

MADHAV INSTITUTE OF TECHNOLOGY AND SCIENCE

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



DEPARTMENT OF CS & IT

A Minor project report

On

“CORONA VIRUS LIVE TRACKER APP”

Submitted to -

Prof. Vikas Sejwar

Prof. Yogeshwar Singh

Dept of Information technology

Submitted by –

A Jatin Jai (0901IT191001)

Deep Singh (0901IT191020)

Shivangi Gupta (0901IT181055)

UNDERTAKING

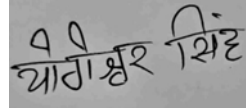
I declare that the work presented in this project titled “ **CORONA VIRUS LIVE TRACKER APP** ”, submitted to the DEPT OF INFORMATION TECHNOLOGY, Faculty of Madhav institute of technology and science, Gwalior, M.P for the award of the *Bachelor of Technology* degree in *INFORMATION TECHNOLOGY*, is our original work. I have not plagiarized or submitted the same work for the award of any other degree. In case this undertaking is found incorrect, I accept that my degree may be unconditionally withdrawn.

CERTIFICATE

Certified that the work contained in the project titled ““ **CORONA VIRUS LIVE TRACKER APP.**”, by A Jatin Jai, Deep Singh & Shivangi Gupta has been carried out under my supervision and that this work has not been submitted elsewhere for a degree.



(Prof. Vikas Sejwar)
Mentor



(Prof. YOGESHWAR SINGH)
Mentor

Acknowledgement

I would like to express my deepest appreciation to all those who provided me the possibility and played crucial role in completing this project. And provides best guidance and keep me motivated and invest their full effort in helping us. A special gratitude I give to our minor project supervisor Prof. Abhilash Sonkar, Prof. Jaimala Jha, whose contribution in stimulating suggestions and encouragement, helped us to coordinate in our project .

A Jatin Jai, Deep Singh & Shivangi Gupta

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INTRODUCTON

“ Corona Virus Live Tracker App “ is aimed at developing an application for getting notifications and update about the current situation of the covid cases in INDIA. This is application fetches information from a website gives timely notifications about the current active cases, recovered and deaths. This application also has a refresh button which by clicking on it the information gets refreshed.

NEED OF APP.

This application helps the user to get information about the situation of covid cases in the country without any unnecessary efforts.

OBJECTIVE

Making the user aware of the covid situation easier

PROBLEM IDENTIFICATION

As we know that in the internet we have many fake websites which give fake data about the active cases of covid. Due to this many users find it difficult get the info about the covid situation in the country. Moreover people are unaware of the current active cases cases due to which they get careless. With the help of our computer application the user can get all the necessary details about the covid situation without even writing anything on the keyboard.

SOFTWARE REQUIREMENT

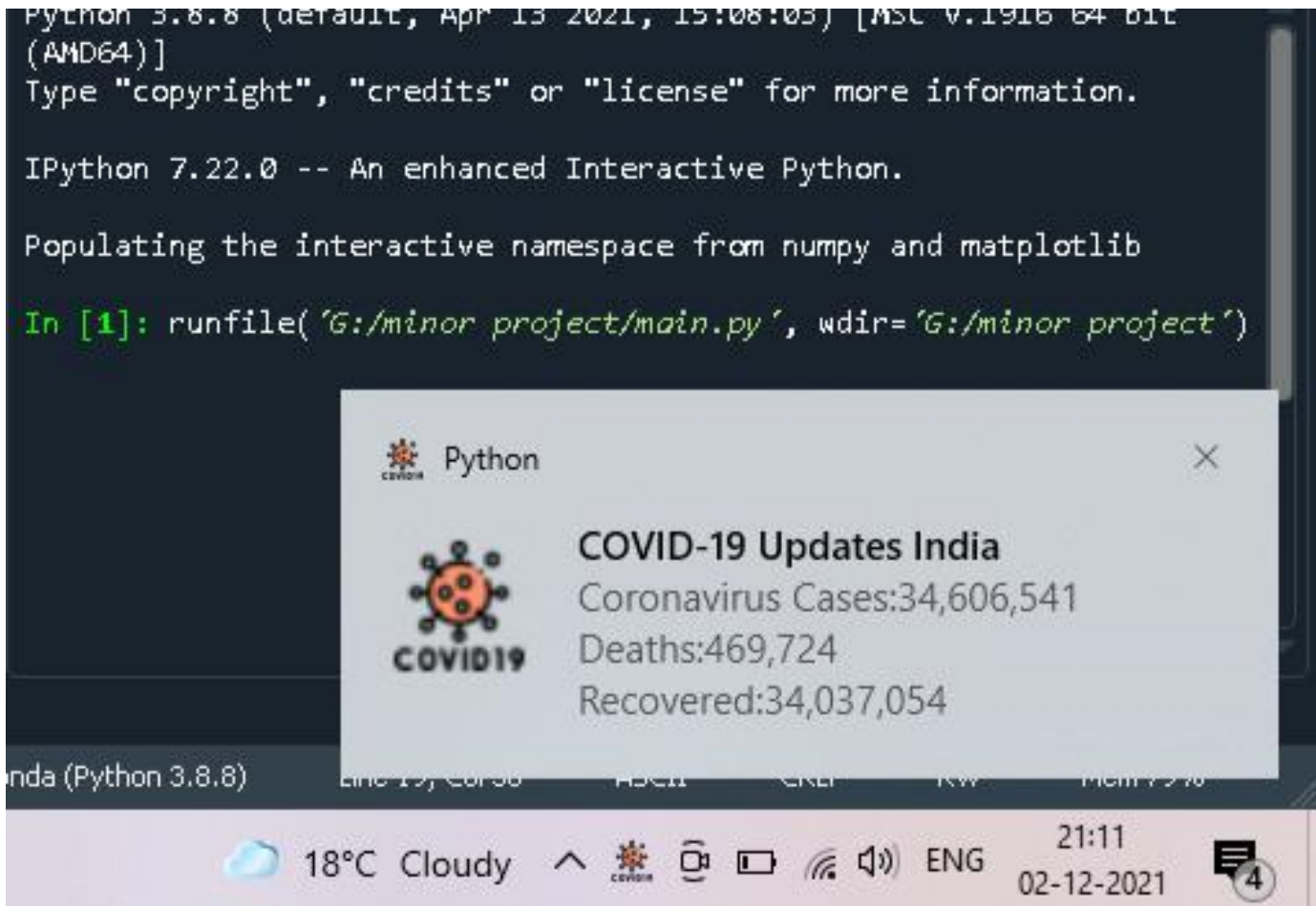
Front end – Designed GUI using Tkinter module of Python

```
Python 3.8.8 (default, Apr 13 2021, 15:08:03) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.22.0 -- An enhanced Interactive Python.

Populating the interactive namespace from numpy and matplotlib

In [1]: runfile('G:/minor project/main.py', wdir='G:/minor project')
```



