

# **Data Management and Database Design**

## **Project\_1**

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### **Team Formation**

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### **Project Topic**

COVID-19 Patient database management of Plasma donors.

### **Problem Statement**

According to the current scenario of the pandemic, governments are having hard time keeping track of the recovered and active patients and of COVID-19 and the plasma donors. In instances, it also has been observed that the plasma is issued to low-risk patients who do not have immediate necessity instead of high-risk patients. The existing system is based on assessment of biographical information and medical history of the donors and patients which is inefficient and does not incorporate key data like results of COVID tests, real-time health status of donors, current patients admitted and donors nearby hospitals, the demographical and geographical data of the hospitals etc. Considering this, there is a necessity of implementation of database management system in the aforementioned data system.

### **Objectives**

- To manage details of plasma donors
- To manage plasma group and plasma bank details
- To maintain history of COVID recovered patients for future needs
- To maintain Status of Active and recovered COVID patients
- To maintain demographical and geographical data of hospitals