# Ideation Phase
# Brainstorm & Idea Prioritization Template

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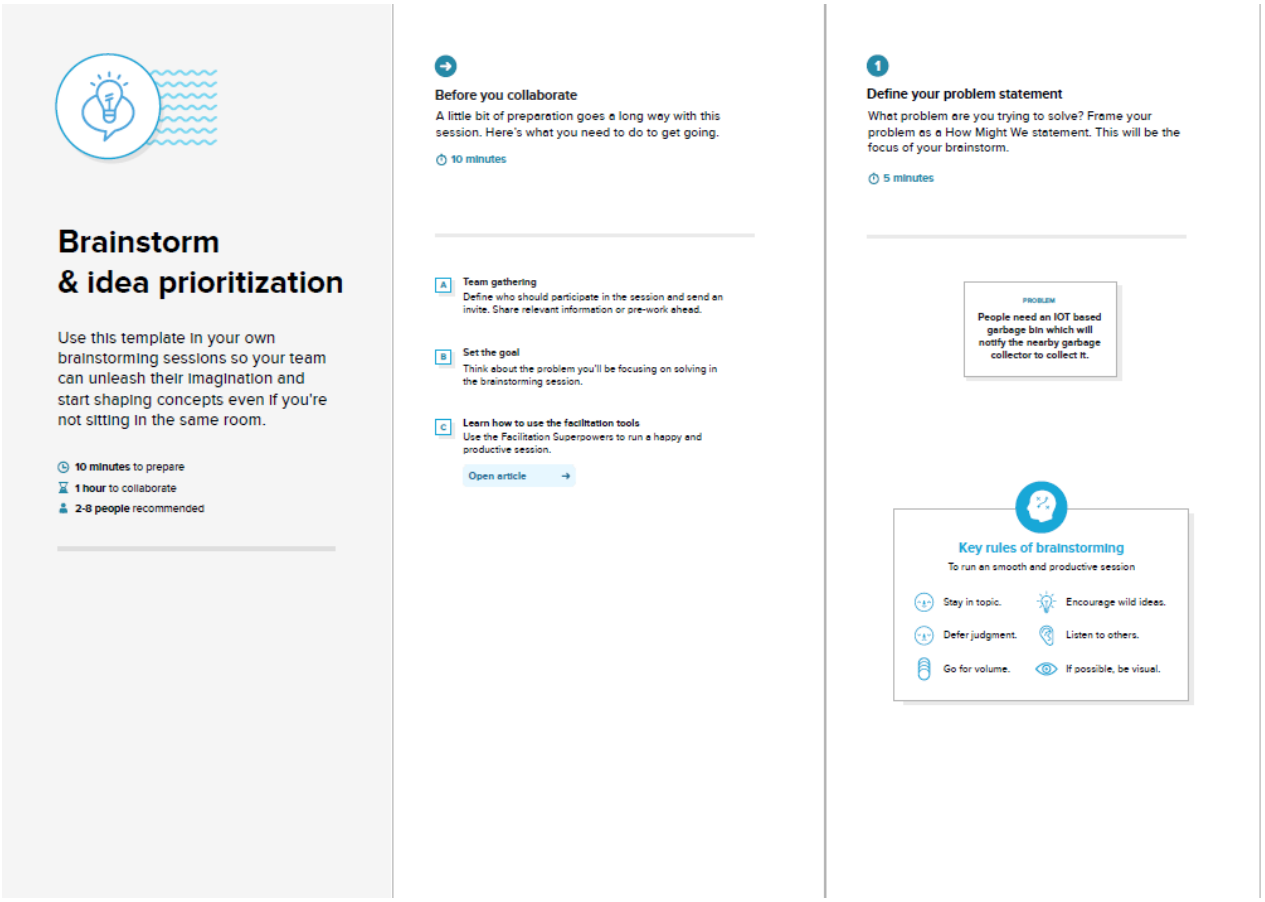
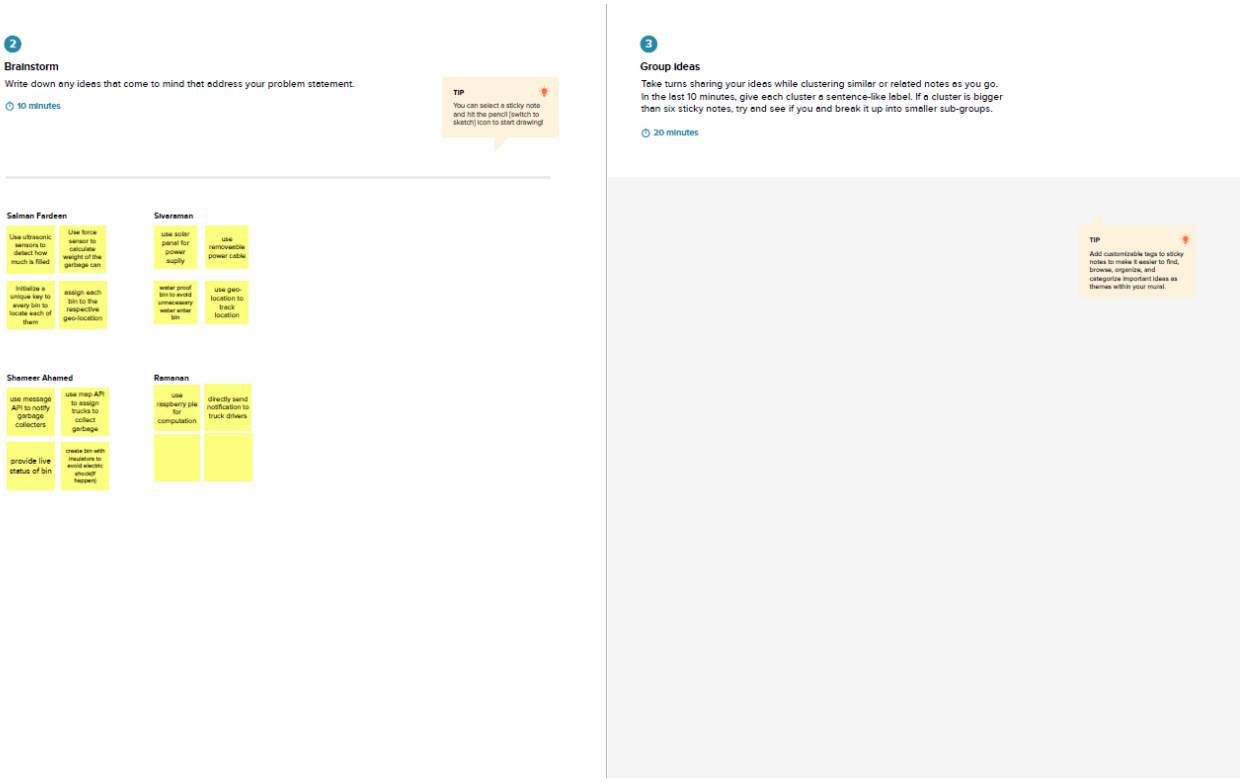
|---|---|
| Date | 27 September 2022 |
| Team ID | PNT2022TMID45346 |
| Project Name | Project - Smart Waste Management System For Metropolitan Cities |
| Maximum Marks | 4 Marks |

**Brainstorm & Idea Prioritization:**

**Step-1: Team Gathering, Collaboration and Select the Problem Statement:**



**Step-2: Brainstorm, Idea Listing and Grouping**




**Salman Fardeen:**

- Use ultrasonic sensors to detect how much is filled.
- Use force sensor to calculate weight of the garbage can.
- Initialize a unique key to every bin to locate each of them
- assign each bin to the respective geo-location

**Sivaraman:**

- use solar panel for power supply
- use removeable power cable
- water proof bin to avoid unnecessary water enter bin
- use geolocation to track location

**Shameer Ahamed:**

- use message API to notify Garbage collectors
- assign use map API to trucks to collect garbage
- provide live status of bin
- create bin with insulators to avoid electric shock(If happen)

**Ramanan:**

- Use raspberry pie for computation
- directly send notification to truck drivers

## Step-3: Idea Prioritization