

XYZ Hospital Database

(A Project proposal as a part of curriculum work for Advanced Database Management System)
University of South Florida – Business Analytics and Information System

Project Members:

1. Lakshay Mukhi
2. Poonam Krishna
3. Shreyas Dalvi
4. Yashjeet Singh

Project Overview:

Current Problem: XYZ hospital is requesting the database team to upgrade their current database to have patient details and occupancy details for hospital. Currently, their database has information only for Hospital Employees.

Proposed Solution: The database team has proposed changes such as creating login information This would allow hospitals to track patients data and their insurance related information. Database would also allow hospitals to maintain the occupancy of their rooms and operation theatres.

Implementation Plan: Entities and attributes used in the project

1. Employee details (ENAME,ID,position,address,working_hours,department,Salary etc)
2. Hospital details (room_type,room_id,room_occupancy etc.)
3. Patient details (name,patient_id,address,disease,age, payment details etc.)
4. Insurance details (name,type,coverage etc.)

S.No	Topic	Responsibility	Deadlines
1	Logical Database Design	Lakshay, Poonam	03/25/2018
2	Physical database design	Shreyas, Yashjeet	03/25/2018
3	Data generation and loading	Lakshay, Yashjeet	04/01/2018
4	Performance tuning	Poonam, Shreyas	04/01/2018
5	Querying	Poonam, Yashjeet	04/08/2018
6	DBA scripts	Lakshay, Shreyas	04/08/2018
7	Database programming	Lakshay, Poonam	04/15/2018
8	Database security	Shreyas, Yashjeet	04/15/2018
9	Interface design / Data Visualization	Lakshay, Yashjeet	04/22/2018