# Project Design Phase-II

## Solution Requirements (Functional & Non-functional)

| Date | 2 NOVEMBER 2025 |
|---|---|
| Team ID | NM2025TMID01472 |
| Project Name | Education Organization |
| Mazimum marks | 4 Marks |

## Functional Requirements:

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|---|
| FR-1 | Student Registration | Registration through form<br>Verification through email<br>Profile creation with student ID |
| FR-2 | Faculty Registration | Faculty details submission<br>Verification by admin<br>Access role assignment |
| FR-3 | Course Management | Add / Edit / Delete courses<br>Assign faculty to courses<br>Enroll students to courses |
| FR-4 | Attendance Management | Faculty marks attendance<br>Students can view attendance report |
| FR-5 | Exam & Result Management | Create exam schedule<br>Upload marks<br>Generate report cards |
| FR-6 | Notification System | Notify students about events, results, and attendance shortages |
| FR-7 | User Roles & Access Control | Admin, Faculty, and Student dashboards with different access levels |

## Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | Usability | The interface should be simple and intuitive for students, faculty, and admin users. |
| NFR-2 | Security | Only authorized users should access specific modules. Sensitive data must be encrypted. |

| NFR-3 | Reliability | System should consistently store and retrieve data without loss or duplication. |
|---|---|---|
| NFR-4 | Performance | The system should load dashboards and reports quickly without noticeable delay. |
| NFR-5 | Availability | The system should be available 24/7 to handle academic operations and user logins. |
| NFR-6 | Scability | The system should support growing numbers of users, courses, and data over time. |