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**COMSATS University Islamabad (CUI)**

**Curriculum Management and Administration System**

***By***

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***Supervisor*Dr. Muhammad Waqar**

***Bachelor of Science in Software Engineering (20xx-20xx)***

**The candidate confirms that the work submitted is their own and appropriate  
 credit has been given where reference has been made to the work of others**.

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**COMSATS University Islamabad (CUI)**

**Curriculum Management and Administration System**

**A project presented to**

**COMSATS University Islamabad**

**In partial fulfillment**

**of the requirement for the degree of**

***Bachelor of Science in Software Engineering (20xx-20xx)***

**By**

**Raja Shaiyan Azad Khan CIIT/FA16-BSE-084/ISB**

**Noor us Sahar CIIT/SP17-BSE-011/ISB**

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| Raja Shaiyan Azad Khan | Noor us Sahar | Iqra Fareed |
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**CERTIFICATE OF APPROVAL**

It is to certify that the final year project of BS (CS) “Curriculum Management and Administration System” was developed by **Syed Shaiyan Azad Khan (CIIT/FA16-BSE-084)** , **Noor us Sahar (CIIT/SP17-BSE-011)** and **Iqra Fareed (CIIT/SP17-BSE-037)** under the supervision of “Dr. Muhammad Waqar” and that in (their/his/her) opinion; it is fully adequate, in scope and quality for the degree of Bachelors of Science in Computer Sciences.

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**Supervisor**

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**Co-Supervisor**

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**External Examiner**

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**Head of Department**

**(Department of Computer Science)**

**Executive Summary**

In Universities and educational institutes, there are a lot of tasks that are to be done by the admin, faculty, coordinator which take up a lot of time if done manually. Appointing more people for different small tasks causes a lot of problems such as increased employee hiring, accuracy problem, trust, no proof for later use, and also the fact that a human can remember things till a certain time limit. Hence, there is a need for a system that reduces the workload of a user and also maintains the records over time.

The aim of this project is to provide services to admin and faculty of Shaheed Benazir Bhutto university to perform their manual tasks automatically, we have provided them a platform related to information technology where they will benefit from this system by using its unique service related to their requirements. Users will be able to provide and avail different functionalities on a single platform such as admissions, course enrollment, student record, grading, scheduling, reports, communication, faculty records maintenance. They are will three kind users faculty, admin and coordinators each of them will have their unique rolls and they will have access to only those tasks which are related to them. The software will prove to be efficient and helpful as they were performing these tasks manually.

It is an embedded system consisting of Linux fox kit with embedded a running server application also a camera, USB storage device and a sensor node base station is attached with fox kit. LAN communication is used by user to download the videos and to operate the system manually.

Our system will address three major aspects that have to be considered when developing a single platform for three different kinds of users. Our system is a web application where users will be able to perform tasks on a friendly and easy-to-use UI.

**Acknowledgement**

All praise is to Almighty Allah who bestowed upon us a minute portion of His boundless knowledge by virtue of which we were able to accomplish this challenging task.

We are greatly indebted to our project supervisor “Dr. Muhammad Waqar”. Without their personal supervision, advice and valuable guidance, completion of this project would have been doubtful. We are deeply indebted to them for their encouragement and continual help during this work.

And we are also thankful to our parents and family who have been a constant source of encouragement for us and brought us the values of honesty & hard work.

|  |  |  |
| --- | --- | --- |
| Raja Shaiyan Azad Khan | Noor us Sahar | Iqra Fareed |
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**Abbreviations**

|  |  |
| --- | --- |
| **SRS** | Software Requirement Specification |
| **PC** | Personal Computer |
|  |  |
|  |  |
|  |  |

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Fig 2.1 Use Case Diagram 2

# Introduction

This is an online system that makes it easier for faculty and admin to perform their daily tasks by automating the major activities that are being done manually. Faculty can register students online, upload and download assignments, see their attendance, upload lectures and quizzes of their general and hybrid courses and result cards. With the help of this system, we can perform online surveys to get reviews and feedback for improvement. This system will cater to many problems faced by the administration systems, under one umbrella. It can track and update records of fee submission, salary payment, and other financial tasks. This system will allow users to upload and download data within certain limits (faculty can only upload field relevant content). User interfaces are designed according to the targeted audience, such as different interfaces will be provided for admin and faculty according to their roles and authority.

