**IST 659 FALL 2019**

**Project Proposal: Hospital Management System**

1. **Business Description**

* The main idea of the project is to create a database for hospitals, where the hospital can manage it’s records of the doctors, clinics and patients and the medicines prescribed, allowing the doctors to co-ordinate efficiently with their patients.
* It will be feasible to patients to reach out to hospitals and access their facilities
* It is assumed that the medicines are available and fully stocked from the suppliers.

1. **Problem** **Statement**

* Hospital physical records are not easy to maintain and access and are prone to wear and tear.
* Due to a large number of records being present. Space issues resolved.
* Patients are able to easily find their departments, where they want to go to and know the capacity available in the clinics.
* Doctors can efficiently keep track of their patients

1. Proposed Solution

* Patients can query the system and find the clinics according to region, city and also the department .
* Doctors can access patient logs, know their medical conditions and keep track of the patient’s progress.
* A track can be kept of the entry date of patients and how long they used the hospital premises.

1. Users

* Administration
* Doctors
* Patients

1. Potential Entities and Attributes

DOCTOR

* Doctor ID
* Doctor license numer
* Name
* Experience
* Designation
* Department
* Email id
* Phone number

PATIENT

* Patient ID
* Name
* Age
* Address
* City
* Zip code
* Email
* Phone number
* Patient Issue
* Existing medical condition
* Admission date
* Discharge Date

CLINIC

* Clinic ID
* Name
* Region
* City
* Zip
* Patient capacity
* URL

DEPARTMENT

* Department ID
* Name
* Dept. head
* Email
* Phone number

MEDICINES

* Medicine ID
* Name
* Quantity
* Medicine Type(solid or liquid)
* Medicine department