

# Database Systems (CS220)



## END SEMESTER PROJECT

### GROUP MEMBERS

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**Project Title:**

**“Hospital Management System”**

# **Hospital Management System**

Hospitals are an essential part of our lives, trying to provide medical facilities to people suffering from various severe ailments, which may be due to different reasons including emotional trauma stress, increased workload etc. So, it is necessary for the hospitals to keep track of its day-to-day activities and records of its patients, doctors, nurses, ward boys and other staff personals that keep the hospital running smoothly & successfully. Observing the continuous increase in population and number of people visiting the hospital. Recording and maintaining all these records is highly unreliable, inefficient. So, it is not feasible to maintain these records on paper. We are trying to provide software application that will help in maintaining those records. So, we have developed an automated version of manual system named as ‘Hospital Management System.

**Main aim of our project includes:**

- It will provide 95% of paper-less record.
- It will provide reliable storage and backup facilities.
- It will provide low cost automation of existing system.

Objectives of Hospital management system include list of available doctors, number of patients assigned to each doctor. It also includes pharmacy details i.e. availability of medicines. Patient details will include room allocated to patient and discharge date. It will reduce the stock status of medical store automatically. Information of patients should be kept up to date and their record should be kept in system for historical purpose.

**Software Interface includes:**

**Front End:** Dreamweaver software

**Back End:** MySQL Workbench

So, we will be providing software to hospitals that will convert paper work to 95% paperless work where details and record of every patient will be maintained and it will be low cost, easy to manage. Pharmacy Record will be our focus in this management system which be reduce stock status automatically. Hopefully, it will be helpful for both hospital management and patients.

## **List of Assumptions**

Hospital link: <http://www.muazzamalihospital.org/index.html>

We are covering '**Captain Muazzam Ali Shaheed hospital**' and plan to develop software that will help hospital staff to interact with patients more easily.

- Appointments can be cancelled 24 hours in advance without any penalty.
- Patient medical history can be viewed when required with approval of patient.
- Staff are assigned roles to interact with system.
- Staff have basic computer operating skills.
- Hospital is run by general donations as it is welfare trust, zakat donations and patient fee.
- Hospital spends money on income, 50% discount and full discount to poor.