## Brief Overview

Our system will address three major aspects that have to be considered when developing software that provides a single platform to three different kinds of users who have three different kinds of roles and access to the system as each of them has different tasks to perform. First, our system will provide an admin portal where the admin can perform all the tasks they are supposed to do. This portal will provide a platform where the admin will be able to access, handle and maintain all the data that is only specific to them that particular portal will focus on the admin domain. Secondly, there is a coordinator portal where the tasks under the coordinator will be focused on, and thirdly there is a faculty portal faculty which has cover all the faculty related data and functionalities, which can be accessed and modified by faculty. Our system will provide all the required functionalities which are so easy to perform.

## Relevance to Course Modules

This project is a result of courses we have studied throughout our degree like Human-Computer Interaction for UI development, Software Engineering Concepts for architecture and design of the system, Software Construction for good and efficient coding practices, Algorithm and Date structures for complex logics at the backend and frontend, Databases for how to store data in an effective manner and Web Engineering for how to host and deploy a system which can run in many types of system environments.

## Project Background

In the modern-day and age providing services online has become a popular trend. Any person who knows basic computer and knows a little bit English can perform their job on technology but there still are so many institutes who are performing their jobs manually which can be automated. It makes their system efficient and saves so much time and energy. Data privacy and security can also be promised this way. So, this is a system which is providing a single platform with different interfaces to make all those manual works automated. When the concept of automation comes many people think that this is going to be more complex and non-technical people will not be able to use them, but it is otherwise. The system is designed in such a way that any person with some basic knowledge can easily use the system. In fact, the system makes it easier for them as it was before. As we all know in COVID-19 types nothing can be done without technical platforms

## Literature Review

This section will describe current trends/ research/ products etc. related to your project.

## Analysis from Literature Review

This section will provide an analytical discussion in the context of your targeted work with compared to the literature review. You may add a Table to clearly depict the analysis from literature review.

## Methodology and Software Lifecycle for this Project

We have followed the procedural design methodology and the Iterative process model for the development of this system

A brief discussion of methodology and SDLC model selected for this project. You may add a suitable Figure to highlight the methodology.

### Rationale behind the Selected Methodology

We have followed the Procedural design methodology because we are using ReactJS which mostly uses functional-based components that reduce the need to create classes and objects, although we did use some class-based components they were very few to mention. The iterative process model has been followed because many of the requirements for the project are clear and defined as stated in the scope document and if any new requirements are identified they will also be included in the project as well.

# 

# Problem Definition



## Problem Statement

In this era of technology, there are many problems faced by the usage of manual systems such as calculating percentages, updating records, maintaining backups, fast searching and many other issues are faced by fast-growing organizations, every semester hundreds of new students are enrolled and a great number of them graduate while many students are promoted or they repeat the semester. Usually, institutes save this kind of data in excel sheets but again there is not one specified and customized system that can handle all the fields at one platform. Admin can’t broadcast the notifications to all individuals at once in current systems and it is not easy for the admin to perform these operations since manual functionality requires more time and effort. Systems like these are currently absent in many institutions but they have some limitations like (sending separate notification systems regarding updates and announcements in the institutions and dealing with major administration-based activities at one platform), which we’ll rectify in our project. The major and most common problems are that they are very sensitive to human errors or mistakes like the wrong entry of student’s credentials etc.

## Deliverables and Development Requirements

Following are the deliverables of the project

* Project Scope Document
* Software Requirement Specification Document (SRS)
* Software Design Document (SSD)
* 40% implementation
* 70% implementation
* 100% implementation
* Final Project Report

## Current System

|  |  |  |
| --- | --- | --- |
| **Application Name** | **Weakness** | **Proposed Project Solution** |
| Cu Online | Simple but reduced | Interactive and easy to learn |
|  | functionality offered to | user interface with more |
|  | admin. | functionality. |
| CMS NUST | Weakness is that courses | Combining both the portal |
|  | are dealt on another portal | functionalities and making a |
|  | one platform is not dealing | unified system. |
|  | major functionality. |  |

# Requirement Analysis



## Use Cases Diagram(s)

### Diagram Description automatically generatedUse Cases Admin

### Diagram Description automatically generatedUse Cases Applicant

### Use Cases Coordinator

Diagram

Description automatically generated

### Use Cases Faculty

## Diagram Description automatically generated

### Use Cases All Actors

Diagram

Description automatically generated

## Detailed Use Case

#### UC-1: Access Control

|  |  |
| --- | --- |
| **Use Case ID** | UC-1 |
| **Use Case Name** | Access Control |
| **Actors** | Primary Actor: Admin, Coordinator |
| **Description** | An authorized admin will register and sign in all the enrolled students and teachers in the portal and allot them credentials to make access through the portal |
| **Trigger** | New students and teachers are enrolled and are required to have their own login. |
| **Preconditions** | PRE-1: Admin is logged in the system. |
| **Postconditions** | POST-1: Login credentials are emailed to the student or teacher enrolled.  POST-2: A message is displayed “User signed up” |
| **Normal Flow** | 1. Admin selects the option between student and faculty. 2. Admin enters the credentials to sign up the user. 3. System validates the credentials 4. System sends a verification mail to the user who is signed up by the admin. 5. Admin is displayed a message “User signed up” |
| **Alternative Flows** | 3a. In normal flow 3, if the system doesn’t validate the credentials.  1.User is displayed a message “Wrong credentials, enter again”  2. User is shown the sign up form again.  3. Normal flow continues from point 2. |
| **Exceptions** | N/A |
| **Business Rules** | Only authorized and enrolled members can have access |
| **Assumptions** | N/A |

