**Project Design Phase-II**

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

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| Date | 15October 2022 |
| Team ID | PNT2022TMID37457 |
| Project Name | Project –Smart farmer-IoT enabled Smart farming application. |
| 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 | IoT devices | Sensors and Wifi module. |
| FR-2 | Software | Web UI, Node-red, IBM Watson, MIT app |
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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** | Time consumability 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 |