**Project Design Phase-II**

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

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| --- | --- |
| Date | 03 October 2022 |
| Team ID | PNT2022TMID30091 |
| Project Name | Project – IoT based crop prodection agriculture system |
| 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 dashboard | Enter the user details  Change the password |
| FR-4 | User Select The category | Select Display Option click IBM ,Doctor constultant,Logut,Messanger |
|  |  |  |
|  |  |  |

**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** | * This **system** will make the **farm** more productive using **IoT** .This research also carried out a **System** **Usability.** * The session was designed to assess the User Interface **usability.** |
| NFR-2 | **Security** | * Smart agriculture can improve agricultural processes in a more productive, efficient, and sustainable way. |
| NFR-3 | **Reliability** | * Most IoT devices are expected to be deployed outdoors (in fields and farms). Harsh work environments lead to the rapid degradation of IoT devices’ quality and can lead to unexpected manufacturer failures. |
| NFR-4 | **Performance** | * **system** **based** on machine learning **performances** * **Network performance Evaluation** * **Design performance evaluation** |
| NFR-5 | **Availability** | * **agriculture** **based** on the … are **available** to estimate indoor climate, **crop production**, and irrigation values |
| NFR-6 | **Scalability** | * Scalabilty of an internet of things platform for smart water management for agriculture |