

A INFINITY



"Automated robot for garbage collection and segregation"

Sector: Waste Management

Pre- Incubated Since: 2022

Current Stage: Product under development.

The Challenge: With the increase in waste creation rate, robust waste management has become very essential. Dumped unmanaged wastes causes severe harm to humans and also severely affects the environment. Waste segregation and recycling system is a complex procedure. The significance and the financial importance of waste is realized only when it is segregated.

The Innovation: The proposed robot identifies garbage and classifies it into biodegradable and non-biodegradable. The ultimate goal is automatic segregation of wastes and easy recovery of useful and recyclable items. The robot moves towards the garbage just like a rag picker does.