**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 27 October 2022 |
| Team ID | PNT2022TMID43116 |
| Project Name | SmartFarmer- IOT Enabled Smart Farming Application |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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| **S.No** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Developing a smart farming application to monitor and crop growth. |
|  | Idea / Solution description | Irrigation sensor consist of a camera embedded in a waterproof and closed chamber. |
|  | Novelty / Uniqueness | Grey scale analysis is used to differ between light and dark pixel. |
|  | Social Impact / Customer Satisfaction | Farmer can monitor live movements in the field directly via UI. |
|  | Business Model (Revenue Model) | The sensors installed in field imported in application. |
|  | Scalability of the Solution | The crop growth can be monitored via camera and ultrasonic sensor providing the scalability of 100% . |