# IoT Garbage Monitoring using Raspberry PI

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**Abstract***:* In India, our P.M has started a mission called SWACCHA BHARAT ABHIYAN, Which aims to clean up the roads, streets and to develop the infrastructure digitally of India's cities and rural areas. Focusing towards the clean India mission, we have provided an efficient solution for monitoring the garbage level on the real time. Whole system is IOT based. The level sensors in the garbage bin detect the garbage level continuously and accordingly the system provides the information to the municipality office. This will avoid the overflowing of the garbage bins. Ultimately it will help us to keep our environment clean and also reduce the health issues. A web page is built to show the status to the user monitoring it. The web page gives a graphical view of the garbage bins and highlights the garbage collected in color in order to show the level.

**Keywords:** IOT, Cloud, GPS, ID, IR sensor, Raspberry-Pi, GSM, SWACCHA BHARAT ABHIYAN