**Project Design Phase-I**

**Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 23 September 2022 |
| Team ID | PNT2022TMID30076 |
| Project Name | Smart Farmers using IOT |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | * Lack of Information towards Agriculture. * Overuse of Pesticides and fertilizer in leads agricultural fields leads to destruction of the crop. |
|  | Idea / Solution description | * Use natural fertilizers like Earthworms,Cowdung,will grows the crop well. * Use Advanced Technology to see the Farming live. |
|  | Novelty / Uniqueness | * Reduce Man work by using Drones, RFID   Sensors and Autonomous Robots.   * Using Software Applications like Geo   Spatial to Monitoring the System.   * Decrease Resources input will save the   Farmers Money &Labour.  Data Analytics Solution. |
|  | Social Impact / Customer Satisfaction | * Innovativeness. * Perceived Usefulness. * Perceived Ease of use. * Fulfilling Changing and new Needs. * Effective Response. * Quality Assurance. |
|  | Business Model (Revenue Model) | * + Providing Application based Program.   + Responsible Production.   + Providing Watering System.   + Government Incentives.   + Weather forecast. |
|  | Scalability of the Solution | * + Insecticide Application.   + Mulch around Trees.   + Legume cover Crops   + Operationalize Positive transformation   In Low -Income food and Agricultural  System.   * It allows Farmers to Leverage Sensors. |