**4) Use Cases**

**a) Student Use Case-1**

**Scope:** Course Registration System

**Level:** User Goal

**Primary Actor:** Student

**Description:** This use case describes the process by which a student registers for a Mandatory/Non-Technical Elective courses using the Course Registration System.

**StakeHolders and Interests:**

**-Student:** requires proper, fast course operations as it affects his/her student career.

-**Advisor:** Accepts or rejects students’ chosen courses in a way that is most productive for students.

**Preconditions:**

-Students’ and Advisors’ information is identified and authenticated.

**Success Guarantee**:

- The courses that are chosen by students are accepted. The students are added to course. The transcripts are updated.

**Main Success Senario:**

1.Student logs in the system with username and password.

Repeat 1 until username and password are correct.

2.System checks the prerequisite of courses if there is any.

3.System checks the probation condition for student.

4.Student lists the Mandatory/Non-Technical Elective courses that can be chosen.

5.Student selects a course

6.Student adds the selected course.

a) Student selects the lab section if course has any.

b) Repeat 5 until the course adding process are done.

7.Student saves the draft.

8.Student sends draft to Advisor

9.The courses that are chosen and sent to the Advisor are accepted.

10.Student logs out of the system.

**Alternative Senarios:**

1.Student can exit from the system.

2.Student can return to main menu.

3.Student can view the his/her own transcript.

4.Student can list the Mandatory/Non-Technical Elective courses that were chosen by his/herself.

5.Student can list the status of request.

6.Student can not take new semester courses and must take failed or DD courses if probation condition is accurate.

**4) Use Cases**

**a) Student Use Case-2**

**Scope:** Course Registration System

**Level:** User Goal

**Primary Actor:** Student

**Description:** This use case describes the process by which a student registers for a Technical Elective-Faculty-Technical Elective courses using the Course Registration System.

**StakeHolders and Interests:**

**-Student:** requires proper, fast course operations as it affects his/her student career.

-**Advisor:** Accepts or rejects students’ chosen courses in a way that is most productive for students.

**Preconditions:**

-Students’ and Advisors’ information is identified and authenticated.

**Success Guarantee**:

- The courses that are chosen by students are accepted. The students are added to course. The transcripts are updated.

**Main Success Senario:**

1.Student logs in the system with username and password.

Repeat 1 until username and password are correct.

2.System checks the 155 credit prerequisite for courses.

3.Student lists the Technical Elective-Faculty-Technical Elective courses that can be chosen.

4.Student selects a course.

5.Student adds the selected course.

Repeat 4 until the course adding process are done.

6.Student saves the draft.

7.Student sends draft to Advisor

8.The courses that are chosen and sent to the Advisor are accepted.

9.Student logs out of the system.

**Alternative Senarios:**

1.Student can exit from the system.

2.Student can return to main menu.

3.Student can view the his/her own transcript.

4.Student can list the Technical Elective-Faculty-Technical Elective courses that were chosen by his/herself.

5.Student can list the status of request.

6.Student can not take TE-FTE courses if complete credit is less than 155.

**4) Use Cases**

**a) Student Use Case-3**

**Scope:** Course Registration System

**Level:** User Goal

**Primary Actor:** Student

**Description:** This use case describes the process by which a student drops courses using the Course Registration System.

**StakeHolders and Interests:**

**-Student:** requires proper, fast course operations as it affects his/her student career.

-**Advisor:** Accepts or rejects students’ chosen courses in a way that is most productive for students.

**Preconditions:**

-Students’ and Advisors’ information is identified and authenticated.

**Success Guarantee**:

- The courses that are chosen by students are dropped. The transcripts are updated.

**Main Success Senario:**

1.Student logs in the system with username and password.

Repeat 1 until username and password are correct.

2.Student opens the drop course menu and lists droppable courses.

3.System takes the transcript database and look for the student’s ongoing courses.

4.Student selects a course.

5.Student drops the selected course and add to the draft for deleting.

Repeat 4 until the course dropping process are done.

6.Student saves the draft.

7.Student sends draft to Advisor.

8.The courses that are chosen to drop and sent to the Advisor are accepted.

9.System delete the courses from transcript and send them to the available courses.

9.Student logs out of the system.

**Alternative Senarios:**

1.Student can exit from the system.

2.Student can return to main menu.

3.Student can view the his/her own transcript.

4.Student can list the droppable courses that were chosen by his/herself.

5.Student can list the status of request.

6.Student can take the dropped courses again.

7.Student can delete courses from draft.

a-Student choose the deletable courses in draft.

b-Repeat a until deleting from draft process are done.

c-Return to the adding operation.

**b) Advisor Use Case**

**Scope:** Course Registration System

**Level**: User goal

**Primary Actor:** Advisor

Description:This use case describes the process by which a advisor operations for courses that are chosen by student in course registration system.

**StakeHolders and Interests:**

**-Student:** requires proper, fast course operations as it affects his/her student career.

-**Advisor:** Accepts or rejects students’ chosen courses in a way that is most productive for students.

**Preconditions**:

-Students’ and Advisors’ information is identified and authenticated

**Success Guarantee**:

-The courses that are chosen by the student are accepted.

**Main Success Senario:**

1.Advisor logs in to the system by entering the username and password.

Repeat 1 until the username and password are correct.

2.System checks the OverLap.

3.Advisor checks the requests.

4.Advisor accepts the course that are chosen by student.

Repeat 3 until the there are no request left to process.

5.Advisor logs out of the system.

**Alternative Senarios:**

1.If the advisor identifies issues with the selected course, advisor rejects the request.

2.If the advisor wants to check the requests of student that is chosen by advisor, he/she can do this operation.

3.If system detects any Overlap issue,it prints for the advisor and advisor rejects the request.

4.Advisor accepts the courses that student wants to drop.

5.Advisor can exit from the system.

6.Advisor can return to main menu