**SOFTWARE REQUIREMENT SPECIFICATION**

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###### Product Perspective

This Hospital Patient Info Management System is a self-contained system that manages activities of the hospital.

Due to improperly managed details medical center faces quite a lot of difficulties in accessing past data as well as managing present data. The fully functional automated hospital management system which will be developed through this project will eliminate the disadvantages caused by the manual system by improving the reliability, efficiency and performance. The usage of a database to store patient, employee, stock details etc. will accommodate easy access, retrieval, and search and manipulation of data. The access limitations provided through access privilege levels will enhance the security of the system. The system will facilitate concurrent access and convenient management of activities of the medical center.

* + 1. **System Interfaces**
* User Interfaces
  + This section provides a detailed description of all inputs into and outputs from the system. It also gives a description of the hardware, software and communication interfaces and provides basic prototypes of the user interface.
  + The **protocol used** shall be **HTTP**.
  + The Port number used will be 80.
  + There shall be logical address of the system in IPv4 format.
* Hardware Interfaces
  + **Laptop/Desktop PC**-Purpose of this is to give information when Patients ask information about doctors, medicine available lab tests etc. To perform such Action it need very efficient computer otherwise due to that reason patients have to wait for a long time to get what they ask for.
  + **Laser Printer (B/W)** - This device is for printing patients’ info etc.
  + **Wi-Fi router** - Wi-Fi router is used to for internetwork operations inside of a

hospital and simply data transmission from pc’s to sever.

* Software Interfaces
  + **JDK 1.8** - Java is fast, secure, and reliable. From laptops to data centers, game consoles to scientific supercomputers, cell phones to the Internet,
  + **Mysql server** - Database connectivity and management
  + **OS Windows 7/8/8.1**- Very user friendly and common OS
  + **JRE 1.8** - JAVA Runtime Environment for run Java Application and System
    1. **System Specifications**
       1. **H/W Requirement**
          - Core i5 processor
          - 2GB Ram.
          - 20GB of hard disk space in terminal machines
          - 1TB hard disk space in Server Machine
       2. **S/W Requirement**
          - Windows 7 or above operating system
          - JRE 1.8
          - Mysql server
    2. **Communication Interfaces**
* **NIC (Network Interface Card)** – It is a computer hardware component that allows a computer to connect to a network. NICs may be used for both wired and wireless connections.
* **CAT 5 network cable**- for high signal integrity
* **TCP/IP protocol**- Internet service provider to access and share information over the Internet
* **Ethernet Communications Interface**- Ethernet is a frame-based computer network technology for local area networks (LANs)
* Ubiquitous, easy to set up and easy to use. Low cost and high data transmission rate.

###### Product functions

* Provide access to registered users only.
* Registration of new patients.
* Enable patient to view their record.
* Enable patient to update their record.
* Generate appointment date and timing.
* Confirmation by doctor.
* Patients can do Payment.
* Modification in schedule by patient.
* Admin access to patient’s record.
* Admin Verify Payment and Generate Bill/Receipt.
* Admin can view monthly/yearly records.