

**Problem Statement:**

**Medical Domain – Android  
Development**

**Personal Medicine Tracker,  
Reminder and Provider.**



# Description

Using Calendar and database of medical facilities to give preference to people who have diseases like diabetes, high blood pressure, asthma, kidney-related diseases, etc. to receive nutrient supplements necessary for boosting their immunity.

The app will track the medicines available with those people and provide reminders using Calendar to make sure they consume the necessary amount of Vitamins every week.

The app will also use the medical facilities(pharmaceutical shops) to deliver the medicines to those people beforehand to make sure that they get preference over the other people to get the medicines as the COVID-19 disease is more lethal to them.



# Block Diagram Representation of Idea

The basic idea of implementation is as shown to the right.

The main 3 blocks are:

1. Patient: Here patient refers to the people suffering from the diseases mentioned in the block.
2. App: The app will act as the interface and will also do processing of available medicines with the patient and the available stock of medicines with the pharma shops.
3. Pharma Shops: The pharma shops will send the data of the available stock of medicines to the app on a daily basis and also deliver medicines when it receives that message from the app.

## Patient

### Data Sent:

1. Medicines Available at home.
2. Of medicines taken everyday

**Here patient means the people suffering from diseases like diabetes, high BP, asthma, kidney-related diseases, etc.**

The data about the patients suffering from such diseases will be available with the hospitals through which they can be contacted.

### Data Received:

1. Reminders about medicines to be taken

## App

### Data Sent:

1. Reminders about medicines to be taken to the patient.
2. Data about the requirement of medicines to the pharma shops to deliver medicines to the patients beforehand.

**The app will do the processing of the amount of medicines left with the patients based on the medicines taken everyday by the patients.**

### Data Received:

1. Medicines taken by the patient everyday.
2. Available stock of medicines with the pharma shops.

## Pharma Shops

### Data Sent:

1. Stock of medicines available.

**The pharma shops all over the city will send the data of the stock of medicines available on a daily basis to the app.**

The location of the patient can be used to contact the nearest pharma shop with the stock of those medicines to deliver the medicines to the patients.

### Data Received:

1. Data about the requirement of medicines by the app so as to deliver the medicines to the patients.

# Technological Requirements

