



Department of Computer Science and Engineering

Jashore University of Science and Technology

Course Title: **Software Engineering**

Course Code: **CSE2207**

Assignment on **Use case diagram, activity diagram, swim lane diagram**

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Problem domain on: Student course registration and management

Primary actor: Student of that institute

Goal in context: To manage a student's courses status and academic course registration

Preconditions: System must be fully configured. Appropriate user email and passwords must be obtained.

Scenario: Student's Course Registration in every semester in online. Thus, by this system a student can register any courses of any semester by online even if not present in the institution.

This system is the central part of the educational administration system which consists of undergraduate course registration, graduate course registration for regular courses and retake courses in every semester and also getting admit card to attend a semester final examination.

This system helps a student to gather information about a particular course and then they can easily register themselves about a particular course and also can gather information of retake courses and also can register them if they have available in online and also helps to get admit card in online for attending a semester final exam.

- This system allows the administration of the institution to edit and find out the personal details (Full name, ID, session, contact number, e-mail, department) of a student and allows the student to keep up to date his/her profile.
- Students can log into system by using email and password.
- This system will allow to fill registration form in online by logging in this system through email and password.
- The undergraduate and post-graduate students can check the details courses, department.
- They can easily get information of regular course details, course title and course code by this app.
- They also can get information of retake courses, course title and code of these retake courses with the help of this app.
- Student can download admit card using this system if the administrator allows.
- Admin can view and edit the details of any students. He/she can add new users and remove users also. Admin have to allow or decline course registration applications. Students can view their profile details and edit their details. A student can register as user and can edit delete his profile.

Exceptions: Email and password are incorrect or not recognized.

Priority: Moderate priority, to be implemented after basic functions

Channel to actors: Via android phone or web browser

Secondary actors: System Administrators

Requirements:

1. Android Phone or Tablet:

- 1.2 Quad core processor or higher
- 512 MB RAM or higher

2. Website:

- A good web browser such as Google chrome, Safari, Mozilla Firefox.

- **Software Requirement:**

Visual studio or text editor