HOSPITAL MANAGEMENT SYSTEM FOR RESIDENTIAL TOWNSHIP OF CORPORATE COMPANY.

Software Requirements and Specifications

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**1. Introduction**

**1.1 Purpose:**

The Hospital Management System for residential township of Corporate Company deals with how the things in hospital can be managed without the much use of paper work. This document is to describe the requirements for the Hospital Management System (HMS).

Developer should consider this document before developing any software. But the intended audience is not only developer, but also administrator, patient and other staff of hospital, in some or other way.

**1.2 Scope:**

This software is aimed to make management of hospital for a particular township of any corporate company. This software will be used to manage everything online. It will store the record of all the staff member and their family member, of that particular company. This will certainly increase the efficiency of maintenance of all the data than doing paper work. In this document Functional and Non-Functional requirements, both are described.

**1.3 Definitions,Acronyms,Abbreviations:**

Some of the keywords or abbreviations used in this document are:

HMS: Hospital Management System.

Patient: The person who will come to hospital for checkup.

**1.4 Technologies to be used:**

* Microsoft Visio 2003
* MS Project
* Visual Studio 2012
* Java Eclipse

**1.5 Overview:**

This documents deals with the, how this HMS will work. It is a software, which will make work easier, not only for staff members of hospital but also all the other member of company, who will be part of this hospital. Everything will be done online, right from appointment to deduction charges for checkup form patient account.

In the further part of this document, every aspect is described in detail.

**2. Overall Description**

**2.1 Product Perspective:**

**3. Specific Requirements**

**3.1 External Interface Requirement:**

**3.1.1 User Interfaces:**

The user interface is designed in ASP.NET Professional version. The user interface used in this software is developed using c#. The user of the product will get very user friendly environment which will be very easy to work with.

**3.1.2 Software Interfaces:**

**Functional Requirements**

1. **INIT\_LOGIN Module**: This module will initially register the Employee details like Name, EC No., Family member details, Account details, insurance details etc. and create records for each members of that employee and update the database. This module will also delete the record from database after the retirement of an employee sending him the detailed description report of his medical utilities.
2. **APPOINTMEMT Module:** This module will register an appointment of the patient as per the requirement and schedule of doctors. This module will also take care of Emergency situation handling in which case direct bed allotment and intensive care allotment is done.
3. **WARD Module:** This module will take care of availability of unoccupied ward no. and bed no. which is directly allocated in case of emergency situations.
4. **DOC Module:** This module will work in scheduling process of permanent doctors as well as specialists, laboratory staff, chemists, inventory staff and nurses.
5. **MEDICINE\_ALLT Module:** This module deals with the allotment of prescribed medicines, inventory management and bill generation, and record collection.
6. **ACCOUNT Module:** This module handles the financial task of amount deduction from the employee account, insurance claim handling and medical allowance deposition.
7. **DATABASE Module:** This module handles the database.

**Nonfunctional Requirements:**

1. **Security:** Patient must need an EC no. , which only can be obtained after successful initial registration of employee, to get any kind of treatment.

Receptionist has an access of the complete database but doesn’t have a permission to update or modify it. This can only be done by database administrator.

1. **Maintenance:** Back up of database is to be taken after fixed interval of time so that data loss can be avoided.

Any kind of technical difficulties will immediately be reported ad will be taken care of within sort span of time.