

## AED PROJECT PROPOSAL – Healthcare Inventory Management System

### Objective:

This **System** primarily aims to manage the distribution, supply and demand of COVID-19 Testing kits and other related supplies within the **Healthcare System**.

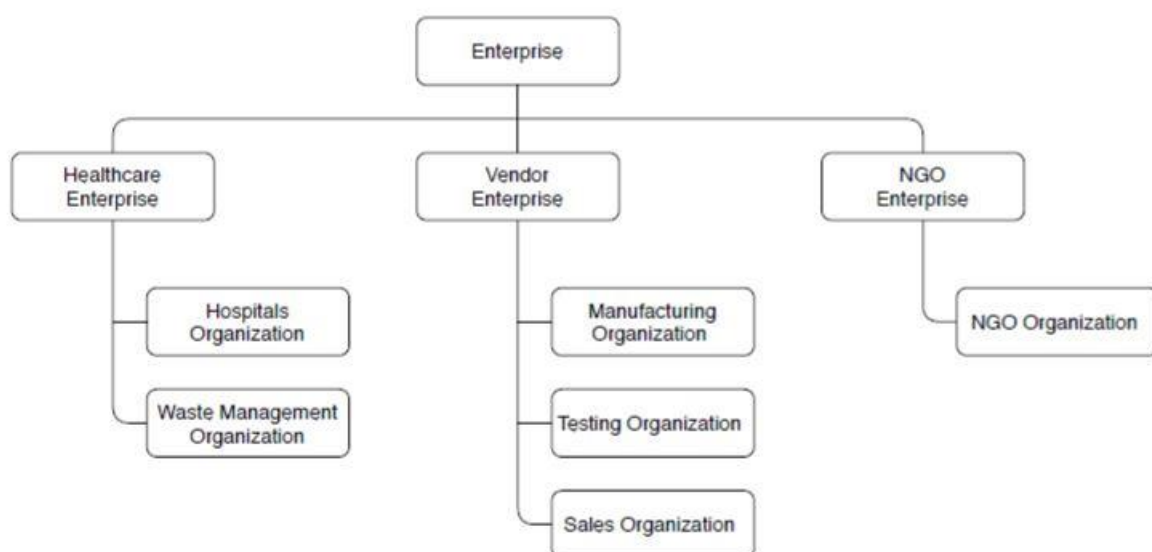
### Problem Overview:

Since Covid-19 is on the rise, there is a growing shortage or improper management of Covid-19 testing kits that are crucial. We aim to develop a system that connects different elements within the Healthcare System and the Vendors that produce the Testing kits to ensure quick and efficient distribution of the kits and related supplies.

### Application Key Functionalities:

- This application will enable Hospitals to manage inventory (Testing Kits), raise requests based on demand and continue to update stock and data on a regular basis.
- The Pharmacies who will also be connected to the same application can see the trend in demand and consumption using **Data Visualization** for certain hospitals for kits and can prepare for distribution and dispatch before receiving an actual request.
- Other Organizations who are not registered with the health care system who conduct the tests can also raise requests for kits and other related supplies.
- This system will also deal with the proper disposal of hazardous waste in hospitals by connecting to the Waste management Organization.

### System Diagram:



## Architecture Diagram:

