

# TEAM AOT

**Github Repo:** [Link](#)

**Video Demo:** [Link](#)

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## INTRODUCTION:

We created a chatbot that is easy to use and useful to most of all the different types of people like pregnant ladies, pets, etc.

We need to type our queries into the bot. The Bot will show the results related to the query. The chatbot will end its work when we type quit, Until then you can ask as many queries as possible

## PROPOSED METHOD:

Here we created a model using Tensorflow, NLTK(Natural Language Toolkit), and DNN.

First, the model will start its training from the intents that are comprised in a JSON file. JSON file most of the common queries and related tag the model can identify regarding a particular query.

JSON file has 3 parts

Tag: related tag

Patterns: common patterns to the tag

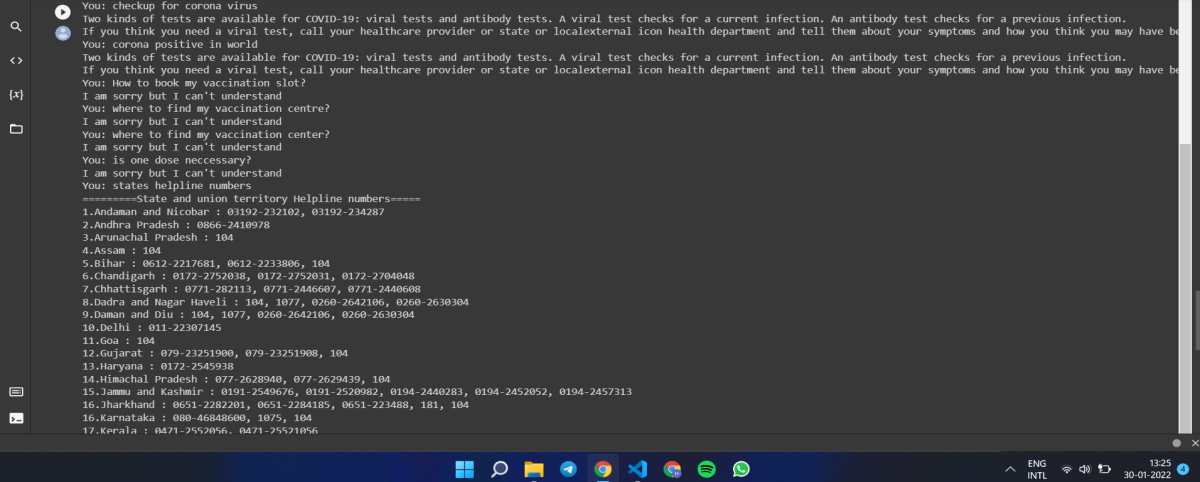
Response: response related to tag

The model trained up to 1000 epochs and gave some good results to asked queries. We haven't deployed the model.

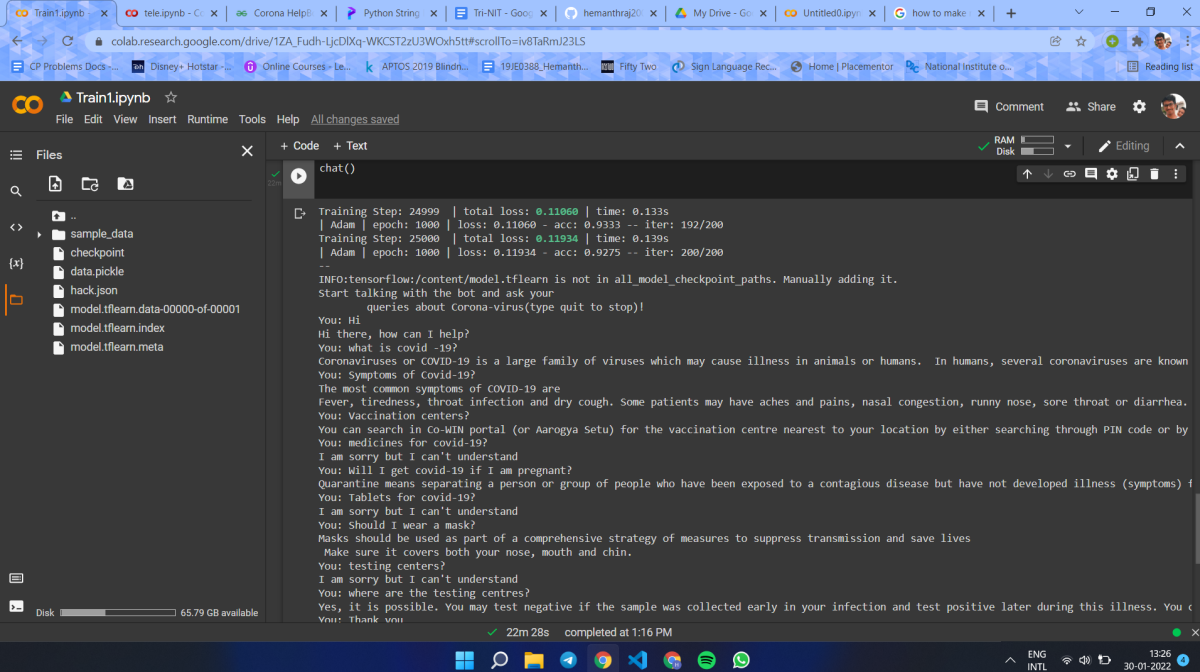
## WORK DONE AND RESULTS:

**Video Link** is provided above please check at the top.

## Some screenshots:



```
You: checkup for corona virus
Two kinds of tests are available for COVID-19: viral tests and antibody tests. A viral test checks for a current infection. An antibody test checks for a previous infection.
If you think you need a viral test, call your healthcare provider or state or local external icon health department and tell them about your symptoms and how you think you may have been exposed.
You: corona positive in world
Two kinds of tests are available for COVID-19: viral tests and antibody tests. A viral test checks for a current infection. An antibody test checks for a previous infection.
If you think you need a viral test, call your healthcare provider or state or local external icon health department and tell them about your symptoms and how you think you may have been exposed.
You: How to book my vaccination slot?
I am sorry but I can't understand
You: where to find my vaccination centre?
I am sorry but I can't understand
You: where to find my vaccination center?
I am sorry but I can't understand
You: is one dose necessary?
I am sorry but I can't understand
You: states helpline numbers
-----State and union territory Helpline numbers-----
1.Andaman and Nicobar : 03192-232102, 03192-234287
2.Andhra Pradesh : 0866-2410978
3.Arunachal Pradesh : 104
4.Assam : 104
5.Bihar : 0612-2217681, 0612-2233806, 104
6.Chandigarh : 0172-2752038, 0172-2752031, 0172-2704048
7.Chhattisgarh : 0771-282113, 0771-2446667, 0771-2440608
8.Dadra and Nagar Haveli : 104, 1077, 0260-2642106, 0260-2630304
9.Daman and Diu : 104, 1077, 0260-2642106, 0260-2630304
10.Delhi : 011-22307145
11.Goa : 104
12.Gujarat : 079-23251900, 079-23251908, 104
13.Haryana : 0172-2545938
14.Himachal Pradesh : 077-2628040, 077-2629439, 104
15.Jammu and Kashmir : 0191-2549676, 0191-2549982, 0194-2440283, 0194-2452052, 0194-2457133
16.Jharkhand : 0651-2282201, 0651-2284185, 0651-2234888, 181, 104
17.Karnataka : 080-46848600, 1075, 104
18.Kerala : 0471-2552056, 0471-25521956
```



```
Training Step: 24999 | total loss: 0.11060 | time: 0.133s
| Adam | epoch: 1000 | loss: 0.11060 - acc: 0.9333 -- iter: 192/200
Training Step: 25000 | total loss: 0.11934 | time: 0.139s
| Adam | epoch: 1000 | loss: 0.11934 - acc: 0.9275 -- iter: 200/200

INFO:tensorflow/content/model.tflearn is not in all_model_checkpoint_paths. Manually adding it.
Start talking with the bot and ask your queries about Corona-virus(type quit to stop)!

You: Hi
Hi there, how can I help?
You: what is covid -19?
Coronaviruses or COVID-19 is a large family of viruses which may cause illness in animals or humans. In humans, several coronaviruses are known to cause respiratory infections ranging from the common cold to the severe acute respiratory syndrome (SARS).
You: Symptoms of covid-19?
The most common symptoms of COVID-19 are Fever, tiredness, throat infection and dry cough. Some patients may have aches and pains, nasal congestion, runny nose, sore throat or diarrhea.
You: Vaccination centers?
You can search in Co-WIN portal (or Aarogya Setu) for the vaccination centre nearest to your location by either searching through PIN code or by location.
You: medicines for covid-19?
I am sorry but I can't understand
You: Will I get covid-19 if I am pregnant?
Quarantine means separating a person or group of people who have been exposed to a contagious disease but have not developed illness (symptoms) from those who have not.
You: Tablets for covid-19?
I am sorry but I can't understand
You: Should I wear a mask?
Masks should be used as part of a comprehensive strategy of measures to suppress transmission and save lives. Make sure it covers both your nose, mouth and chin.
You: testing centers?
I am sorry but I can't understand
You: where are the testing centres?
Yes, it is possible. You may test negative if the sample was collected early in your infection and test positive later during this illness. You can also get tested at a COVID-19 testing centre.
You: Thank you
```

## CONCLUSION:

From the above work done and results, we created a model which will answer the queries related to covid-19.