#### UC-2: Login

|  |  |
| --- | --- |
| **Use Case ID** | UC-2 |
| **Use Case Name** | Login |
| **Actors** | Primary Actor: Admin, Coordinator, Faculty |
| **Description** | An admin wants to get access to the portal so he/she will have to login the system to get access to facilities.com. |
| **Trigger** | User will click on the login button |
| **Preconditions** | PRE-1: User is registered.. |
| **Postconditions** | POST-1: User is logged in the system.  POST-2: Home page is displayed to the user. |
| **Normal Flow** | 1. User enter his/her password and username 2. User presses enter or selects the submit button. 3. Username and password are verified by the system. 4. The home page is displayed. |
| **Alternative Flows** | 3a. If the username or password are not correct.  1. User is shown a message “Username or password incorrect.”  2. User is prompted to enter the credentials again.  3. Normal flow continues from point 1. |
| **Exceptions** | N/A |
| **Business Rules** | Only enrolled students and faculty can login into the system |
| **Assumptions** | N/A |

### Use Cases of Module-1:

#### UC-1: Create Account

|  |  |
| --- | --- |
| **Use Case ID** | UC-3 |
| **Use Case Name** | Create Admission Session |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to create the admission session. |
| **Trigger** | The admin will click on the create admission session button. |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to create admission sessions. |
| **Postconditions** | POST-1: The Admission session is created.  POST-2: The Admission session is enabled by default.  POST-3: The Applicant can apply for the Admission session. |
| **Normal Flow** | 1. Admin selects the create admission session option 2. System shows a form with the fields to create admission session 3. Admin enters the details 4. Admin clicks on submit 5. Admission session gets created on the dashboard 6. Admission session is enabled by default 7. Applicant can apply for the session |
| **Alternative Flows** | N/A |
| **Exceptions** | 6a. If the end date has passed, the session will automatically turn status to disabled   1. Session can be enabled manually. 2. Normal flow continues from step 7 of normal flow. |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-4 |
| **Use Case Name** | Set Start and End Date of Admission Sessions |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to set the start and end date of the admission according to the schedule. |
| **Trigger** | The admin will select the set date of Admissions . |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to set the dates. |
| **Postconditions** | POST-1: The start date is set  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin selects the set date of the admissions. 2. System shows a form with start and end date to enter 3. Admin enters the dates 4. System asks for confirmation 5. Admin saves. 6. Admin displays the start and end Date . |
| **Alternative Flows** | 3a. If the admin enters th date such that date is behind the start date   1. Generate an error and prompt the user to enter again. 2. Normal flow continues from step 2. |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-5 |
| **Use Case Name** | Create Department |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to create the departments |
| **Trigger** | The admin will click on create department |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to create the department  PRE-3: Admin is on manage department section |
| **Postconditions** | POST-1: Department is created  POST-2: Success message is displayed  POST-3: Programs can be added to the departments |
| **Normal Flow** | 1. The Admin selects create department 2. System shows the form to fill in the department 3. The Admin completes the form and clicks on submit button 4. System display the success message and displays the created department |
| **Alternative Flows** | 3a. If the department is already created   1. Department can be updated 2. System continues from step 3 of normal flow |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-6 |
| **Use Case Name** | Update Department |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to update the departments fields |
| **Trigger** | The admin will click on update department button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to update the department  PRE-3: Admin is on manage department section |
| **Postconditions** | POST-1: Department fields are updated  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin will click on update department button 2. System will display the admin the fields of department to be updated 3. Admin will update the required fields 4. Admin will click on submit 5. System will display success message indicating department fields are updated 6. Updated fields will be seen on manage department section |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no fields that have been updated   1. System shall display the message indicating that no change has been done 2. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-7 |
| **Use Case Name** | View Departments Coordinator |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to view the departments coordinator after coordinators have been created |
| **Trigger** | The admin will click on coordinators button next to respective department |
| **Preconditions** | PRE-1: Admin is logged in |
| **Postconditions** | POST-1: Department coordinators list can be viewed |
| **Normal Flow** | 1. Admin will click on view department coordinator 2. System will redirect the Admin to the list of Coordinators of the department 3. Admin can view the coordinators inside a department |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no coordinators that exists   1. System shall display the message indicating that no coordinators have been found 2. Admin will click on back button and go back to the previous page |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-8 |
| **Use Case Name** | View Departments Program |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to view the departments programs after programs have been created |
| **Trigger** | The admin will click on programs button next to respective department |
| **Preconditions** | PRE-1: Admin is logged in |
| **Postconditions** | POST-1: Department programs list can be viewed |
| **Normal Flow** | 1. Admin will click on view department programs 2. System will redirect the Admin to the list of Programs of the department 3. Admin can view the programs inside a department |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no programs that exists   1. System shall display the message indicating that no programs have been found 2. Admin will click on back button and go back to the previous page |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-9 |
| **Use Case Name** | Create Program |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to create the program |
| **Trigger** | The admin will click on create program |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to create the program  PRE-3: Admin is on manage program section |
| **Postconditions** | POST-1: Program is created  POST-2: Success message is displayed  POST-3: Applicant can select the program they can apply for |
