**Project design phase -1**

**Proposed solution template**

|  |  |
| --- | --- |
| Date | 01-october 2022 |
| Team ID | PNT2022TMIDPs31 |
| Project Name | 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) | Our aim is to detect the animal and birds invasion in the  field . |
| 2. | Idea / Solution description | we will use PIR sensor for motion detection ,therefore  Buzzer is on to scar away the animals and an alert  message is send to the Farmers mobile by GSM module . |
| 3. | Novelty / Uniqueness | The uniqueness of the project is to avoid the expenditure  of the labour wages. This system is used to detect the  presence of animal. |
| 4. | Social Impact / Customer Satisfaction | In order to help the farmers this IoT technology helps  customers to alert the farmers and scare animals an birds  which satisfies the customers by increasing the productivity. |
| 5. | Business Model (Revenue Model) | By using this technology and ideation of our projects  ,Farmers will not affected by the yield. So they are  benefitted financially. |
| 6. | Scalability of the Solution | 40 % of the farmers are literates, they can use modern  technology which has a understandable architecture. we  can implement this software to a greater extended |
|  |  |  |