

---

---

# Covid19 Whatsap Bot

— A single bot to keep you update —

---

---

# PROBLEM

- **As Cases are increasing ,Fake Information about Cases are also increasing.**
- **People are misguided to install corrupt apps,making new ways to cyberattack**
- **No proper single platform to clarify people's query about cases,**
- **Information about government packages for citizens are not reaching end users,**
- **It is becoming difficult to access healthcare and other authenticate government websites.**

# Stats

- **9,100 coronavirus-themed cyberattacks witnessed in India between Feb 2-May 2: Microsoft**
- **As Many as 50% of People with COVID-19 Aren't Aware They Have the Virus**
- **Around 60% people aren't aware of covid19 symptoms.**
- **400 Million Whatsapp Users in India.**

# Solution

- **Create a Whatsapp Bot,It can be easily reached to users just saving single number**
- **Covid case stats,Symptoms,Frequent updates from authenticate source**
- **One Click access to Healthcare and other Government website**
- **No phishing attack,incorrect information**
- **No Risk of downloading Apps from unknown source**
- **No data from users are collected by Hackers**
- **No Security issue as Whatsapp takes care of Security**

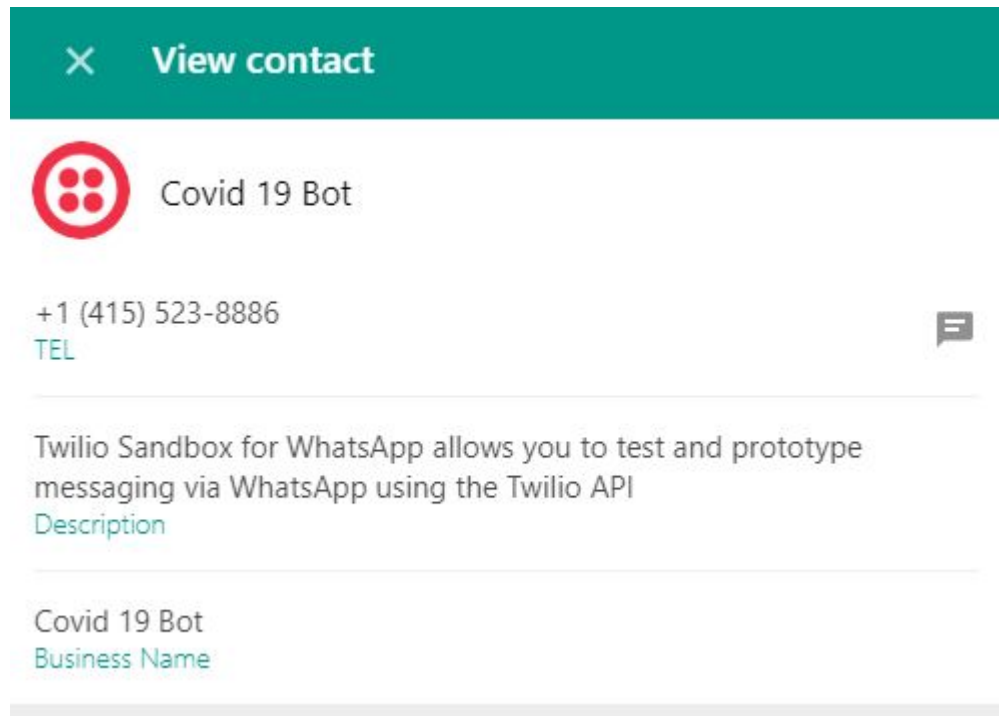
# Why our Whatsapp Bot?

- Continuous covid case tracker and only updates user when he asks for updates
- One click to know Nearby hospitals treating corona cases
- Helpline number and emergency contact details
- Create awareness about how it spread
- Proper Advice to prevent corona attack
- More details on fighting against corona

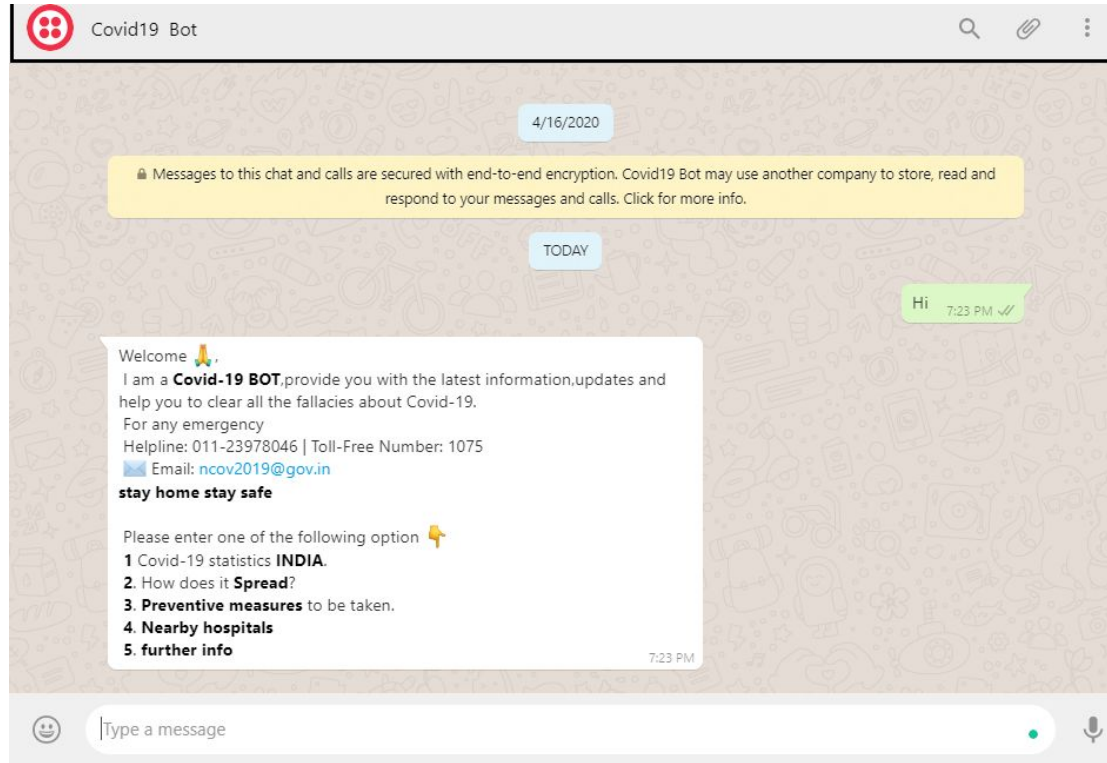
# Tools and Technology used

- Data Visualisation
- Flask Framework
- Heroku for the Bot deployment
- Python
- Twillio Sandbox
- Github
- Binder
- Requests,json(Modules)

# Demo

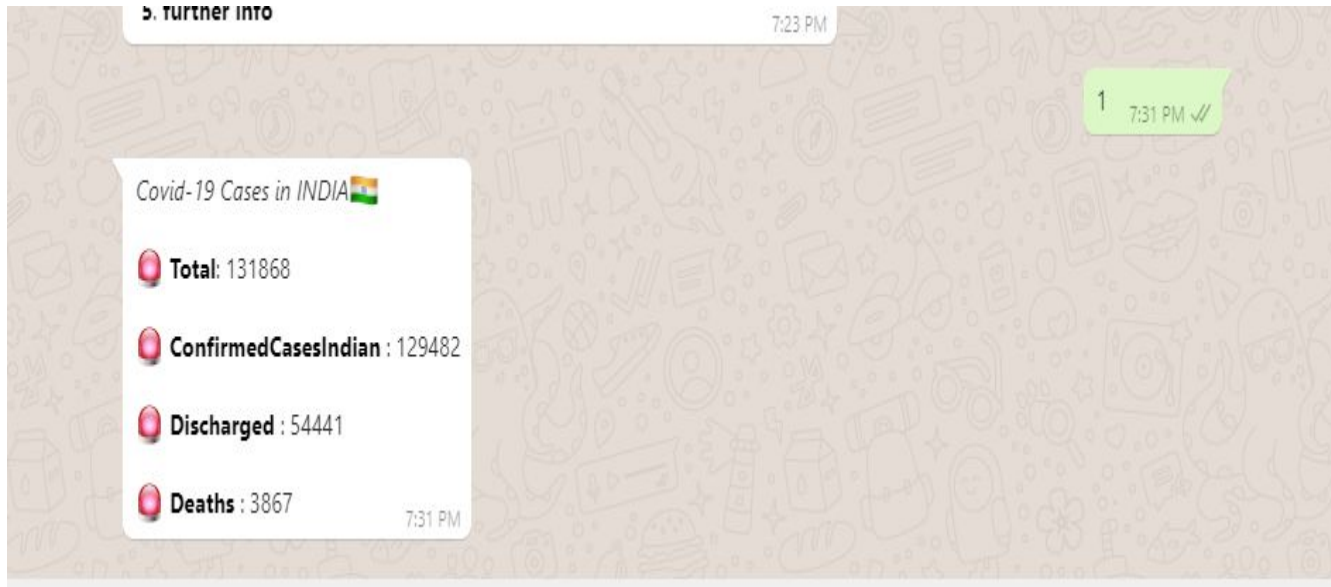


**Our Whatsapp Bot Number**

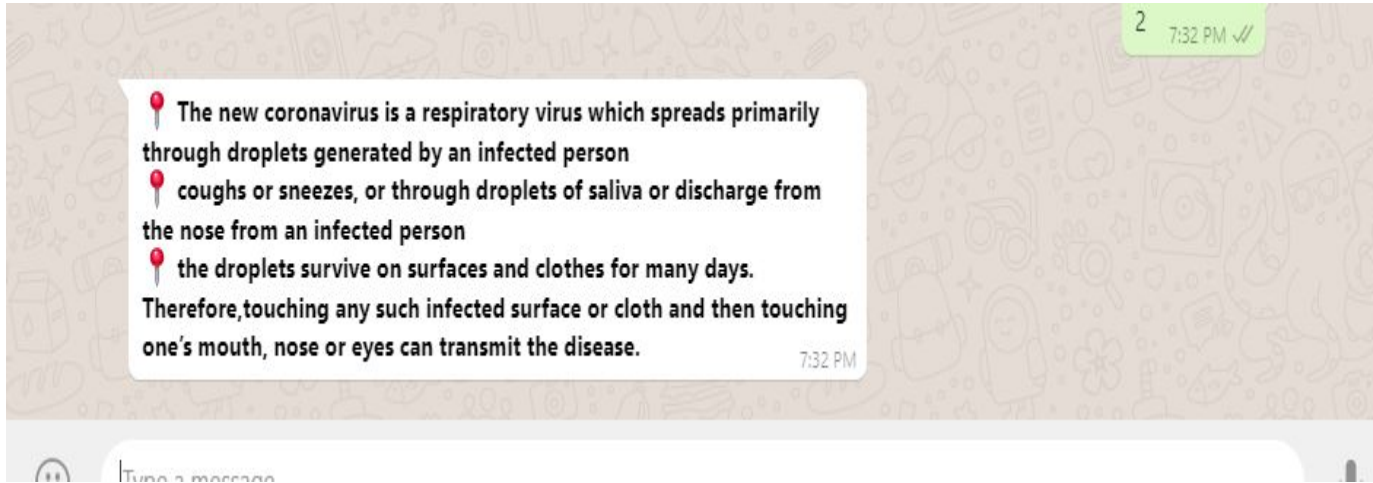


**Trigger our Whatsapp bot using utterances "Hi" , "Hello", "Namaste in Hindi and kannada"**

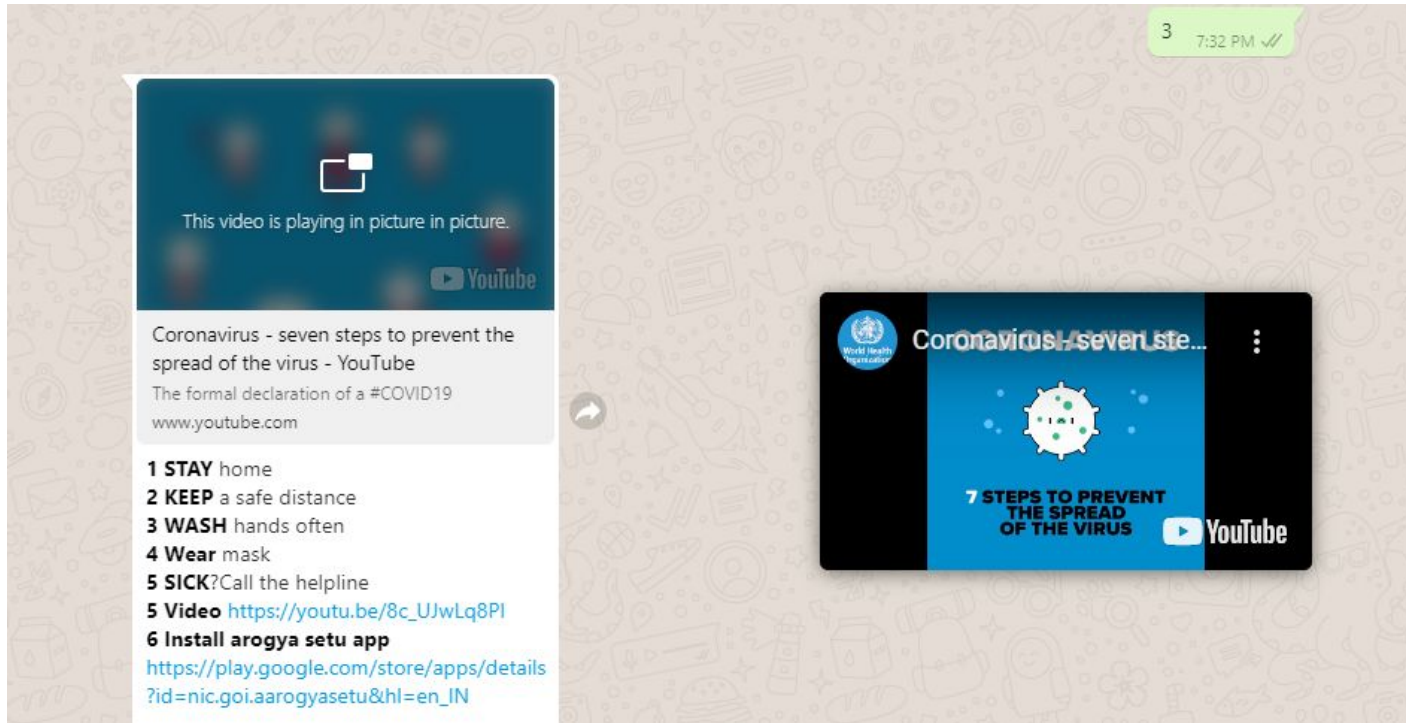




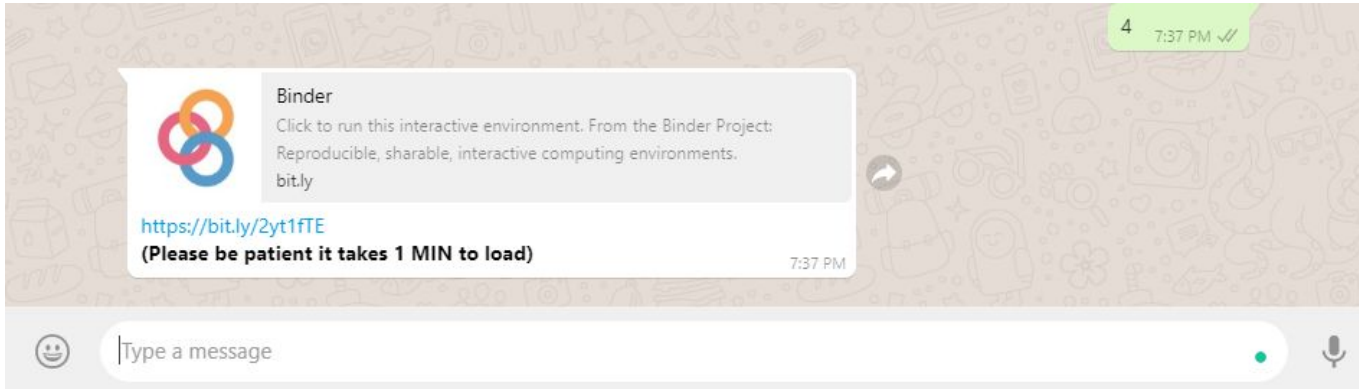
**Option1: Covid Case tracker for india**



**Option2: Create awareness on how corona spread**



**Option3: Preventive measures tips with video and encourage to install Arogya Setu App**



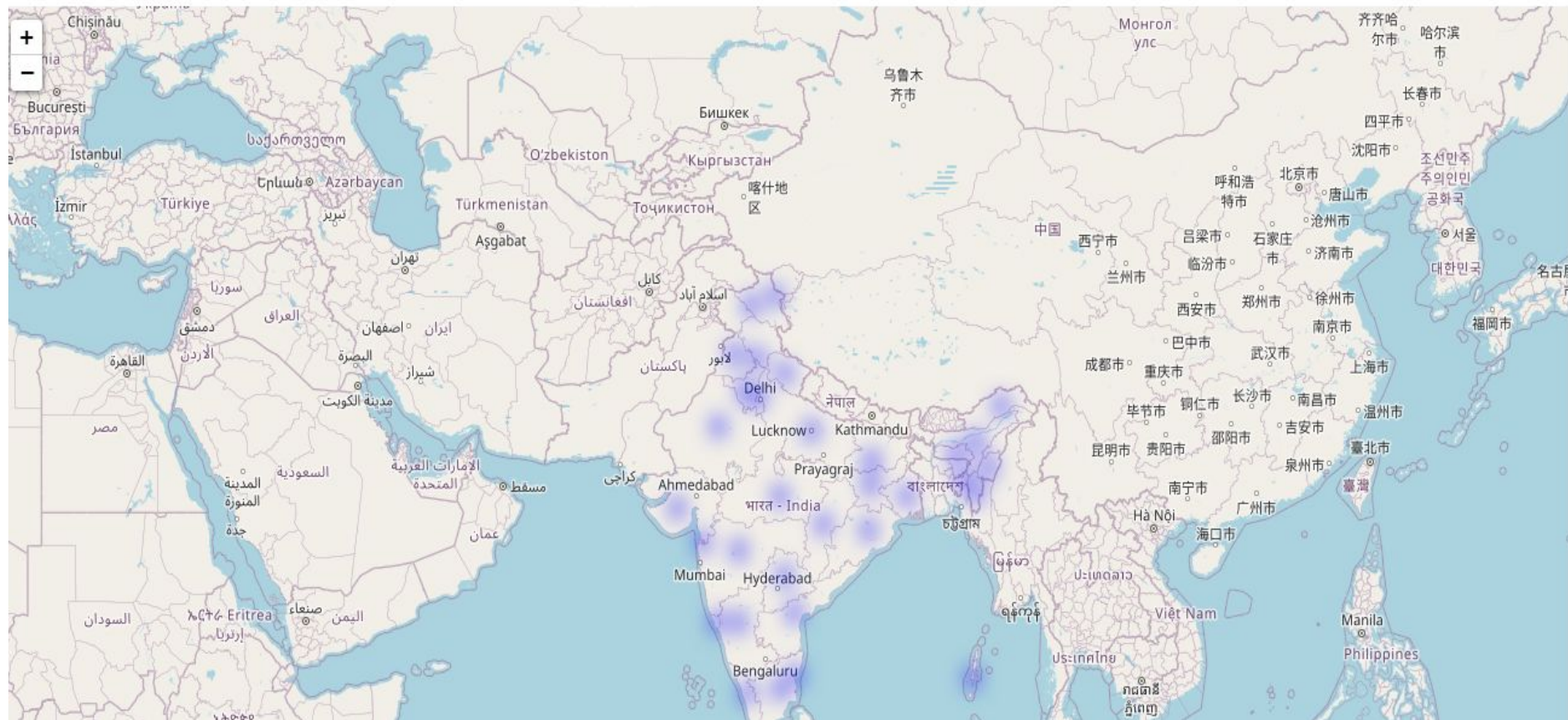
**Option4: Link redirecting to check nearby hospitals in india.Hosted dashboard in global server**