The screenshot shows a Python terminal window with the following text:

```
Python 3.8.8 (default, Apr 13 2021, 15:08:03) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 7.22.0 -- An enhanced Interactive Python.

Populating the interactive namespace from numpy and matplotlib

In [1]: runfile('G:/minor project/main.py', wdir='G:/minor project')
```

Overlaid on the terminal is a GUI window titled "Python" with a close button. The window displays a COVID-19 icon and the following text:

COVID-19 Updates India
Coronavirus Cases:34,606,541
Deaths:469,724
Recovered:34,037,054

The Windows taskbar at the bottom shows the system tray with the date and time: 21:11, 02-12-2021. The system tray also includes icons for network, volume, and power, along with the language set to ENG and a notification icon with a '4'.



{Coronavirus Cases:34,606,541} Deaths:469,724 Recovered:34,037,054

REFRESH

```

1  import plyer
2  from plyer import notification
3  import time
4  import tkinter as tk
5  import requests
6  import threading
7  from bs4 import BeautifulSoup
8
9
10
11 #
12 def get_corona_detail_of_india():
13     URL = "https://www.worldometers.info/coronavirus/country/india/"
14     try:
15         r = requests.get(URL).text # request some data from the given url
16         soup = BeautifulSoup(r, 'html.parser')
17
18         myData = soup.find_all('div')[5].text.strip() # Fetch all the required data
19         x = myData.split('\n')
20
21         while "" in x:
22             x.remove("")
23
24         data = []
25         for i in range(4, 10):
26             data.append(x[i].strip()) # clean data to filter out
27
28         contents = [data[i]+data[i+1] for i in range(0, 5, 2)]
29         return contents # display the information in desired format
30
31     except Exception:
32         notify_me("Something went wrong. Could not fetch data")
33
34 def refresh():
35     newdata = get_corona_detail_of_india()
36     print("Refreshing..")
37     mainLabel['text'] = newdata

```

LSP Python: ready

```

51 def notifyMe(message):
52     while True:
53         notification.notify(title = "COVID-19 Updates India",
54                             message = message,
55                             app_icon = "icon.ico",
56                             timeout = 10)
57         time.sleep(3*60*60)
58
59 if __name__ == "__main__":
60
61     #
62
63
64     root = tk.Tk()
65     root.geometry("900x800")
66     root.iconbitmap("icon.ico")
67     root.title("CORONA DATA TRACKER - INDIA")
68     root.configure(background="cyan")
69     f = ("Trebuchet MS", 25, "bold")
70
71     banner = tk.PhotoImage(file="corni.png")
72     bannerLabel = tk.Label(root, image=banner)
73     bannerLabel.pack()
74
75     mainLabel = tk.Label(root, text=get_corona_detail_of_india(), font=f, background='white')
76     mainLabel.pack()
77
78
79
80     reBtn=tk.Button(root, text="REFRESH", font=f, relief='solid', command=refresh)
81     reBtn.pack()
82     # notify_me()
83     th1 = threading.Thread(target = notify_me)
84     th1.setDaemon(True)
85     th1.start()
86
87     root.mainloop()

```

LSP Python: ready

BIBLIOGRAPHY

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- <https://stackoverflow.com/>
- <https://www.geeksforgeeks.org/>
- <https://www.tutorialspoint.com/>
- <https://www.w3schools.com/xml/>