

University management

Functional Requirements:

1. Authentication:

a. Student

- i. Student can login and Logout securely
- ii. Students can update their Password.

b. Faculty

- i. Faculty can login and logout Securely.
- ii. Faculty can update their Password.

c. Admin

- i. Admin can login and logout Securely.
- ii. Admin can update their Password.

2. Profile Management:

a. Student

- i. Students Can manage and update their Profile.
- ii. Students can update certain fields

b. Faculty

- i. Faculty Can manage and update their Profile.
- ii. Faculty can update certain fields

c. Admin

- i. Admin Can manage and update their Profile.
- ii. Admin Can update certain fields.

3. Academic Process:

a. Student

- i. Students can enroll in offered courses for specific semesters.
- ii. Students can view their class schedule
- iii. Students can see their grades.
- iv. Students can view notice board and events

b. Faculty

- i. Faculty can manage student grades

- ii. Faculty can access student's Personal and academic information

c. Admin

- i. Admin can manage multiple process
 - 1. Semester
 - 2. Course
 - 3. Offered Course
 - 4. Room
 - 5. Buldding

4. User Management:

a. Admin

- i. Admin can manage multiple accounts
- ii. Admin can block/unblock user
- iii. Admin can change user Password

Data Model

Student:

- ❖ _id
- ❖ id (generated)
- ❖ Password
- ❖ needsPasswordChange
- ❖ name
- ❖ role
- ❖ Gender
- ❖ Date of Birth
- ❖ Email
- ❖ Contact No
- ❖ Emergency Contact No
- ❖ Present Address
- ❖ Permanent Address
- ❖ Guardian
- ❖ Local Guardian
- ❖ Profile Image
- ❖ Academic Department
- ❖ Is Deleted
- ❖ Created At

❖ Updated At

Faculty:

- ❖ _id
- ❖ id (generated)
- ❖ Password
- ❖ needsPasswordChange
- ❖ role
- ❖ Designation
- ❖ name
- ❖ Gender
- ❖ Date of Birth
- ❖ Email
- ❖ Contact No
- ❖ Emergency Contact No
- ❖ Present Address
- ❖ Permanent Address
- ❖ Local
- ❖ Profile Image
- ❖ Academic Faculty
- ❖ Academic Department
- ❖ Is Deleted
- ❖ Created At
- ❖ Updated At

Admin:

- ❖ _id
- ❖ id (generated)
- ❖ Password
- ❖ needsPasswordChange
- ❖ Role
- ❖ Designation
- ❖ name
- ❖ Gender
- ❖ Date of Birth
- ❖ Email
- ❖ Contact No

- ❖ Emergency Contact No
- ❖ Present Address
- ❖ Permanent Address
- ❖ Local
- ❖ Profile Image
- ❖ Management Department
- ❖ Is Deleted
- ❖ Created At
- ❖ Updated At