



DISEASE OUTBREAK DETECTION

Team Members

- Pratham Nayak - 191IT241
- Aprameya Dash - 191IT209
- Suyash Chintawar - 191IT109

Step 1- Initial Setup

1. Clone the Github repository

git clone <https://github.com/spectre900/Disease-Outbreak-Detection.git>

2. Enter the cloned directory. Install all required packages from **requirement.txt**

pip install -r requirements.txt

Step 2- Train model

1. Enter the directory **LSTM/train**. Execute the file **preprocessing.py**

```
cd LSTM/train
```

```
python3 preprocessing.py
```

2. In the same directory, execute the file **train.py**

```
python3 train.py
```

3. Wait for the training to be completed! Finally a trained disease detector model will be created.

Step 3- Execution

1. In the main directory, execute the driver file 'driver.py' to generate real-time data.

```
python3 driver.py
```

2. Enter the **Frontend** directory and execute the file **app.py** to start the flask server

```
cd Frontend
```

```
python3 app.py
```

3. Open the URL:

```
http://127.0.0.1:5000/
```

4. Browse the web pages and see all generated statistics!

Thank You