

SRIRAM V

Garbage Truck Weighing Mechanisms	By installing Pneumatic Waste Disposal bins that connect to a series of underground pipes.	ESP32 wifi board will be used for wifi connection for connecting interfaces
Sorting through contaminated waste is one of the biggest challenges for recycling centers. In an effort to limit unrecyclable materials entering these centers, organizations have released apps like Recycle Nation and Recycle that make recycling easier for individuals. These apps provide users with information on recycling rates and center locations, and their comprehensive lists of materials help users determine which items can be recycled.		

PONSHAM S

ULTRASONIC SENSOR For detecting the opening of smart bin will be installed to get statistics use and detect bad closure.	Re-route effectively Solid wastes can vary from day to day and week by week. The waste management companies can attach a sensor to these disposal units to measure the fill levels. These sensors can collect the data and send them to the collection centers once the dumpster is filled	RFID based trash identification system
Blynk 2.0 will be used as a interface between Arduino board and sensors		

SHARATH VIGNESH S

Data analysis The connected sensors record how soon the bin is filled and the speed at which it is emptied. The design of a smart monitoring system for waste management using IoT can prove the worth of collecting the data, and the possibilities can be endless, like eliminating the incorrect waste practices, planning the distribution of these dumpsters	Timely pickup of wastes The data gathered from the dumpsters will help reduce the timely pickup of the waste before they overload. Once the trash bin is ready to overflow, the collection centers are immediately alerted to send the pickup trucks emptying the filled bins.	DC motor powered platform is used for segregating wet and dry waste ,IR sensor and moisture sensor is used for separating wet and dry waste and detecting
E-Waste Kiosks Eco ATM, a smart recycling company, took this idea one step further by creating a line of e-waste recycling kiosks that allow you to exchange your electronics for cash on the spot. While they won't always offer cash for devices that are broken or destroyed, they accept phones, tablets and MP3 players in any condition and ensure that they are recycled properly.		

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Garbage monitoring by LCD real time display system	After recover of garbage applying of products which is used to composing of waste	Servo motor for detecting the angle variations and opening
Setting Wheels on trails which is use to uplift the trash bin and pour.		