Project Design Phase – 2

Solution Requirements (Functional & Non-functional)

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| Date | 17 October 2022 |
| Team ID | PNT2022TMID49320 |
| Project Name | SmartFarmer-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 Requirements (Epic)** | **Sub Requirements (Story / Sub-Task)** |
| FR-1 | User Registration | Register to mail ID in application.  User basic details register to application. |
| FR-2 | User Configuration | Confirmation via EMAIL and to get the OTP in application .  User to register in confirmation OTP for application  and ready to access. |
| FR-3 | The product essentially converts  smart farmer -Io T enabled smart farming application | To measure a temperature of the land and humidity.  Then planting, watering ,fertilizing to waiting for the plant growth. |
| FR-4 | Harvesting the plant | Get the plant detail in our mobile for every day.  To check the notification in oru mobile. |

# Non-functional Requirements:

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

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| **FR No.** | **Non-Functional Requirements** | **Description** |

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| NFR-1 | Usability | Indicates how effectively and easy users can learn and use a system. |
| NFR-2 | Security | Assures all data inside the system or its part will be  protected against malware attacks unauthorized access. |
| NFR-3 | Reliability | Specifies the probability of the software performing without failure for a specific number of uses or  amount of time. |
| NFR-4 | Performance | Deals with the measure of the system's response time under different load conditions. |
| NFR-5 | Availability | Describes hoe likely the system is accessible for a user  at a given point in time. |
| NFR-6 | Scalability | Assesses the highest work loads under which the system will still meet the performance requirements. |