PH University

# Functional Requirements:

## Authentication

### Student

* + 1. Students can log in and logout securely
    2. Student can update their password

### Faculty

* + 1. Faculty can log in and logout securely
    2. Faculty can update their password

### Admin

* + 1. Admin can log in and logout securely
    2. Admin can update their password

## Profile Management

### Student

* + 1. Student can manage and update their profiles
    2. Students can update certain fields

### Faculty

* + 1. Faculty can manage and update their profiles
    2. Faculty can update certain fields

### Admin

* + 1. Admin can manage and update their profiles
    2. Admin can update certain fields

## Academic Process:

* 1. Student:
     1. Students can enroll in offered courses for a specific semester.
     2. Students can view their class schedule
     3. Student can see their grades.
     4. Students can view notice board and events

### Faculty

* + 1. Faculty can manage student grades
    2. Faculty can access students' personal and academic information

### Admin

* + 1. Admin can manage multiple processes:
       1. Semester
       2. Course
       3. Offered Course
       4. Section
       5. Room
       6. Building

## User Management

### Admin:

* + 1. Admin can manage multiple accounts
    2. Admin can block/ unblock user
    3. Admin can change user password

Data Model

## User:

* + \_id
  + id (generated)
  + role
  + password
  + needsPasswordChange
  + status
  + isDeleted
  + createdAt
  + updatedAt

## Student:

* + \_id
  + id(generated)
  + user
  + name
  + gender
  + dateOfBirth
  + email
  + contactNo
  + emergencyContactNo
  + presentAddress
  + permanentAddress
  + guardian
  + localGuardian
  + profileImage
  + admissionSemester
  + academicDepartment
  + isDeleted
  + createdAt
  + updatedAt

## Faculty

* + \_id
  + id(generated)
  + name
  + gender
  + dateOfBirth
  + email
  + contactNo
  + emergencyContactNo
  + presentAddress
  + permanentAddress
  + profileImage
  + academicFaculty
  + academicDepartment
  + isDeleted
  + createAt
  + updatedAt

## Admin

* + \_id
  + id(generated)
  + name
  + gender
  + dateOfBirth
  + email
  + contactNo
  + emergencyContactNo
  + presentAddress
  + permanentAddress
  + profileImage
  + managementDepartment
  + admissionSemester
  + isDeleted
  + academicDepartment
  + createAt
  + updatedAt

## Academic Semester:

* name
* year
* code
* startMonth
* endMonth
* createdAt
* updatedAt

## Academic Faculty

* \_id
* name
* createdAt
* updatedAt

## Academic Department

* \_id
* name
* academicFaculty
* createAt
* updatedAt

API End Points

## User:

* users/create-student (POST)
* users/create-faculty (POST)
* users/create-admin (POST)

## Student:

* students(GET)
* students/:id (GET)
* students/:id (PATCH)
* students/ :id (DELETE)
* students/my-profile

## Faculty:

* faculties (GET)
* faculties /:id (GET)
* faculties /:id (PATCH)
* faculties / :id (DELETE)
* faculties /my-profile

## Admin

* admins(GET)
* admins/:id (GET)
* admins/:id (PATCH)
* admins/ :id (DELETE)
* admins/my-profile

## Auth

* auth/login
* auth/refresh-token
* auth/change-password
* auth/forgot-password
* auth/reset-password