**CHAPTER 5**

**RESULTS AND DISCUSSION**

When there is a bus failure on an ongoing journey, the passengers go into a dilemma whether to wait there for help to arrive or to move by private vehicle. Nowadays, the increase in harmful gases in the atmosphere is causing damage to human life.

The difficulties faced by people when a bus fails or one fails to board the bus on time lead to confusion among the people. Also, air pollution is one of the major environmental issues that cannot be ignored. Inhaling pollutants for a long time causes damage to human health.

To overcome this problem this is to build an *"Android application"* which will help us track the bus locations and monitor the air pollution levels in the environment through a mobile application. And this application provides the information and location of bus and amount of pollution during the journey of various places to the stake holders for taking care and prior precautions.

Being able to track the location of your bus in real-time. With a bus tracking system, you can do just that! A bus tracking system can help our organization improve transportation efficiency and optimize routing. It can also help you track the whereabouts of buses and passengers in real-time, giving you complete visibility into your bus operations.

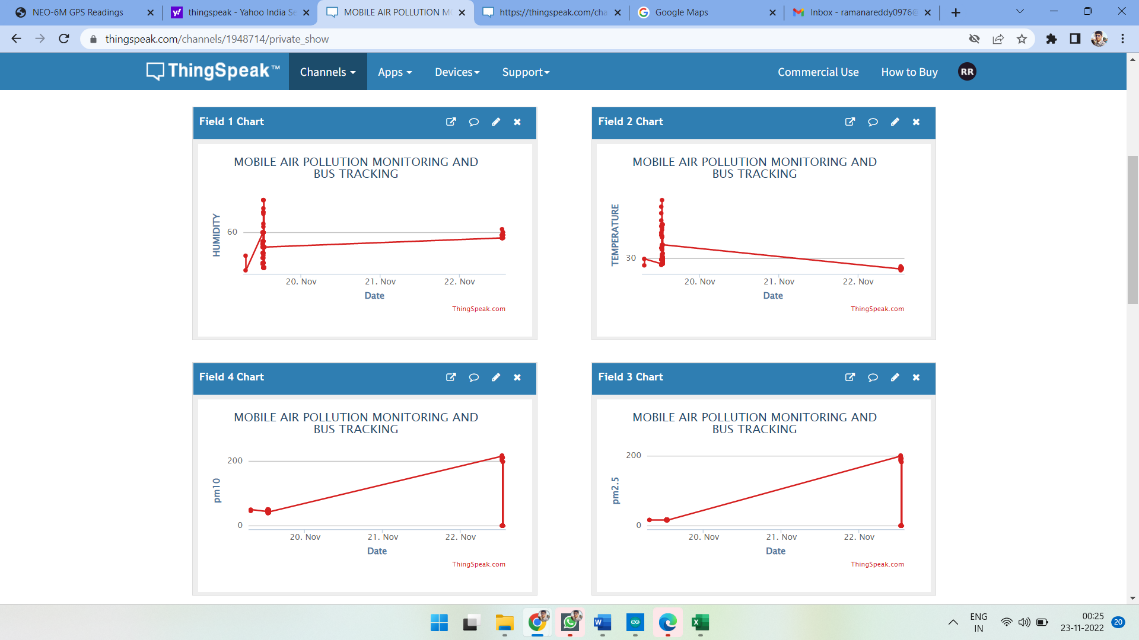


Fig 5.1 bvdjbfirhjkwhfajlksjoeiuwbalfefn

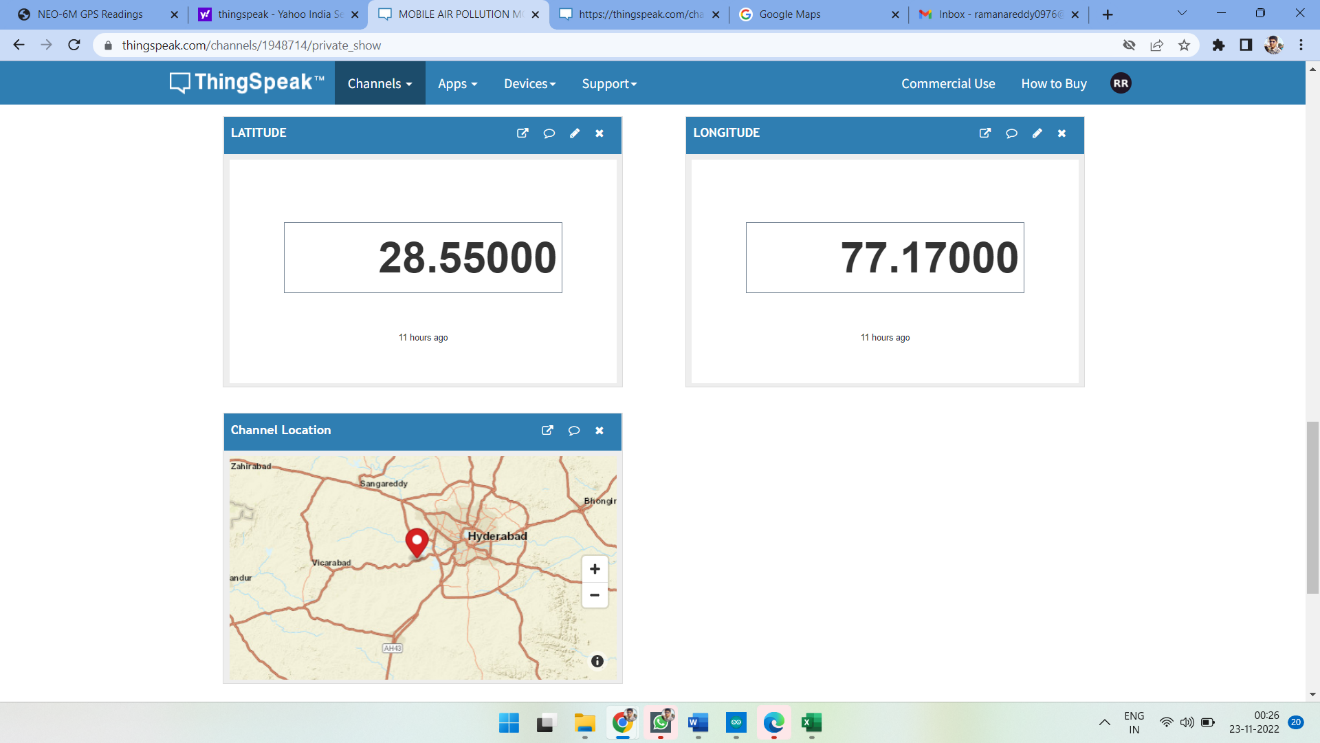


Fig 5.2 bdhfeojfndhol[[0p9eioubfndmcs,

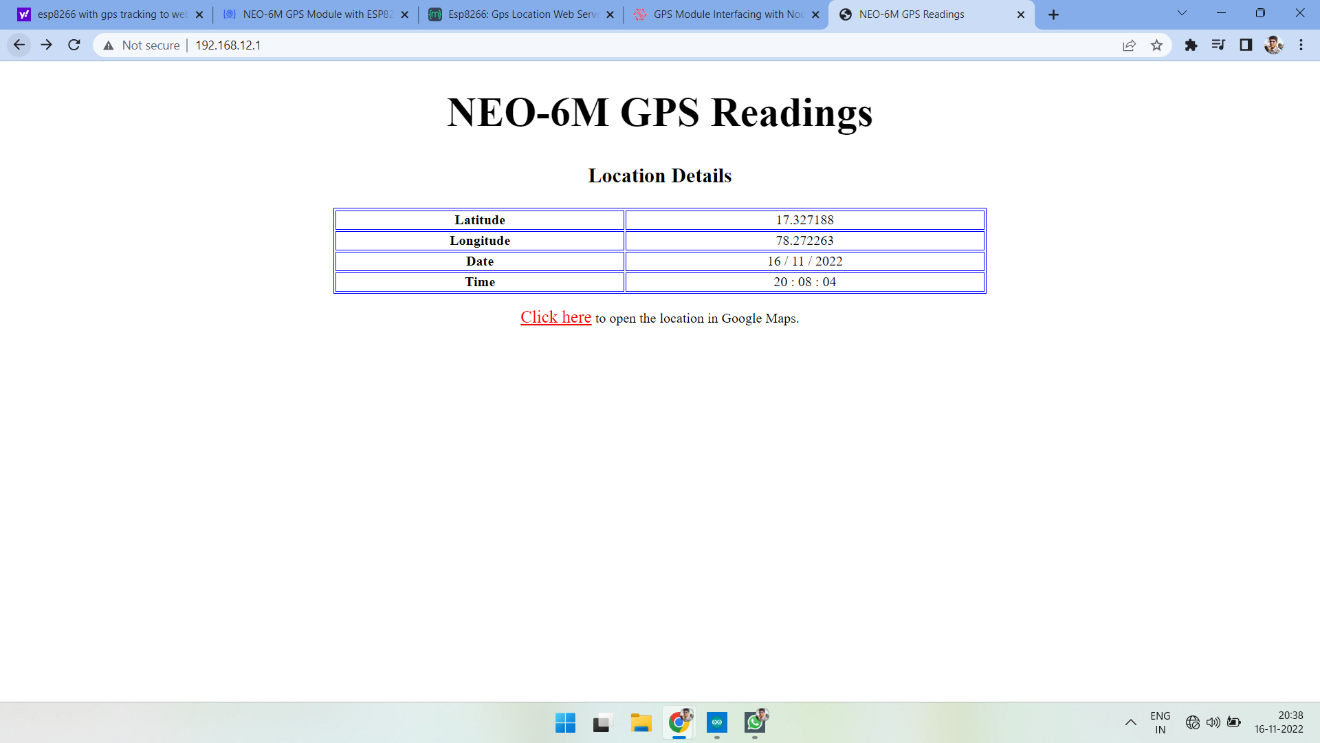


Fig 5.3 rjkndlsjkfoiwhsnlk

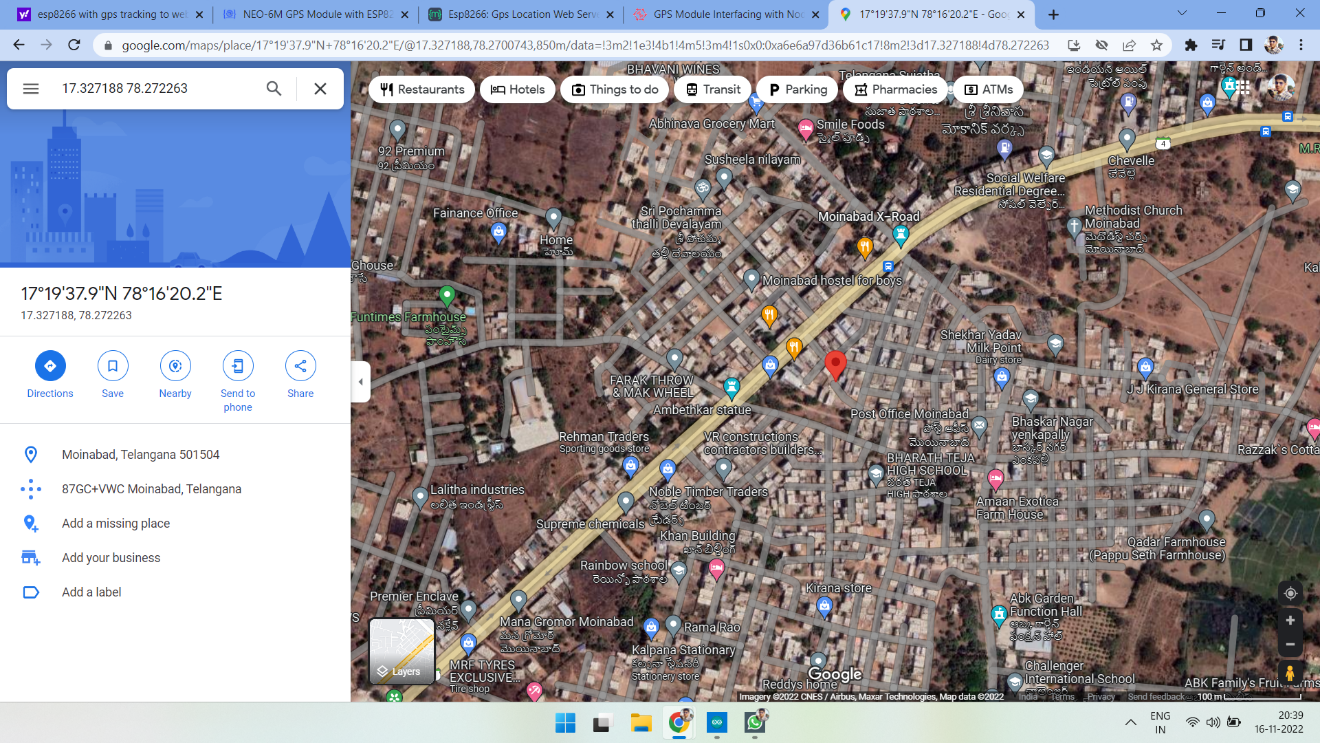


Fig 5.4 dnbihwospaikfw--=olda,pfmosfineu

Circuit photo

**CHAPTER 6**

# CONCLUSION AND FUTURE SCOPE

# 6.1 CONCLUSION

The project titled “**MOBILE AIR POLLUTION MONITORING AND BUS TRACKING**” is a model for bus tracking unit with the help of gps receivers and GSM modem and it is better scheduling or route planning can enable you handle larger jobs loads within a particular time. Bus tracking both in case of personal as well as business purpose improves safety and security, communication medium, performance monitoring and increases productivity.

As well as the air pollution monitoring will be done parallelly, the different areas have different levels of air quality at different times it is important for us to monitor what is happening. In this way we can identify trouble spots and ensure that we are taking the right steps. So, in the coming year, it is going to play a major role in our day-to-day living. We have completed the project as per the requirements of our project.

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# 6.2 FUTURE SCOPE

1. The proposed system can be connected to a GSM module and when the air pollution levels cross a certain threshold, it can immediately alert the local pollution board and other concerned parties.

2. We can reduce the size of the kit and increase accuracy up to 3m by using more standard GPS receivers.

The proposed system can be modified and can also be upgraded as:

E.g., “**To make more effective and real time we can add air purifier to the existing model”** which might also be bit complex.

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