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**COMSATS University Islamabad**

**Abbottabad, Pakistan**

**Assignment**

Fully dressed use cases

**Submitted By**

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**Registration**

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Submitted to

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**Attendance through face detection**

**Use Case UC 1**

Register Students

Level:

Student goal

Scope:

Attendance through face detection.

Primary Actors:

Student, Admin

Stakeholders:

Student: wants to be enrolled in his/her desired course.

Teacher:

Wants the list of students he/she will teach.

Parent:

Wants detail of his/her child study progress starting with registration.

Admin:

Wants to know how many students enrolled in which course.

Preconditions:

Student should be eligible to enroll the course.

Post condition:

Student is enrolled in course.

Main success scenario:

1. Student submits the registration form.
2. The form is checked against some predefined standards.
3. Student is registered in his/her desired course.
4. Relevant student data is sent to teacher.

Extensions:

Student did not pass all pre requisites of subject to study.

Alternative flow:

1. Student first pass the pre-requisites and then register the course.
2. Teacher is arranged for the course or the student register the course with repeaters.
3. Student waits for if anyone withdrawal the course or the student enroll the course with other sections.

Special requirements:

1. Course is offered.
2. Concerned teacher is available.
3. Student is eligible for course.
4. Student cleared his/her fee.
5. There are at least 10 student requested to register a course.

Technologies:

Computer, internet connection.

Frequency of occurrence:

Can occur frequently for one week in start of session.

Open issues:

Did not pass pre-requisites for a subject.

**Use case UC 2**

Name:

View student.

Scope:

Attendance through face detection.

Level:

Admin goal, teacher goal

Primary actor:

Admin, teacher.

Stakeholder and interests:

Admin:

Wants to view student’s overall records.

Teacher:

Wants to view student’s relevant records.

Preconditions:

Student is enrolled in at least one course.

Post conditions:

Student’s record is shown to admin or teacher.

Main success scenario:

1. Teacher/ admin wants to view student’s records.
2. Teacher/admin log in to the system and view the student’s records.
3. Student’s records are shown to the teacher/admin.

Extensions and Alternative flow:

Teacher

Special requirements:

1. Student is registered in course with concerned teacher.

Technology:

Computer, internet

Frequency of occurrence:

Can occur in a week.

Miscellaneous:

Student is not registered with concerned teacher.

**Use case UC 3**

Name:

Update student.

Level:

Admin goal, student goal

Scope:

Attendance through face detection.

Primary actors:

Student, Admin

Stakeholders and interests:

Student:

wants to update his/her status one to another subject i.e. promotion.

Admin:

Wants to update the students so that the admin should know how much students passed/failed a particular course and how much new students enrolled in which courses.

Teacher:

Wants the updated list of students against his/her course.

Preconditions:

1. Student passed the course and want to register the next course.
2. Student’s fee is clear.

Post condition:

Student record is updated.

Main success scenario:

1. Student requests for pupation of his/her status.
2. Admin process his/her request against some standard criteria.
3. Student record is updated.

Extension and alternative flow:

1. Student passed a subject but wants to take a pause.

* Admin will place the student in freeze status.

1. Student is graduated so the student record will be placed in graduated students and deleted from enrolled student list.

Special requirements:

Student should pass/fail a course and want to leave or be promoted.

Technology:

Computer, internet.

Frequency of occurrence:

Can be repeated several times after every exam.

Miscellaneous:

**Use Case UC 4**

Name:

Delete student

Level:

Admin goal.

Scope:

Attendance through face detection.

Primary actor:

Admin

Stakeholders and interests:

Admin:

Wants to remove students passed or failed a course.

Teacher:

Wants to have a new list of students and remove the older ones.

Student:

Wants to be removed from the courses he/she passed.

Preconditions:

Student passed the course or failed and do not want to continue with the course.

Post conditions:

Students is removed from the course.

Main success scenario:

1. Student passed or failed the course and do not want to repeat it.
2. Admin remove the student from the student course list.

Special requirements:

Student do not want to continue with the course.

Technology:

Computer, internet

Frequency of use:

Can occur multiple times after examinations.

Open issues:

Electricity shortfall, internet connection not available etc.