# Dashboard hosted in Binder server





# Displaying The dense of CovidCases affected Area during initial days in India



# Backend

The screenshot shows a web browser window displaying the GitHub repository page for `Adityanagraj/viola`. The browser's address bar shows the URL `github.com/Adityanagraj/viola`. The repository page includes a header with navigation links like "Branch: master" and "New pull request". Below this, there's a section for "Merge pull request #3 from deepakkapse/master" with the latest commit `43225d4` from 2 hours ago. A table lists the files included in the pull request:

File	Commit Message	Time
<code>README.md</code>	Update README.md	5 hours ago
<code>complete.csv</code>	Add files via upload	2 hours ago
<code>coronahospitalsoutput.ipynb</code>	uploaded updated notebook	2 hours ago
<code>hospital.csv</code>	Add files via upload	7 hours ago
<code>requirements.txt</code>	Update requirements.txt	7 hours ago

Below the file list, the `README.md` content is displayed, featuring a Binder launch button and a description: "This Repo is created to convert jupyter notebook as a dashboard". It includes a URL for the binder instance: `https://mybinder.org/badge_logo.svg` and a target URL: `https://mybinder.org/v2/gh/Adityanagraj/viola/master?urlpath=voila%2Frender%2Fcoronahospitalsoutput.ipynb`.

The footer of the page shows the GitHub logo, copyright information "© 2020 GitHub, Inc.", and links for "Terms", "Privacy", "Security", "Status", and "Help". On the right, there are links for "Contact GitHub", "Pricing", "API", "Training", "Blog", and "About". The Windows taskbar at the bottom shows the time as 19:48 on 24-05-20.

Installed add-ons **\$0.00/month**

[Configure Add-ons](#)

There are no add-ons for this app  
You can add add-ons to this app and they will show here. [Learn more](#)

Dyno formation **\$0.00/month**

[Configure Dynos](#)

This app is using **free** dynos

web gunicorn app:app

ON

Collaborator activity

[Manage Access](#)



aditya.nagraj1999@gmail.com

8 deploys

Latest activity

[All Activity](#)



aditya.nagraj1999@gmail.com: Deployed 27854b52  
Today at 3:11 PM · v10



aditya.nagraj1999@gmail.com: Build succeeded  
Today at 3:10 PM · [View build log](#)



aditya.nagraj1999@gmail.com: Deployed ffe829d4  
Today at 3:08 PM · v9



aditya.nagraj1999@gmail.com: Build succeeded  
Today at 3:07 PM · [View build log](#)



aditya.nagraj1999@gmail.com: Deployed 0970b559  
May 21 at 10:16 PM · v8



aditya.nagraj1999@gmail.com: Build succeeded  
May 21 at 10:16 PM · [View build log](#)



aditya.nagraj1999@gmail.com: Deployed 92c9883d  
May 21 at 10:38 AM · v7



# Future Enhancements

- Upgrade Dashboard to make it a dynamic website
- Upgrade binder for running visualization for longer hours
- Implement Machine Learning Model to predict chances of corona by symptoms
- Implement Continuous Integration and Deployment using Jenkins with github hooks

# REFERENCE

- <https://github.com/Adityanagraj/Covid-19-Whatsup-Bot>
- <https://dashboard.heroku.com/apps/whatsupcovidbot>
- <https://pbpython.com/interactive-dashboards.html>
- <https://flask.palletsprojects.com/en/1.1.x/>

# Team

Aditya N (USN=1SG17IS003)

Deepak K (USN=1SG17IS027)

Akshay P (USN=1SG17IS008)

# Live Demo

<https://youtu.be/LmvRCYEvWjg>



Thank you

