

## TEAM NAME : DRASTIC INNOVATORS

Addressing user comprehension in medication management, this project integrates **Optical Character Recognition** (OCR) **and deep learning** models to extract prescription information and identify medications. It encompasses a Medical Bot for **disease prediction, Medicine details for users, an Assistant for appointment booking**, and **Medicine availability updates**. Additionally, a Prescription Scanner streamlines medication ordering. Other features include access to **healthcare policies, blood donation drives**, and **government schemes**, aiming to empower patients and medical professionals for improved health outcomes. With the help of Intel OneAPI, we can leverage this project.

### **Team members:**

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**1. Medical Bot for Disease Prediction:**

Provide personalized recommendations and preventive measures based on prediction results.

**2. Medicine Details for User:**

Create a medication database providing usage instructions, dosage guidelines, side effects, and drug interactions to empower users for safe usage.

**3. Assistant for Appointment Booking:**

User-friendly interface for scheduling appointments with healthcare providers.

**4. Medicine Availability at Pharmacy:**

Real-time tracking system to monitor medication availability at nearby pharmacies.

**5. Prescription Scanner:**

Optical Character Recognition (OCR) technology for accurate extraction of text from prescription images.

**6. Other Basic Features (Policy, Blood Donation, Govt. Schemes, etc.):****Methods :**

1. Medical Bot for Disease Prediction : **Fig 1.b) – Deep Learning.**

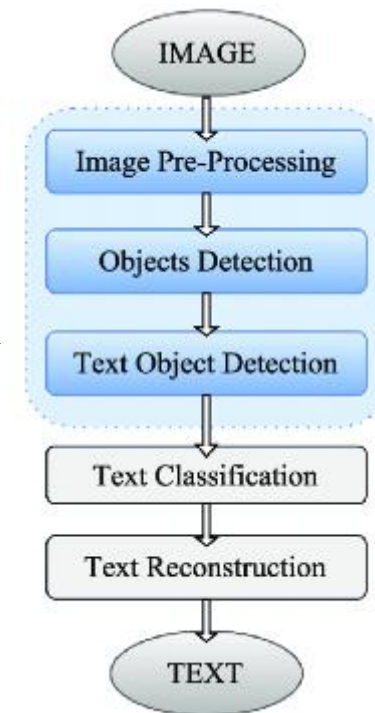
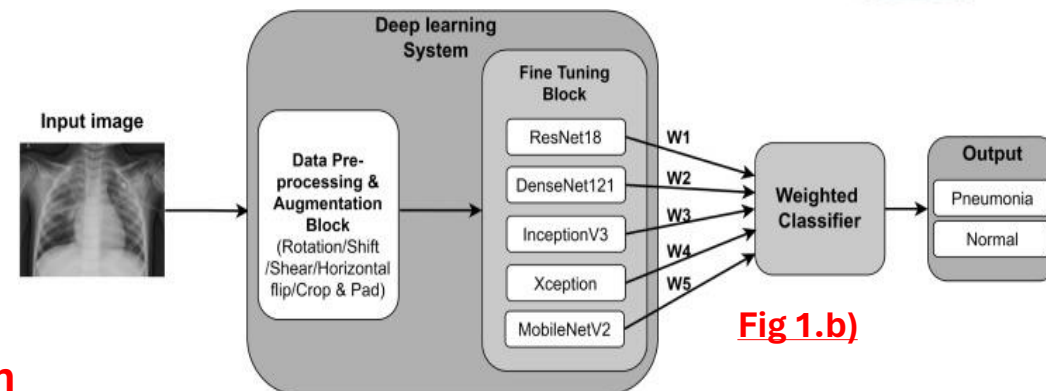
2. Medical Details for User : **SQL – Patient Database access.**

3. Appointment Booking : **Web Stack and Calendar API.**

4. Medicine Availability : **Real time Database and Location Based services and API – integration.**

5. Prescription Scanner : **Fig 1.a) – OCR.**

6. Other Basic Features : **Real-time and Govt Database integration**

**Fig 1.a)****Fig 1.b)**