Ideation Phase

Define the Problem Statements

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| Date | 20 October 2022 |
| Team ID | PNT2022TMID12076 |
| Project Name | Smart Waste Management System For Metropolitan Cities |
| Maximum Marks | 2 Marks |

**Problem Statement:**

* IoT-based agriculture system helps the farmer in monitoring different parameters of his field like soil moisture, temperature, and humidity using some sensors.
* Farmers can monitor all the sensor parameters by using a web or mobile application even if the farmer is not near his field. Watering the crop is one of the important tasks for the farmer.
* They can make the decision whether to water the crop or postpone it by monitoring the sensor parameters and controlling the motor pumps from the mobile application itself.



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| **Problem Statement (PS)** | **I am (Customer)** | **I’m trying to** | **But** | **Because** | **Which makes me feel** |
| PS-1 | A small waste garbage collector. | Use the technology and data to create a more efficient garbage waste. Based on IOT & Cloud. | Some drivers collect empty bins, predefined collection routes of the system cause waste of time, an increase in fuel consumption  , and excessive use of  resurces. | The smart waste garbage collector is a specially designed method to dispose the garbage in a smart way. | When it solves the social issues of hygiene in the country. |