PROJECT DESIGN PHASE 1

SOLUTION FIT TEMPLATE

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| TEAM ID | PNT2022TMID13652 |
| PROJECT NAME | SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES |

Project Title: Smart Waste Management System For Metropolitan Cities Project Design Phase-I - Solution Fit Template Team ID: PNT2022TMID13652

* Sending message automatically to the municipal officer rather than making call after identification of overflowed bins.
* Fluctuation in internet connectivity
* Delay in data transmission
* Increased power consumption
* Increased maintenance cost
* Metropolitan city people
* Waste holder belonging to Government and private sectors



* By using emerging technology to make efficient solution
* Making automation without manual involvement
* Lack of proper waste disposable and management system leads to many problems which include spreading of many contagious diseases.
* Early identification of overflowing of dustbin
* Provide separation of wastes such as biodegradable and non-biodegradable wastes
* Waste should collected by the sanitary worker once the bin is full



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|  | **3. TRIGGERS TR**  What triggers customers to act? i.e. seeing their neighbour installing solar panels, reading about a more efﬁcient solution in the news.   * Invest in Eco friendly products * Proper intimation to the municipality to collect the waste before it got overflowed * Providing solution with trending technology which is cost efficient * Lack of awareness about emerging technology related to waste management * Provide energy to the bin using solar panels | **10. YOUR SOLUTION SL** | 1. **CHANNELS of BEHAVIOUR CH**  * ONLINE: checking garbage bin level using app via online * OFFLINE: put waste in garbage by separating the waste into biodegradable and non-biodegradable. |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  How do customers feel when they face a problem or a job and afterwards?   * Before: Frustrated and tired in disposing and managing wastes * After: hygienic and happy environment.   i.e. lost, inscecure > conﬁdent, in control - use it in your communication strategy & design. |