

**Project Design Phase-I**  
**Proposed Solution Template**

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|---------------|--|
| Date          | 24 September 2022  |
| Team ID       | PNT2022TMID50062   |
| Project Name  | Project - IOT Based Smart Crop Protection System For Agriculture |
| Maximum Marks | 2 Marks  |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

| S.No. | Parameter                                | Description  |
|-------|--|--|
| 1.    | Problem Statement (Problem to be solved) | Develop smart & affordable solution to protect crop from wild animals. It is not possible to stay 24 HOUR in the farm to guard the crops. This system shall also include remote monitoring and control of pump to avoid the farmer to visit the farm in nighttime. |
| 2.    | Idea / Solution description              | Such sensor can identify sick animals so that farmers can separate them from the herd and avoid contamination. Simple solution to suite the farmer community.  |
| 3.    | Novelty / Uniqueness                     | The uses a motion sensor to detect wild animals approaching near the field and smoke in the animals.   |
| 4.    | Social Impact / Customer Satisfaction    | During analysis if gets better result of the combination of the data gathered from the various sensor then those data to all the volunteer for further use.  |
| 5.    | Business Model (Revenue Model)           | The direct access to farmers has e Emerged to encourage new practices, contractual engagement for input and output marketplaces, and credit lending agreements.  |
| 6.    | Scalability of the Solution              | Our ambitious scaling positive agriculture project aims to transform global food system by maximizing the potential of agriculture as a solution for climate,nature and farmers.   |