| **Normal Flow** | 1. The Admin selects create program 2. System shows the form to fill in for the creating program 3. The Admin completes the form and clicks on submit button 4. Created programs can be seen on the manage program tab and applicant apply tab for them to apply into the programs they desire. |
| **Alternative Flows** | 3a. If the program is already created   1. Program can be updated 2. System continues from step 3 of normal flow |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-10 |
| **Use Case Name** | Update Program |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can update program after it has been created, by clicking on the update button next to the respective program |
| **Trigger** | The Admin will click on update button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Program exists in order to be updated |
| **Postconditions** | POST-1: Programs details will be modified  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin clicks on update button 2. Admin updates any of the required fields of the program 3. Admin clicks on submit 4. System displays a success message indicating the fields have been updated successfully 5. System will redirect the Admin to manage programs section 6. System will display the modifications made on the program details |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no fields that have been updated   1. System shall display the message indicating that no change has been done 2. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-11 |
| **Use Case Name** | Enable Program |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can enable the status of program by id |
| **Trigger** | The Admin will click on enable button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Program exists or is disabled in order to be enabled |
| **Postconditions** | POST-1: Program status will be enabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Admin clicks on the Enable button next to the respective program they desire to enable 2. System enables the program 3. System displays the success message indicating the program enabled |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-12 |
| **Use Case Name** | Disable Program |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can disable the status of program by id |
| **Trigger** | The Admin will click on disable button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: program is disabled or exists in order to be enabled |
| **Postconditions** | POST-1: Program status will be disabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Admin clicks on the Disable button next to the respective program which is enabled 2. System disables the program 3. System displays the success message indicating the program has been disabled |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-13 |
| **Use Case Name** | Remove Program |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can remove the Program by id |
| **Trigger** | The Admin will click on remove button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Program exists in order to be removed |
| **Postconditions** | POST-1: Program will be removed  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin desires to remove the program 2. Admin clicks on remove button next to a program 3. System will display a message to confirm in order to remove a remove 4. Admin confirms to remove the program 5. System removes the program |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. Admin does not confirm to remove the program   1. The use case will be terminated. |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-14 |
| **Use Case Name** | Create Announcement Feed |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to create the announcement feed |
| **Trigger** | The admin will click on create announcement feed |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to create the announcement feed  PRE-3: Admin is on manage announcement section |
| **Postconditions** | POST-1: Announcement feed is created  POST-2: Success message is displayed  POST-3: Applicant can select the announcement feed they can apply for |
| **Normal Flow** | 1. The Admin selects create announcement feed 2. System shows the form to fill in for the creating announcement feed 3. The Admin completes the form and clicks on submit button 4. Created feeds can be seen on the manage announcement tab and applicants can view them on the landing page |
| **Alternative Flows** | 3a. If the announcement feed is already created   1. Announcement feed can be updated 2. System continues from step 3 of normal flow |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-15 |
| **Use Case Name** | Update Announcement Feed |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can update announcement feed after it has been created, by clicking on the update button next to the respective announcement feed |
| **Trigger** | The Admin will click on update button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Announcement feed exists in order to be updated |
| **Postconditions** | POST-1: Announcement feed details will be modified  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin clicks on update button 2. Admin updates any of the required fields of the announcement feed 3. Admin clicks on submit 4. System displays a success message indicating the fields have been updated successfully 5. System will redirect the Admin to manage announcement feed section 6. System will display the modifications made on the announcement feed details |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| --- | --- |
| **Use Case ID** | UC-16 |
| **Use Case Name** | Enable Announcement Feed |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can enable the status of feed by id |
| **Trigger** | The Admin will click on enable button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Announcement feed exists or is disabled in order to be enabled |
| **Postconditions** | POST-1: Announcement feed status will be enabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Admin clicks on the Enable button next to the respective feed they desire to enable 2. System enables the feed 3. System displays the success message indicating the announcement feed has been enabled |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-17 |
| **Use Case Name** | Disable Announcement Feed |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can disable the status of feed by id |
| **Trigger** | The Admin will click on disable button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Announcement feed is disabled or exists in order to be enabled |
| **Postconditions** | POST-1: Announcement feed status will be disabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Admin clicks on the Disable button next to the respective feed which is enabled 2. System disables the announcement feed 3. System displays the success message indicating the feed has been disabled |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-18 |
| **Use Case Name** | Remove Announcement Feed |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can remove the feed by id |
| **Trigger** | The Admin will click on remove button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Announcement feed exists in order to be removed |
