining and monitoring all activities done daily in hospitals require lots of efforts and paper work also there are lots of chances of human errors in maintaining those activities. So there is need have computerize front office work of hospital

# Goals of the project

The main objective of the project is to computerize the Front Office Management of Hospital to develop website which is user friendly simple, fast, and cost – effective. It deals with the collection of patient’s information, diagnosis details, prescriptions etc. It is designed for to cover a wide range of hospital administration and management process it is an integrated end-to-end hospital management system that provides relevant information across hospital to support effective decision making for patient care, hospital administration and financial accounting in seamless flow. Hospital Management System is designed to improve the quality and management of hospital in areas of clinical process analysis and activity based costing. Hospital Management System enable you to develop your organization and improve effectiveness and quality work

# Customers and Stakeholders

Customers:

* + Hospital staff (Receptionist,Doctor,Administrator)

Stakeholders

* + Patients.
  + Physicians
  + Insurance companies
  + Pharmaceutical firms
  + Government Insurance companies

# 2. Business Requirements Overview

* Hospital Management System is the public web application.
* Hospital Management System will be opened to global but in the phase 1, the main target is in the India.
* There are three type of user Hospital staff including Receptionist, Doctor, and Admin.
* Hospital Management System can track and manage patient records across system and track overall work of hospital
* Hospital Management System could be maintained by Administrator.

# 3. Functional Requirements Overview

Hospital Management System consists of eight modules described as below.

1. Receptionist Module.
2. Doctor Module.
3. Admin Module.

3.1 Receptionist Module**:**

* Registration of new patient.
* Search for existing patient.
* Update details of existing patient.
* Watch transaction reports of patient payment.
* Keep a record of patients with respect to the specified doctor.
* Upload patient reports in system.
* Create and manage appointments.

# 3.2 Doctor Module:

* Manage current appointments.
* Check the patient history if any previous medical condition.
* Provide prescription according to patient diagnosis.
* Provide prescription for external test or recommend other doctor.
* Keep note of patient treatment.

# 3.3 Admin module:

* Create Receptionist and Doctor Accounts.
* Manage Receptionist and Doctor Accounts.
* Keep track of financial transactions.
* Keep track of daily activities likes total patient treated etc.
* Keep log of different user like Receptionist and Doctor etc.
* Manage own account.

# 4. Non-functional Requirements

* The website should use professional design, look and feel and color scheme.
* Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support between 5 and 10 lakh users on launch of phase 1.
* Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links and other actions provided on the screens.
* The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.