**Project Design Phase-II**

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

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| Date | 05 October 2022 |
| Team ID | PNT2022TMID08727 |
| Project Name | IoT Based Smart Crop Production System 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 | User understanding | For better understanding of the farmer , the signs should be clear and legible and it can also include illustrations which will make it easily understandable to the farmer |
| FR-4 | User conveience | The display should be big enough that it should even be visible from far distance clearly |
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**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** | It should have good security system so that no other person is able to hack and display there own directions |
| NFR-2 | **Security** | It should be able to display information correctly and error - free |
| NFR-3 | **Reliability** | It should be able to automatically update itself when certain weather problem occurs |
| NFR-4 | **Performance** | It should be available 24/7 so that it can be beneficial to the customers |
| NFR-5 | **Availability** | It should be able to easily change and upgrade according to change and need in requirement |
| NFR-6 | **Scalability** | It should be able to upgrade and update when there is a need for it. |