| **Postconditions** | POST-1: Announcement feed will be removed  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin desires to remove the announcement feed 2. Admin clicks on remove button next to a feed 3. System will display a message to confirm in order to remove a feed 4. Admin confirms to remove the respective feed 5. System removes the feed |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. Admin does not confirm to remove the feed   1. The use case will be terminated. |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-19 |
| **Use Case Name** | Register Coordinator |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to register a coordinator |
| **Trigger** | The admin will click on add coordinator button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to register coordinator  PRE-3: Admin is on manage coordinator section |
| **Postconditions** | POST-1: Coordinator is registered  POST-2: Success message is displayed  POST-3: Coordinator can login to their portal |
| **Normal Flow** | 1. Admin will navigate to Manage Coordinator section 2. Admin will click on Add Coordinator 3. System will display the registration form 4. Admin will fill in the registration form 5. Admin will click on submit 6. System will display a success message 7. Registered Coordinator list can be seen on the Manage Coordinator section |
| **Alternative Flows** | N/A |
| **Exceptions** | 5a. If the credentials of Coordinator are same as the created coordinator   1. The system will display the error message indicating that the user already exists 2. The use case will resume from step 4 of Normal Flow |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-20 |
| **Use Case Name** | Remove Coordinator |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can remove the coordinator by id |
| **Trigger** | The Admin will click on remove button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Coordinator feed exists in order to be removed |
| **Postconditions** | POST-1: Coordinator will be removed  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin desires to remove the coordinator 2. Admin clicks on remove button next to a coordinator 3. System will display a message to confirm in order to remove a coordinator 4. Admin confirms to remove the coordinator 5. System removes the coordinator |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. Admin does not confirm to remove the coordinator   1. The use case will be terminated. |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-21 |
| **Use Case Name** | Generate Merit List |
| **Actors** | Primary Actor : Admin |
| **Description** | The admin will be able to generate a merit list of students after they have given their entry test and their total aggregate has been calculated. |
| **Trigger** | The admin will click on generate merit list button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admin is authorized to generate merit list  PRE-3: Admin is on their dashboard |
| **Postconditions** | POST-1: Merit list is generated  POST-2: Success message is displayed  POST-3: Applicant will be displayed a notification for acceptance on their dashboard.  POST-4: Applicant can upload the fee challan of the respective program |
| **Normal Flow** | 1. Admin will navigate to Dashboard 2. Admin will create the session 3. Admin will enter student university test score and calculate their aggregate 4. Admin will click on the generate merit list button on dashboard 5. System will generate merit list of all the applicants having their test scores above that of minimum criteria set 6. Admin will be able to view the generated Merit list on Manage List section |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If Admin has not yet calculated the merit list of any applicant and clicks on generate merit list   1. The system shall generate an empty list 2. The use case resumes from step 5 of normal flow |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-22 |
| **Use Case Name** | Add Test Score |
| **Actors** | Primary Actor : Admin |
| **Description** | Admin will be able to add test score of the applicants who have applied for a program and they have appeared in the university examination |
| **Trigger** | Admin will be able to add test score of the applicants |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Applicant has given the entry test  PRE-3: Admin has received the entry test scores of Applicant |
| **Postconditions** | POST-1: Applicant’s test score has been added  POST-2: Success message is displayed  POST-3: Applicant’s aggregate can be calculated |
| **Normal Flow** | 1. Admin will click on view button next to the applicant and go on their details section 2. Admin will enter the test score under aggregate section 3. Admin will click on the add test score 4. System will display a message indicating the test scores have been updated |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If Admin has already added the test score for the Applicant   1. They will be updating the test score if desired 2. The use case will resume from step 3 of normal flow |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-23 |
| **Use Case Name** | Calculate Aggregate of the Applicant |
| **Actors** | Primary Actor : Admin |
| **Description** | Admin will be able to calculate aggregate of the applicants who have applied for a program and their test score has been added |
| **Trigger** | Admin will click on the calculate aggregate button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Applicant has given the entry test  PRE-3: Admin has received the entry test scores of Applicant  PRE-4: Admin has added the test score of Applicant |
| **Postconditions** | POST-1: Applicant’s aggregate will be calculated  POST-2: Success message is displayed  POST-3: Admin can request system to generate merit list |
| **Normal Flow** | 1. Admin will click on view button next to the applicant and go on their details section 2. Admin will click on the calculate aggregate button below the test score button 3. System will calculate the aggregate of the applicant 4. System will display the aggregate in aggregate section |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-24 |
| **Use Case Name** | Forward Applicant Details to the Coordinator |
| **Actors** | Primary Actor : Admin |
| **Description** | Admin will be able to forward the applicant details to the coordinator, so that they can view the status of the applicant and register them as student after verification |
| **Trigger** | Admin will click on the forward applicant button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Applicants aggregate has been calculated  PRE-3: Applicants aggregate is above the minimum required aggregate of the program |
| **Postconditions** | POST-1: Applicant’s details will be forwarded to Coordinator  POST-2: Coordinator will be able to view Applicant’s details |
| **Normal Flow** | 1. Admin will click on forward applicant button 2. System will change the status of applicant to forwarded 3. System will forward applicant details to coordiantor 4. Coordinator can view the details of the Applicant forwarded |
| **Alternative Flows** | N/A |
| **Exceptions** | 1a. If the applicant aggregate has not yet calculated   1. Applicant will not be forwarded 2. System will display error message indicating the applicant has been forwarded |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-25 |
