Project Design Phase-II

Solution Requirements

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| Date | 08 October 2022 |
| Team ID | PNT2022TMID33826 |
| Project Name | Smart Waste Management System |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| FR.NO | FUNCTIONAL REQUIREMENTS | SUB REQUIREMENTS |
| 1 | User Registration | Registration through Form Registration through Gmail Registration through LinkedIn |
| 2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| 3 | Authentication | The system sends an approval request after the user enters personal information. |
| 4 | User Interface | It should be the connector between the various systems or between other part or unit of the system. |
| 5 | Software interface | This includes embedded application that will used in supporting the various functions of the system Eg: GPS, Web Server and Database |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| NFR.NO | NON FUNCTIONAL REQUIREMENTS | EXPLANATION |
| 1 | Usability | Ease with which the user is able to learn, operate and prepare inputs and interpret outputs through interaction with the system. |
| 2 | Security | Extend to which the system is safeguarded against deliberate and intrusive faults from internal and external sources. |
| 3 | Reliability | Extend to which the software systems consistently perform the specified functions without any failures. |
| 4 | Performance | System performance of handling capacity, throughput and response time. |
| 5 | Availability | Degree to which the users can depend on the system to be up during normal operating times. |
| 5 | Scalability | Degree to which the system is able to expand its processing capabilities upward and outward with business growth. |