

Module Name- AC2 (Course Registration)
Student Mentor - Pranav Bharadwaj (21BCS160)

API - DOCUMENTATION OF AC-2 COURSE REGISTRATION

Overview of the module:- Academic Course Registration (AC-2) is a software designed to manage different activities related to the Course Registrations of PDPM IITDM Jabalpur. The module seeks to provide automated features and a smooth interface to the Academic staff, students and faculties to handle different Course registration and corresponding related activities such as :

Admission, Courses Registration , add-drop ,replace , apply for backlog , manage schedule, course-list generation, roll list generation and more.

Please mention all the API used in the module below

1. **POST /api/stu/updateCourses-** Yet to be implemented
Description - Students will be able to add ,drop or replace courses with this api request.
2. **POST /api/stu/registration** - Yet to be implemented
Description - Students will be able to do their pre and final registration with this api request.
3. **POST /api/stu/backlog** - Yet to be implemented
Description - Students will be able to fill the backlog form with this api request.
4. **GET /api/stu/registration** - Yet to be implemented
Description - Students will be able to view their registration with this api request.
5. **GET /api/stu/offeredCourses** - Yet to be implemented
Description - Students will be able to see the offered courses in the upcoming semester with this api request.
6. **POST /api/acad/schedule** - Yet to be implemented
Description - Academic person will be able to manage the schedule of different events such as pre/final registration with this api request.
7. **GET /api/acad/roll-list/{course_id}** - Yet to be implemented

Description - Academic person will be able to generate the roll list of any specific course with this api request.

8. **GET /api/acad/registration** - Yet to be implemented

Description - Academic person will be able to view the status of registration with this api request.

9. **POST /api/acad/registration/pre** - Yet to be implemented

Description - Academic person will be able to configure the pre registration process with this api request.

10. **POST /api/acad/registration/main** - Yet to be implemented

Description - Academic person will be able to configure the final registration process with this api request.

11. **GET /api/acad/courselist** - Yet to be implemented

Description - Academic person will be able to fetch the list of courses which are offered by different faculty with this api request.

12. **GET /api/fac/courses** - Yet to be implemented

Description - Faculty will be able to see the courses assigned to him with this api request.

13. **GET /api/fac/roll-list/{course_id}** - Yet to be implemented

Description - Faculty will be able to generate the roll list of any specific course with this api request.

14. **GET /api/fac** - Implemented

15. **GET /api/stu** - Implemented

16. **POST /api/addThesis** - Implemented

17. **PUT /api/api/approve_thesis** - Implemented

APIs:-

 SRS AC2 WEB TEAM

Actor: Student

APIs:-

- **Already Implemented** (This means that API is already implemented and working as expected.)
 - **Nothing**

- **Yet to be Implemented**

- **view_offered_courses: UC#8**

- Index of api's used - 5
 - This use case helps students to see all the courses offered to them in the upcoming semester.
 - Databases - [Courses , auth_user]

- **add course: UC#1**

- Index of api's used - 1
 - The use case describes how to add courses to the course list of a UG student.
 - Databases -[Courses , auth_user,academic_procedures_minimumcredits]

- **Drop course: UC#2**

- Index of api's used - 1
 - The use case describes how to drop courses to the course list of a UG student.
 - Databases -[Courses , auth_user,academic_procedures_minimumcredits]

- **Replace course: UC#3**

- Index of api's used - 1
 - The use case describes how to replace a course from the course list with a swayam course of the same credit.
 - Databases -[Courses , auth_user,academic_procedures_minimumcredits]

- **fill_backlog _form: UC#6**

- Index of api's used - 3
 - This use case helps the student to fill the form for covering their backlog courses.
 - Databases - [Courses , auth_user]

- **Pre_registration: UC#5**

- Index of api's used - 2
 - The use case handles the student registration system.
 - Databases - [InitialRegistration , auth_user , courses]

- **Final_register: UC#4**

- Index of api's used - 2
 - The use case handles the students final registration system.
 - Databases - [FinalRegistration , auth_user]

- **view_registration: UC#7**

- Index of api's used - 4
- This use case describes how the Students can check their profile and courses after registration.
- Databases - [Register , auth_user]

Actor: Acad Admin

APIs:-

- **Already Implemented** (This means that API is already implemented and working as expected.)
 - **Nothing**
- **Yet to be Implemented**
 - **manage_schedule: UC#9**
 - Index of api's used - 6
 - This use case describes how the Academic Person updates and adds the schedule of courses and time table
 - Databases - [course,curriculum,Exam_Timetable,Timetable]
 - **view_registration:UC#10**
 - Index of api's used - 8
 - This use case describes how the Academic Person checks the final registration of students for the semester
 - Databases - [Courses,auth_user,FinalRegistration]
 - **list_courses:UC#14**
 - Index of api's used - 11
 - This use case allows an Academic Admin to generate a roll list for a specific course, containing student information such as names, ID numbers, and contact details.
 - Databases - [Courses , auth_user ,curriculum,FinalRegistration,academic_information_student]
 - **generate_roll_list:UC#11**
 - Index of api's used - 7

- This use case allows an Academic Admin to generate a roll list for a specific course, containing student information such as names, ID numbers, and contact details.
 - Databases - [Courses , auth_user ,curriculum,FinalRegistration,faculty]
- **configure_pre_reg:UC#12**
 - Index of api's used - 9
 - This use case allows an Academic Admin to configure the settings for the pre-registration period, including dates, eligibility criteria, and student permissions.
 - Databases - [InitialRegistration , auth_user , courses,faculty,timetable,curriculum]
- **configure_main_reg:UC#13**
 - Index of api's used - 10
 - This use case allows an Academic Admin to configure the settings for the main-registration period, including dates, eligibility criteria,and student permissions.
 - Databases - [InitialRegistration , auth_user , courses,faculty,timetable,curriculum]

Actor: Faculty

APIs:-

- **Already Implemented** (This means that API is already implemented and working as expected.)
- **Yet to be Implemented**
 - **generate_roll_list: UC#16**
 - Index of api's used - 13
 - This use case allows an Faculty to generate a roll list for a specific course, containing student information such as names, ID numbers, and contact details
 - Databases - [Courses , auth_user,faculty]
 - **View_assigned_course: UC#15**
 - Index of api's used - 12

- This use case allows a Faculty to view a list of courses that he is going to teach in the upcoming semester.
- Databases - [Courses , auth_user,curriculum]

Current problems you are facing with the module or in its use cases —

- Four APIs that have been already implemented , only two are related to our module and its use cases API index 16 and 17 are not part of this module.
- When calling the api 14 , 15 getting the error message even though cookie and required token is being provided :

ERROR MESSAGE :

```
{  
  "detail": "Authentication credentials were not provided."  
}
```

LINK : [API AC2-Course Registration Web](#)