| **Use Case Name** | Verify Applicant |
| **Actors** | Primary Actor : Admin |
| **Description** | Admin will be able to verify applicant after they have uploaded their submitted fee challan image |
| **Trigger** | Admin will click on the verify button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Applicants has uploaded their submitted challan image |
| **Postconditions** | POST-1: Applicant’s status will be changed to verified  POST-2: Coordinator will be able to view Applicant’s status in order to register them as a student |
| **Normal Flow** | 1. Admin will click on status to view the submitted challan image 2. System will display the challan image of submitted program fee 3. Admin will save the changes 4. Admin will click on verify 5. System will verify the applicant 6. Coordinator can view the status of the applicant as verified |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-26 |
| **Use Case Name** | Change Applicant Status To Pending |
| **Actors** | Primary Actor : Admin |
| **Description** | Admin will be able to change applicants status to pending incase they have not uploaded the submitted fee challan on the announced date for admissions closing. |
| **Trigger** | Admin will click on the pending button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Applicants has not yet uploaded their submitted challan image |
| **Postconditions** | POST-1: Applicant’s status will be changed to pending  POST-2: Coordinator will be able to view Applicant’s status pending applicants will not be registered |
| **Normal Flow** | 1. Admin will click on status to view the submitted challan image 2. System will not display challan image 3. Admin will save the changes 4. Admin will click on pending button 5. System will change the status of applicant as pending 6. Coordinator can view the status of the applicant as pending |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-27 |
| **Use Case Name** | Discard Applicant |
| **Actors** | Primary Actor : Admin |
| **Description** | Admin will be able to change applicants status to discarded in case they have not uploaded the submitted fee challan on the announced last date. |
| **Trigger** | Admin will click on the discard button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Applicants has not yet uploaded their submitted challan image  PRE-3: Last date for uploading submitted challan fee has been announced by the Admin |
| **Postconditions** | POST-1: Applicant’s status will be changed to discarded  POST-2: Discarded Applicants will be moved to discarded list of applicants |
| **Normal Flow** | 1. Admin will click on status to view the submitted challan image 2. System will not display challan image 3. Admin will save the changes 4. Admin will click on discard button 5. System will change the status of applicant as discarded 6. System will push the applicant to discarded list |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-28 |
| **Use Case Name** | Create Profile |
| **Actors** | Primary Actor : Applicant |
| **Description** | Applicants will be able to create their profile by filling in their personal details, income details, education details and upload their profile picture in the settings menu. |
| **Trigger** | Applicants will click on apply for the program and select programs after which they will click proceed. |
| **Preconditions** | PRE-1: Applicant is logged in  PRE-2: Applicant is has not applied for any program earlier  PRE-3: Applicant profile does not exists |
| **Postconditions** | POST-1: Applicant’s data has been submitted  POST-2: Success message is displayed  POST-3: Applicant picture and their details can be seen by faculty and coordinator |
| **Normal Flow** | 1. Applicant will click on apply now option on the registration page 2. After applicant has completed registration they will click on apply for program option 3. Applicants will click on proceed and they will be redirected to personal details form, income details form and educational details form. 4. After completing these forms they will be redirected to Settings tab and they will upload their profile picture 5. After which all their details can be seen by the Admin and Coordinator |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If Applicant has already applied for a program   1. They will not be able to re apply again 2. The use case will resume from step 5 of normal flow |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-29 |
| **Use Case Name** | Modify Credentials |
| **Actors** | Primary Actor : Admin, Coordinator, Applicant |
| **Description** | The users will be able to modify their credentials which includes their name and password |
| **Trigger** | The users will click on settings tab indicating their desire to chage their credentials |
| **Preconditions** | PRE-1: User is logged in  PRE-2: User is authorized to modify their credentials |
| **Postconditions** | POST-1: Users name/password will be changed  POST-2: Success message is displayed |
| **Normal Flow** | 1. After the user has logged into their portals 2. They can navigate to the settings tab 3. Here they can update their username or password as desired 4. After updating their username or password they can click on submit button 5. System will display a success message indicating the username or password has been updated |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-30 |
| **Use Case Name** | Update Admission Session |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can update admission session after it has been created, by clicking on the update button next to the respective session |
| **Trigger** | The Admin will click on update button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admission session exists in order to be updated |
| **Postconditions** | POST-1: Admission sessions details will be modified  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin clicks on update button 2. Admin updates any of the required fields of the Admission session 3. Admin clicks on submit 4. System displays a success message indicating the fields have been updated successfully 5. System will redirect the Admin to Dashboard 6. System will display the modifications made on the session details |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no fields that have been updated   1. System shall display the message indicating that no change has been done 2. The use case will resume from step 4 of normal flow |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| --- | --- |
| **Use Case ID** | UC-31 |
| **Use Case Name** | Enable Admission Session |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can enable the status of Admission Session by id |
| **Trigger** | The Admin will click on enable button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admission session exists or is disabled in order to be enabled |
| **Postconditions** | POST-1: Admission sessions status will be enabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Admin clicks on the Enable button next to the respective admission session they desire to enable 2. System enables the admission session 3. System displays the success message indicating the session enabled |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If the end date for the session has passed the session status will be disabled by default and will not be enabled   1. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| --- | --- |
