**Project Design Phase-II**

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

|  |  |
| --- | --- |
|  |  |
| Team ID | NM2025TMID07828 |
| Project Name | Optimizing User, Group, and Role  Management with Access Control and Workflows |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

# Functional Requirements

**FR No. Functional Requirement (Epic) Sub Requirement (Story / Sub-Task)**

|  |  |  |
| --- | --- | --- |
| FR-1 | User & Role Registration | Registration via Form  Registration via Gmail  Role Assignment on Signup |
| FR-2 | Access Control | Access based on Role Permissions  Restricted Feature Visibility |
| FR-3 | Task Management | Task Creation  Task Assignment by Role  Status Updates (In Progress, Done) |

Status Change Alerts

FR-4 Notifications & Communication Role Change Notifications

Task Feedback Loops

# Non-Functional Requirements

**NFR Non-Functional**

**Description No. Requirement**

Simple and intuitive interface for users to navigate roles and

NFR-1 Usability tasks

Role-based access control, data encryption, and secure

NFR-2 Security authentication

System should function correctly and consistently under

NFR-3 Reliability

defined conditions

**NFR Non-Functional**

**Description No. Requirement**

Fast response time for task updates, access checks, and

NFR-4 Performance notifications

NFR-5 Availability 99.9% uptime to ensure uninterrupted project collaboration

Ability to scale up for additional users, roles, and task

NFR-6 Scalability complexity