

AIUB One: Project Definition

AIUB One is a complex mobile development aimed at helping simplify and modernize the work with university services for its students. The new approach given by the technological solution is that access to the university portal does not become the same any more but much efficient and customizable using QR codes.

Key Features:

- **Quick Access Portal:** Keeps an offline copy of the online version which will reduce the hassle of logging into the portal every time. Eventually, it will reduce pressure on the main server.
- **Dynamic Club Management:** Easy club registration, up-to-date information on what is happening on the club and membership e-status.
- **On-the-Go Registration System:** Allows the students to scan some location-specific QR codes to complete registrations in events, courses and activities.
- **Reminder System:** Gives a reminder before important dates like quizzes, term exams, registration or events.
- **Co-curricular Booking:** Modernizing the application system to book slot for playground (Football ground, basketball ground, badminton or volleyball ground) from offline to online. It will make the system more efficient and way managed.
- **Semester Planning:** Often students face problem to plan their courses for next semester. This key feature will sort this problem by suggesting which course they can take next semester based on their current running courses and previously done courses.
- **User-friendly UI:** Class routine, course teacher and other information related to their current course will be shown in a modern and organized way, which will help the students to get exact information they are looking for.
- **Connect with OSA:** Students can write their complain or suggestions for improvement or their issues related to university through the app. It will strong the communication between OSA and students of the university.

It is expected that the application will simplify the administrative burden, increase student interaction and optimize their experience during university years by the use of modern technologies.

AIUB One: Users Definition

User: Admin

They can create/delete/modify student or faculty or staff profiles easily. They can do anything that an user (student, faculty, staff) can do depending on their admin role.

- **Faculty Admin:** They can create faculty profile. They can create/modify/delete sections and assign faculties to those sections.
- **Student Admin:** They can create/modify/delete student profiles. If any students faces issue regarding course, student admin will help them out.
- **Co-curricular Admin:** They review slot requests that requested by student.

User: Faculty

They can review their students in their assigned section, approve students' drop application and also they can push results or notifications to their students.

User: Student

They can access their class routine, join clubs with an easy QR code scan, and communicate with OSA officials/student co-ordinator. They can book slots for co-curricular activities like football, basketball, volleyball, badminton etc. They will get a reminder regarding important dates like quizzes or term exams.

- **Club Representative:** They can push notifications to their club members regarding important updates.
- **Class Representative:** Quizzes or any important class updates/notifications are being pushed by the class representative. The class representative will be selected by a voting system.

AIUB One: Use Case Diagram

