# PROJECT DESIGN PHASE-II SOLUTION REQUIREMENTS

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| Date | 03 October 2022 |
| Team ID | PN2022TMD41919 |
| Project name | Smart Farmer-IoT enabled Smart Farming  Application |
| 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 | IoT Devices | Sensors and Wifi module. |
| FR-2 | Software | Web UI, Node-red, IBM Watson, MIT app |
| FR-3 | User registeritation | Register from registeration through Gmail |
| FR-4 | User conformation | * Conformation via mail * Conformation via OTP |
| FR-5 | System login | * Check authorization * Check accsess |

# NON-FUNCTIONAL REQUIREMENTS

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

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| **FR No.** | **Non-Functional Requirements** | **Description** |
| NFR-1 | **Usability** | Usability specify the quality attributes of system.  Time consume ability is less, Productivity is high. |
| NFR-2 | **Security** | It has low level of security features due to integration  of sensor data. |
| NFR-3 | **Reliability** | Accuracy of data and hence it is Reliable. |
| NFR-4 | **Performance** | Performance is high and highly productive. |
| NFR-5 | **Availability** | With permitted network connectivity the application is accessible. |
| NFR-6 | **Scalability** | It is perfectly scalable many new constraints can be added. |