| **Use Case ID** | UC-32 |
| **Use Case Name** | Disable Admission Session |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can disable the status of Admission Session by id |
| **Trigger** | The Admin will click on disable button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admission session is disabled or exists in order to be enabled |
| **Postconditions** | POST-1: Admission sessions status will be disabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Admin clicks on the Disable button next to the respective admission session which is enabled 2. System disables the admission session 3. System displays the success message indicating the session has been disabled |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If the end date for the session has passed the session status will be disabled by default   1. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| --- | --- |
| **Use Case ID** | UC-33 |
| **Use Case Name** | Remove Admission Session |
| **Actors** | Primary Actor : Admin |
| **Description** | The Admin can remove the Admission Session by id |
| **Trigger** | The Admin will click on remove button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Admission session exists in order to be removed |
| **Postconditions** | POST-1: Admission sessions will be removed  POST-2: Success message is displayed |
| **Normal Flow** | 1. Admin desires to remove the session 2. Admin clicks on remove session 3. System will display a message to confirm in order to remove a session 4. Admin confirms to remove the session 5. System removes the session |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. Admin does not confirm to remove the session   1. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-34 |
| **Use Case Name** | Apply for Admission |
| **Actors** | Primary Actor : Applicant |
| **Description** | The Applicant can apply for the admissions once the Apply Now option is visible on the landing page. Applicants can also view the announcement to check for open registrations. |
| **Trigger** | The Applicant will click on Apply Now button |
| **Preconditions** | PRE-1: Applicant is not logged in yet  PRE-2: Admission session is enabled and created  PRE-3: Applicant has not already applied for a program |
| **Postconditions** | POST-1: Applicant will be registered and will be able to select a program they desire to proceed with  POST-2: Success message is displayed |
| **Normal Flow** | 1. Applicant clicks on Apply Now Button 2. Applicant fills all the required fields 3. Applicant clicks on register now 4. Applicant is redirected to registration page where they can register into the session 5. System will redirect the applicant after registration to their dashboard |
| **Alternative Flows** | N/A |
| **Exceptions** | 2a. Applicant has missed any of the fields   1. System will request applicant to fill in all the required fields 2. Applicant re-enters the missing field 3. System will proceed from step 3 of normal flow |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-35 |
| **Use Case Name** | Choose a Program |
| **Actors** | Primary Actor : Applicant |
| **Description** | Applicants can choose more than one program to apply for, they can select the list of programs and click on proceed. |
| **Trigger** | The Applicant will select the list of programs from the checkboxes |
| **Preconditions** | PRE-1: Applicant is logged in  PRE-2: Admission session is enabled and created  PRE-3: Applicant has not already applied for a program  PRE-4: Applicant has not yet selected any program and not yet clicked on proceed now button. |
| **Postconditions** | POST-1: List of programs will be added to applicants Applied Programs section |
| **Normal Flow** | 1. Applicant chooses the program they desire to apply for 2. Applicant clicks on the checkboxes to select the program 3. System assigns the programs to them, for application process |
| **Alternative Flows** | N/A |
| **Exceptions** | 2a. Applicant has already applied for the program   1. The use case gets terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-36 |
| **Use Case Name** | Add Personal Details |
| **Actors** | Primary Actor : Applicant |
| **Description** | Applicants can add their personal details once they have applied for a program. |
| **Trigger** | The Applicant will click on proceed button after choosing program they want to apply for |
| **Preconditions** | PRE-1: Applicant is logged in  PRE-2: Admission session is enabled and created  PRE-3: Applicant has not already applied for a program |
| **Postconditions** | POST-1: Applicants personal details will be updated |
| **Normal Flow** | 1. Applicant clicks on proceed button after choosing the list of programs they desire to get enrolled in 2. System displays the personal details form 3. Applicant adds their personal details 4. Applicant clicks next button 5. System continues to the next form for Income details |
| **Alternative Flows** | N/A |
| **Exceptions** | 1a. Applicant has already applied for the program   1. The use case gets terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-37 |
| **Use Case Name** | Add Income Details |
| **Actors** | Primary Actor : Applicant |
| **Description** | Applicants can add their income details once they have applied for a program. |
| **Trigger** | The Applicant will click on next button after completing the personal details section |
| **Preconditions** | PRE-1: Applicant is logged in  PRE-2: Applicant has completed their personal details |
| **Postconditions** | POST-1: Applicants income details will be updated |
| **Normal Flow** | 1. Applicant clicks on next button after filling in their personal details 2. System displays the income details form 3. Applicant adds their income details 4. Applicant clicks next button 5. System continues to the next form for Education details |
| **Alternative Flows** | N/A |
| **Exceptions** | 1a. Applicant has already applied for the program   1. The use case gets terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-38 |
| **Use Case Name** | Add Education Details |
| **Actors** | Primary Actor : Applicant |
| **Description** | Applicants can add their education details once they have applied for a program. |
| **Trigger** | The Applicant will click on next button after completing the education details section |
| **Preconditions** | PRE-1: Applicant is logged in  PRE-2: Applicant has completed their income details |
| **Postconditions** | POST-1: Applicants education details will be updated |
| **Normal Flow** | 1. Applicant clicks on next button after filling in their income details 2. System displays the education details form 3. Applicant adds their education details 4. Applicant clicks next button 5. System displays a message to confirm submission of the details 6. Applicant confirms the submission 7. System redirects the Applicant to their dashboard |
| **Alternative Flows** | N/A |
| **Exceptions** | 1a. Applicant has already applied for the program   1. The use case gets terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

