**Project Design Phase-II**

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

| Date | 24 May 2023 |
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| Team ID | NM2023TMID07188 |
| Project Name | Journey to Sustainability: Decoding the CO2 Impact of Travel |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | dashboard | Create a profile |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | By prioritizing usability and user experience, the journey to decoding the CO2 impact of travel becomes more accessible, engaging, and effective in driving sustainable travel behaviors. |
| NFR-2 | **Security** | By implementing strong security measures and prioritizing data protection, individuals and organizations can have confidence in the security of their information as they engage in the journey to decode the CO2 impact of travel. |
| NFR-3 | **Reliability** | Ensuring the reliability of information regarding the CO2 impact of travel is crucial. Information related to the CO2 impact of travel can be made more reliable, empowering individuals and organizations to make informed decisions and take sustainable actions. |
| NFR-4 | **Performance** | prioritizing performance, users can have a seamless and efficient experience when decoding the CO2 impact of travel. This enables them to access information quickly, make informed decisions, and take sustainable actions towards reducing their carbon footprint. |
| NFR-5 | **Availability** | Robust Infrastructure, Load Balancing. By implementing these measures, individuals and organizations can ensure the availability of information related to the CO2 impact of travel. This empowers users to access the information whenever they need it, fostering informed decision-making and promoting sustainable travel choices. |
| NFR-6 | **Scalability** | Scalability is a critical aspect when it comes to decoding the CO2 impact of travel, especially as user demand and data volume increase. the decoding of the CO2 impact of travel can handle increased user demand, process larger volumes of data, and provide a seamless experience to users as they access and interact with the information. |