CHAPTER – 6

LIMITATION AND CONCLUSION

6.1 Advantages and disadvantages of the system

As every existing system has some advantages and limitations. The advantages and disadvantages of our project is given below.

6.1.1. Advantages

- **Reliable:**
  - The proposed System is reliable and trustworthy as until any electricity overload, it serves a user the best functionality.
- **Easy to Access:**
  - It can be easily accessed by any citizen in the city because it has simple UI for observing the status of some places in city and dumping worker can easily know the location of the overflowed dustbin.
- **Simple:**
  - The platform used for configuring it, has a user-friendly environment and easily understood by everyone.
- **Internet Access:**
  - User can use it from anywhere using an internet connection.

6.1.2. Disadvantages

- **Needs Maintenance:**
  - As the proposed system is based on hardware equipment, each and every module has a risk of get damaged by time so between some period of time the maintenance is needed.

- **Complex Wiring:**
  - The pin number, electronic sensors and module has possibilities of mismatching and thus the proper table must be maintained, otherwise it will no more an accurate service.

- **Network connection:**
  - For providing online data at database all the modules of project are required to be connected to the internet every time.

6.2 Conclusion

- In simple words our project is about to automate the city with the help of modern technologies to simplify the work of normal human being as easy as possible.
- The Smart City agenda entails improving the citizens quality of life, strengthening and diversifying the lifestyle while prioritizing environment sustainability through adoption of smart solutions.

6.3 Future Scope

- As we know there is no limit that can include in the smart city.

- We have completed our primary module we will going to develop other modules like

  - Traffic Management System,
  - Air Pollution Management,
  - Smart Irrigation System,
  - Home Automation System,
  - Smart Building etc…

6.4 References: -

- Online IDE for Circuit Designing
  - https://www.tinkercad.com/dashboard
- Open Source IDE for Arduino Development
  - https://create.arduino.cc
- GitHub:
  - https://github.com/
- Google Firebase
  - https://firebase.google.com/
- Blynk Cloud
  - https://blynk.io/