

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	12 May 2023
Team ID	NMIoT05EN
Project Name	IOT based Street Quality Identification.

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 Confirmation via OTP

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The system should be easy to use, with an intuitive interface that allows users to quickly understand and interpret the results.
NFR-2	Security	The system should be designed with security in mind, with appropriate measures in place to protect against unauthorized access or data breaches.
NFR-3	Reliability	The street quality should be reliable and consistent over time, with minimal variation in the quality of different sections of the street.

NFR-4	Performance	The street quality should meet the performance requirements in terms of smoothness, evenness, and consistency of the pavement surface, including the absence of potholes, cracks, or other defects that could cause damage to vehicles or pose a safety risk to pedestrians.
NFR-5	Availability	Similar products are available in the market
NFR-6	Scalability	The system should be able to handle large volumes of data, as well as be capable of handling multiple simultaneous users or requests.