

Ideation Phase – List of Problem Statements

PROJECT DOMAIN	<i>INTERNET OF THINGS</i>
PROJECT TITLE	<i>IoT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE</i>
TEAM ID	PNT2022TMID44357
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1. India is a well grown country in the field of agriculture to improve and enhance its improvement. We merged with the IoT to cooperate with the modern technical world.

2. Who does the problem affect?

If the crops are affected by birds and animals,

- It led to wastage of food and reduce cultivation
- Wastage of money
- Indian Economy because Crop production is one of the most important sources of the income.

If the moisture level of soil is not detected,

- It leads to spoil the soil consistence which enhance the crop growth.
- If the land is wet or dry cannot be predicted.
- It will affect both consumer and landlord

They will be affected if there is a problem in low yield.

3. What are the boundaries of the problem?

- To enhance the profit by good harvest
- Future prediction – What will happen if we make that decision.
- Do all the possible ways to change moving forward.
- Location matters for a good crop yield.
- Moving with the technical world soil texture to enhance the crop yields.

4. What is the issue?

- If we fail to monitor the bird and animals which affect the crops, it reduces and affect the yield.

5. When does the issue occur?

The crop yield will be affected, if

- Crop affected by animals and birds.
- Lack of water supply.
- Land located far away from the landlord location.
- Over drenched of land.

6. Where is the issue occurring?

- Due to lack of research on data for analysis
- If we fail to handle and work with the modern technology to detect the birds and animals.
- If we work with the improvement of issues.
- If the location is not considered during analysis.

7. Why is it important that we fix the problem? If

we fix the problem,

- Good Harvest and improve profit.
- Insight of Crop production in India.
- Visible progress in the yield.
- Stepping forward increase in the production.
- Analyse the soil texture and preventing water wastage.