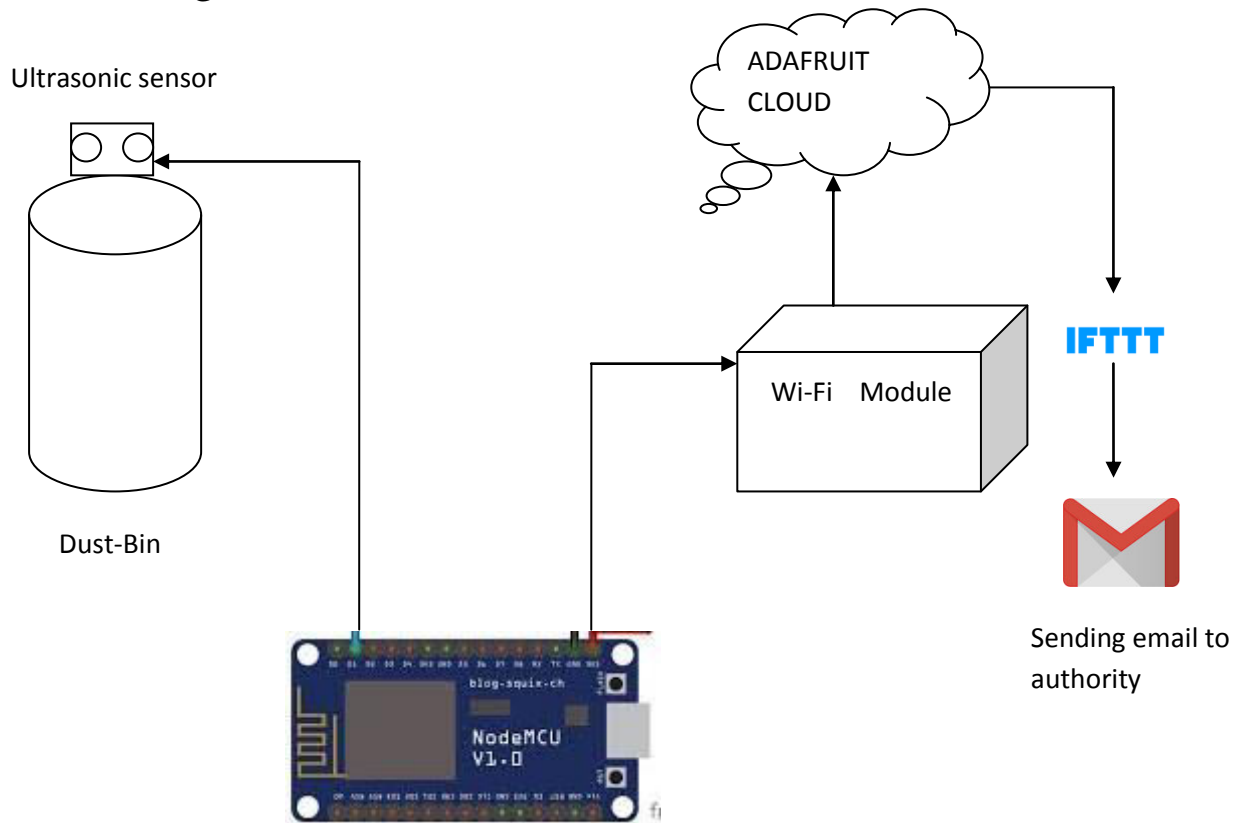# SMART DUST-BIN USING IOT

Abstract: Usually when Dustbins get filled, the authorities might not know to come and collect so, using IOT we can notify them through email. The ultrasonic sensor that is attached to the dustbin monitors the height of the waste and sends the data continuously to the cloud using NodeMCU. We can give the criteria like if the height is greater than the threshold value(i.e. if dustbin is filled?) then a email is generated using IFTTT and send alert message to the authorities.

Input　:Data received from ultrasonic sensor placed above dustbin.

Output: Sending email to authorities when the dustbin is filled.

Architecture Diagram:

Ultrasonic sensor

ADAFRUIT
CLOUD

Wi-Fi   Module

IFTTT

Dust-Bin

blog-squix-ch

NodeMCU
V1.0

Sending email to
authority

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