**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 18 November 2022 |
| Team ID | PNT2022TMID47966 |
| Project Name | Project - IOT based smart crop protection for agriculture |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Use many types of seeds | To grow the crops |
| FR-4 | Growth perfect crop protection | Used sunlight ,irrigation,sand enrichment,natural fertilizers |
| FR-5 | Used more fertilizers | To yields many profits in agriculture |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | To less hard work,to save time ,to increase more yields |
| NFR-2 | **Security** | To protect animal attacks |
| NFR-3 | **Reliability** | To not affect weather conditions |
| NFR-4 | **Performance** | High level perform |
| NFR-5 | **Availability** | To decide human trace |
| NFR-6 | **Scalability** | To produce easy crop maintaining |