

Fig.7: Google location of the bin

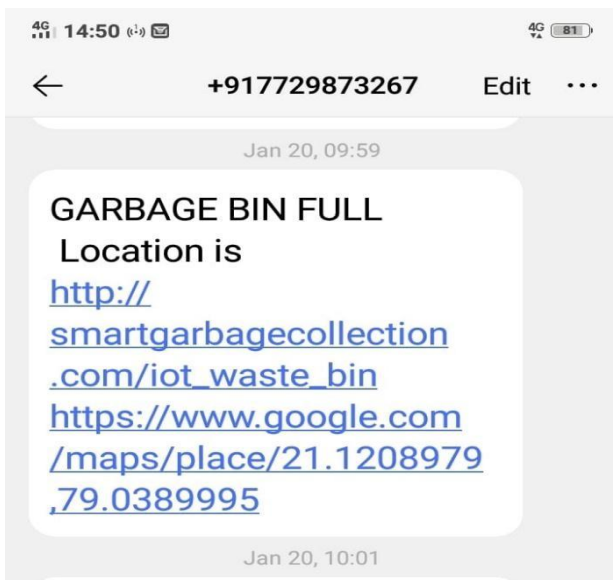


Fig.8: Message sent to the device

A warning message is sent to the caller, as shown in Fig. 9. The controller sends various information about the bin based on its distance, if it exceeds the threshold value, it will display "WASTE BIN FULL".

The action from the mobile phone that motivates the staff has reached its maximum limit and needs to be done quickly. The mobile device sends information to communicate in IoT through the establishment of two-way communication between devices. The database stores all the information about the phone at some point, the system is designed in a way to update the web page of the IoT with the Arduino Uno and its efficient use for ten times as possible. It also reduces maintenance during the year. Necessary It shows garbage on the created web page. Also, the situation and location of our seat in figure 7 and 8 can be seen. This page on the Internet of Things is created using C made in the Arduino compiler because our real

microcontroller is the Arduino UNO. This program can be opened on any device such as a mobile/laptop connected to a GPRS modem. Also, the length and latitude of your location are displayed on the page. Get an ultrasonic cleaner and remove the dirt and touch. He doesn't want to do the work as he doesn't have an Arduino Uno and he will put the sensor as the voice of action and take me to search for IoT or GPS GPS.

The model is developed under standard conditions for testing purposes. In our city, many garbage cans can be considered overloaded. This creates an unsanitary condition in the place and leads to the spread of many diseases. It is proposed to develop an IoT-based smart waste management system that effectively checks whether the trash cans are full or not. Thanks to the implementation of this system, it is possible to ensure cleanliness of the area and avoid the spread of diseases, as well as reduce the costs associated with garbage collection. Various sensors have been used for the real-time implementation.

IV - CONCLUSION

This whole system monitors the level of garbage in the dumpster. It is intended to assist the local corporation with its waste management system, which involves monitoring household and waste water at regular intervals to provide a solution for public and waste water, which also minimizes the entire journey of the garbage truck, which ultimately reduces emissions. In the future, it will be possible to connect different types of sensors for precise output. By reducing manual labor and downtime, this system is a user-friendly product.

This proposed product is an attempt to improve the current waste collection system in India and pave way for a green environment. This proposed system ensures the maintenance of the garbage containers as and when the garbage level reaches the saturation level. This minimizes frequent checking of garbage collection. Ultimately, it aims to maintain the cleanliness and productivity of society. Therefore, the waste monitoring and management system makes garbage collection more effective and efficient.

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