**Ideation Phase**

**Define the Problem Statements**

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| --- | --- |
| Date | 19 September 2022 |
| Team ID | PNT2022TMID30018 |
| Project Name | Project – IOT Based on Smart Crop Protection System in Agriculture |
| Maximum Marks | 2 Marks |

**Customer Problem Statement Template:**

Create a problem statement to understand your customer's point of view. The Customer Problem Statement template helps you focus on what matters to create experiences people will love.

A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you’ll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Graphical user interface, text, application, email

Description automatically generated

Reference: <https://miro.com/templates/customer-problem-statement/>

**Example:**

Chart, treemap chart

Description automatically generated

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Problem Statement (PS)** | **Iam (Customer)** | **I’m trying to** | **But** | **Because** | | **Which makes me feel** |
| PS-1 | Customer -1 | Incease the crop productivity of the | Some times local animals are ravaged | | This leads to losses for `the farmer | Due to over population , it occurs a deforestation this results the storage of food , water and shelter in forest areas. |
| PS-2 | Customer-2 | Protect the local animals , human beings | Impact negativelyin various means such as by depledation of crop , damaging grain stores, water supplies, houses and other assets, injuring and death of human. | | So here we are proposed the automatic crop protection system from animals .This is based on microcontroller-based system family using PIC microcontroller. | These system use a motion sensor use a motion sensor to detect wild animal approaching near the field . In a case the sensor the microcontroller to take action. |