

**SYNOPSIS ON FAKE MEDICINE DETECTION**

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**INTRODUCTION**

To solve the problem mentioned in the problem statement we have developed an app. App contains the following features:-

* It contains all the information of authorized resources along with the verified links like medicines, plasma, oxygen cylinders, blood bank, etc
* It contains contact numbers of nearby doctors
* We can also check the availability of vaccination slots through the verified link provided in the app
* We have also provided the information of availability of hospital beds in different states through a verified link.
* There is also a barcode scanner in the app to scanned the medicines and verify whether they are real or fake
* After scanning the medicine , app will compare the information of scanned product with the information of authorized product and update the status of the product as real or fake
* For comparison data analytics is used.For any complain with our application user also send the complain by “contact us” page in our app

**EXISTING SYSTEM USE OF THEPROJECT**

When user use this app , they have comfort of these things:-

* No compromise with health ( because of Fake Medicine Detection Technology).
* Interactive GUI of App.
* Time - Saver ( because all verified , needful and emergency resources are present in one place only).
* 100% Secure in terms of privacy and security of user.
* Present time is tough time for all of us because of COVID-19, and we have direct impact of this pandemic on our health. This app is made to spread AWARENESS in terms of the people who are making money by wrong method which are directly effecting health of individuals.
* There are various methods by which we can represent our idea other than App. But we use this as in this modern time , everyone has smart phone by which it will be a piece of cake for users who want to use this app. So, it is extremely fast in terms of user’s reach and highly reliable.

**Software Specification**

* Glide app is used for building the prototype of the app. For better visual experience we can also use android studio.But just to give an idea we have use Glide App. Here is the link of the glider app [https://www.glideapps.com/](about:blank)
* Database of resources are collected through an API(Application Programming Interface).
* API is also used to collect the information from the SKU value of barcodes of medicines. We have used UPC API for barcodes , here is the link provided [https://www.barcodelookup.com/api](about:blank)
* Google Colaboratory is used for writing the code of comparison between the information obtained from the SKU value and authorized resources available on the app.Here is the link provided of colaboratory
* [https://colab.research.google.com/drive/1jdVrm9J1zDBlzqNiLmdmmx7ZZ9TqxkJ6#scrollTo=KvAtZyKno9d\_](about:blank)
* For code we have used python .

User Interface : [https://www.figma.com/file/7upV7wl3QThz7TYp6gpcxO/Untitled?node-id=125%3A4](about:blank)

**Hardware Requirements:**

• Processor : Intel

• Operating System : Windows 10

• RAM : 8GB

• Hardware Devices Mobile,camera:

• Hard disk : 1TB

• Display : App

**FUTURE SCOPE**

* This idea is very easy to implement as basic technologies are used and after that also detection process is 100% reliable as we are just comparing the bar codes, which shows the effectiveness of our idea.
* This idea is best in terms of accuracy , price and usability.
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* There are various methods by which we can represent our idea other than App. But we use this as in this modern time , everyone has smart phone by which it will be a piece of cake for users who want to use this app. So, it is extremely fast in terms of user’s reach and highly reliable.