**Proposal**

**“HOSPITAL AUTOMATION SYSTEM”**

**BSCS-VI**

**Group 2**

**Submitted to:**

**Mam Aatka Ali**

**Submitted by:**

**Noor us Sabah 161101**

**Mahnoor Jamil 161105**

**Fabyha Khan 161113**

**Rabia Kanwal 161118**

**Noor Fatima 161137**

**Maham Javad 161151**

**Amna Azhar 161366**



**Submission Date:**

**20th February 2019**

1. **Introduction:**

Hospital Automation System is powerful, flexible, and easy to use and is designed and developed to deliver real conceivable benefits to hospitals.

The project Hospital Automation system includes registration of patients, storing their details into the system. The software has the facility to give a unique id for every patient and stores the details of every patient and the staff automatically. It includes a search facility to know the current status of each room. User can search availability of a doctor and the details of a patient using the id.

1. **Target Audience:**

The main target of this application will be the staff of the hospital including Doctors Management Staff, Ward boys, Nurses, and other staff personals that keep the hospital running smoothly & successfully.

1. **Need of the Application:**

Keeping track of all the hospital activities and their records on paper is very cumbersome and error prone. It also is very inefficient and a time-consuming process Observing the continuous increase in population and number of people visiting the hospital. Recording and maintaining all these records is highly unreliable, inefficient and error-prone. It is also not economically & technically feasible to maintain these records on paper. Thus keeping the working of the manual system as the basis of our project. We have developed an automated version of the manual system, named as “**Hospital Automation System**”.

1. **Objective:**

The project “**Hospital Automation System**” is aimed to develop to maintain the day –to-day state of admission/discharge of patients, list of doctors, reports generation, and etc.

1. Recording information about the Patients that come.
2. Recording information related to diagnosis given to Patients.
3. Keeping record of the Immunization provided to children/patients.
4. Keeping information about various diseases and medicines available to cure them.

These are the various jobs that need to be done in a Hospital by the operational staff and Doctors. All these works are done on papers.

1. **How will it meet the minimum project requirements?**

* Information about Patients is done by just writing the Patients name, age and gender. Whenever the Patient comes up his information is stored freshly.
* Diagnosis information to patients is generally recorded on the document, which contains Patient information. It is destroyed after some time period to decrease the paper load in the office.
* Immunization records of children are maintained in pre-formatted sheets, which are kept in a file.
* Information about various diseases is not kept as any document. Doctors themselves do this job by remembering various medicines.

All this work is done manually by the receptionist and other operational staff and lot of papers are needed to be handled and taken care of. Doctors have to remember various medicines available for diagnosis and sometimes miss better alternatives as they can’t remember them at that time.

1. **Modules:**

The entire project mainly consists of 4 modules, which are

* Admin
* Doctor
* Appointment
* Department

1. **Software Requirements for Present Project:**

**OPERATING SYSTEM:** Windows 7/ XP/8/10

**FRONT END:** HTML, CSS, Java script

**SERVER SIDE SCRIPT:** PHP

**DATABASE:** MYSQL

**SYSTEM DESIGN:** UML

1. **Use case diagram of our project:**

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