Smart Waste Management System For Metropolitan Cities

**ABSTRACT**

The project has been implemented as an IoT system which capture images through the Pi and sends, it to the server for processing. On the server , we use CNNs for the Machine learning/Image processing algorithms, which are used to identify type of waste that was dumped. The server communicates back to the Pi and the Pi actuates accordingly by turning the servo motor and thus dumping the garbage to either the recycle or non-cyclable side . We use an ultrasonic sensor to detect the level of garbage accumulated in the bin.