Atlassian IIT Madras Saashtra Hackathon

Team Name : AdHoc

Team Leader : A V S ADITYAVARDHAN

No. of Team Members: 1

Problem Statement : Course Registration

We are proposing a Web Application backed up using Bootstrap 4, Django. This application will be capable of handling course registrations for the students. We have 3 actors Student, Administrator and Faculty. Every account in the portal with be 2 factor enabled and OTP based confirmation after finalizing the course slots. Password and profiles can be updated. Profile Image support is available.

Role of Admin:

1. Add courses, Control Access of Courses to a registered student/ student groups.
2. create student groups, Course groups, faculty groups.
3. Create individual accounts for students and faculty and can group them.
4. Single click course group – student group enrollment, email alert to student, support chatbox for the student query.
5. Restrict activity of the students, faculty.
6. Create courses, time slots and add a faculty to that course. Multiple faculty can deal with a single course on different times. (session based)

Role of Faculty:

1. Can add Sessions to his course.
2. Can Enroll students into his course(accept/reject).
3. Increase the limit of students of each course.
4. Limit the no. of seats available for his session.
5. Create course, sessions
6. Make course announcements

Role of Students;

1. Register to course and time slot
2. Check the availability of faculty,course availability
3. Interact with admin In the chat panel if he requires any assistance.
4. Deregister for a course

Some Important features:

1. Email based notification to the students once his course registration is approved
2. Student can choose multiple time slots of the course. Eg: Course ABC, is available from 9am – 12am in 3 sessions from Monday to Thursday. A student must choose only 4 slots out of the days. He can choose Monday 10Am, Tuesday 10Am, Wednesday 11AM, Thursday 9AM. **Assuming each session same topic discussed.** With this every student gets his/her own timetable.
3. Unregister for the course if student doesn't wish to take up in this semester.
4. Faculty are provisioned to share course related information in the announcement tabs provided.
5. Premium faculty (high knowledgeable and research oriented mindset faculty) can accept student registration based on his interest on his course specified during the registration time. * will be provided / instructor name will be highlighted that indicates a separate form will be shown along with normal registration form.

Extension (Future scope):

RestAPI's to flutter to make a mobile application.

Atlassian Software used:

JIRA – boards to track the application

BitBucket – to store the code.