

Medical Helper using OCR

This is an innovative System for any user mostly targeting the aged population as a medical helper. The user or anyone behalf of the user can enter the medicine reminders such as tablet color, name, quantity and when it should be taken with a reminder. The reminder helps the user to look into the details of tablets that he or she has to take and will also speak out the details. This is advance application where a doctor himself can enter the details for the patients helping him or her to remind the user. The System also helps the user to click picture of medicines or make use of OCR where the system will make use of the camera and print the text on the screen and the user has to tap the text to save them. The System uses Mobile Vision API for Implementing OCR. Also there is a reminder for periodic checkup of lifestyle diseases like diabetes, heart disease. We can identify the variations from previous checkup and current checkup. This can also be a medium of not typing the name of a medicine while using OCR instead saving lot of time. This system can be useful for a person where he has many tablets to intake. Thus the system named medical helper.

Modules:

- **Registration:** The user needs to register into the system.
- **Login:** The user has to login to make use the of the system and is remembered until he logs out.
- **Add Tablets:** The user has to add the tablets and its details.

- Add Reminder: The user can mark reminders and add tablets and add other attributes along with them.
- View/Update Tablets: The user can view and update the tablet details.
- View/Update Reminders: The user can view and update the reminder details
- OCR: The user is allowed to use OCR to scan medicines or object with text.
- Picture : Click and save picture for future reference.

Software Requirements:

- Windows XP, Windows 7(ultimate, enterprise)
- Android Studio

Hardware Components:

- Processor – i3
- Hard Disk – 5 GB
- Memory – 1GB RAM
- Android Phone with kitkat and higher.