**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID30005 |
| Project Name | Estimation of crops yield using DMT |
| 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 | DATASET | **collecting agricultural dataset which can be used to analyzed for useful crop yield forecasting** |
| FR-2 | PREDICTION TECHNIQUES | **data mining technique.** |
| FR-3 | TRACKS | Report is made in the midst of the planning phase of the endevaour |
| FR-4 | HARDWARE REQUIREMENTS | Processor ,memory,storage and graphics |
| FR-5 | SOFTWARE REQUIREMENTS | Operating system(OS) ,programming language ,framework |
|  |  |  |

**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** | The ability of a user to derive useful information from data |
| NFR-2 | **Security** | Effectively used to detect intrusions and analyze audit results to spot abnormal patterns |
| NFR-3 | **Reliability** | It consistently a method measures something |
| NFR-4 | **Performance** | Better |
| NFR-5 | **Availability** | ALWAYS |
| NFR-6 | **Scalability** | Scalable data mining is a virtual research environment designed to apply data mining techniques to biological data . The algorithms are executed in a distributed fashion on the e-infrastructure nodes or on local multicore machines |