**DATABASE PROJECT**

Introduction:

India International is a large, international banking and health information services firm. It offers many banking and health services including general banking, medical services, investments, stocks, debit and credit cards. It plans to align its business and health insurance strategies so that it can better serve current customers as well as new ones. The company also needs to deal with the formidable challenges related to ongoing mergers and acquisitions.

Scenario:

India International has many core banking functions. Core banking functions include Retail banking and Wholesale banking depending on the specific type of customers. Retail banking deals with services related to the individual customer while wholesale banking deals with services related to business and corporate customers. Agni Hospitals is one of the clients for India international. Here India international is given the task of creating a database for Agni hospitals for maintaining records of its patients.

Description:

India international is required to create a database for its client Agni Hospitals to keep track of its patients records and diseases. The current system in use is a paper-based system. It is too slow and cannot provide updated lists of patients within a reasonable timeframeThis is a relational database which uses database language like MySQL to collect information about its customers. In a relational database, each table may be linked to one or many different tables so as to retrieve and link as many customer information.

Users:

The objective of this requirement is not only provide adequate but also display accurate information so that the doctors of Agni Hospitals could also access patients records to perform proper diagnosis and in turn provide additional care. This database also helps patients to know about the doctor’s profile and their contribution to the field of their expertise. As a result, this helps in enhancing the ethical relationship between customers and the doctors for client Agni Hospitals.

Requirements:

1. There must be a database to track patients record. As a result, each patient must nave an id and a room.
2. Each Department employs many human resources. Each department must be associated with an id and its type must be included in the database.
3. Human Resource has different types of staff depending on the employee type and specialization. Every staff is assigned an id and its associated staff type.
4. Each record is created by staff and must be associated with a Patient record id. Appointment dates of the patients must also be recorded.
5. Records should be maintained by the staff.

Tables:

Patient Table: Should contain all patient details like name, address and their associated Staff details.

Room Table: Should contain all room details and must be associated with their respective patients.

Department Table: Should contain all information regarding the departments and their associated staff members.

Resource Table: Should contain all human resources present in their respective departments and must have access to patient and record tables.

History/Records Table: Should contain the previous records of patient and must be associated with respective staff members.

Business Rules:

* Each Room can be assigned to multiple Patients.
* Each Staff can treat multiple patients.
* A Department can employ multiple resources.
* Multiple Staffs can create/maintain multiple records.

ER-Diagram:

