**SOFTWARE DESIGN SPECIFICATION**

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**Introduction**

* 1. **Purpose**

The main objective of this document is to illustrate the design part of the m privacy for collaborative data publishing. This document is maintained by the hospital management.The document gives the detailed description of both the functional and non functional design specifications required by the system. The document is developed after making a thorough study about the existing system, its advantages and disadvantages. The final product will be eliminating the disadvantages of existing system while maintain the advantages of the already existing system.

* 1. **Scope**

This document is the Software Design Specification for the project ‘m privacy for collaborative data publishing’. This SDS helps the client to understand their needs. This SDS describes the operations and functions of the hospital management system. Website allows administrator to upload the details about the patients record is shared into research center with a privacy. User can understand the information about the security . Website provides the facility to security of patients record in a hospitals. . The system will generate various reports also.generally all types of hospital information system are supported in client server architecture for networking and processing.

**1.3 Definition and Acronyms**

Following are the list of conventions and acronyms used in this document and the project as well:

**Definitions**

**Administrator-** Administrator maintains and controls the entire s/m.

**Acronyms**

|  |  |
| --- | --- |
| s/m | System |
| h/w | Hardware |
| s/w | Software |
| Admin | Administrator |

**Abbreviations**

|  |  |
| --- | --- |
| SDS | Software Design Specification |

**2. References**

**3. Decomposition Description**

**1.Patient registration**

if patients have to take treatment, he/she should register their details like Name, Age,addressand contact number in hospital . These details are maintained in a Database by the Hospital management. Only Doctors can see all their details. Patient can only see his own record.

**2.Privacy setting by hospital authority for the third party**

The Hospital Authority is a statutory body, responsible for managing public hospitals and institutions under its sole ownership or control (including subsidiary companies or subsidiary institutions of the Hospital Authority). Our staff may request you to provide your personal data (including your health condition), or collect your personal data from the subsidiary institutions of the Hospital Authority or any relevant third party. The data collected will be utilized to process your application / registration as a volunteer of the Hospital Authority.here all the patient datas is shared into the research center with setting privacy.for this patients some details like age ,zip id is hiding.

**3.Encrypted for confidential data’s and privacy**

**4.Doctor Login:**

In this module Doctor can see all the patients details and will get the background knowledge(BK).doctor can found the diseases and to give right treatment for the each patients.then doctor prescribe the medicines.

**S5.Admin login:**

In this module Admin acts as Trusted Third Party (TTP).or research center.He can see all individual records and their sensitive information among the overall hospital distributed data base. And for research to study the patient individual records . He/She collected information’s from various hospitals and grouped into each other and make them as an anonymized data.