

Project Design Phase-I
Proposed Solution Template

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To empty bins before they become overflowing with trash or recycling.
2.	Idea / Solution description	The smart sensor based dustbin will judge the level of waste in it and send the message directly to municipal corporation. It senses solid as well as liquid waste.
3.	Novelty / Uniqueness	The uniqueness of the project is about the collection of waste and proper usage of technology to choose shortest path for the disposal of waste.
4.	Social Impact / Customer Satisfaction	It keeps surrounding clean and green ,free from bad odour of wastes, reducing manpower required to handle garbage collection.
5.	Business Model (Revenue Model)	Reduces infrastructure and maintenance costs. Favours smart city project. Marketing activities. Performance based model. Additional sharing model.
6.	Scalability of the Solution	In the field of IOT we proposed to deal with sensors, Arduino board, GSM module to achieve "Smart waste management system for meteropolitian cities" which is beneficial for the workers and the surrounding.