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| **Use Case ID** | UC-39 |
| **Use Case Name** | Upload Submitted Challan Image |
| **Actors** | Primary Actor : Applicant |
| **Description** | Applicants can upload their submitted challan picture which can be viewed by the Admin for verification purposes. |
| **Trigger** | The Applicant will click on upload button |
| **Preconditions** | PRE-1: Applicant is logged in  PRE-2: Applicant paid the fee amount |
| **Postconditions** | POST-1: Applicant submitted challan can be viewed by the admin |
| **Normal Flow** | 1. Applicant chooses the picture of submitted challan form 2. Applicant clicks on upload fee challan 3. System uploads the submitted challan picture with the applicant details 4. Admin can view the status of submitted challan on Manage Applicant section |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-40 |
| **Use Case Name** | View Challan Status |
| **Actors** | Primary Actor : Admin |
| **Description** | Admin can click on the status button on the Manage List section next to applicant, details in order to view their status for the fee submission. |
| **Trigger** | The Admin will click on view button |
| **Preconditions** | PRE-1: Admin is logged in  PRE-2: Applicant paid the fee challan  PRE-3: Applicant is forwarded |
| **Postconditions** | POST-1: Admin can verify or discard the pending applicant |
| **Normal Flow** | 1. Admin clicks on status button 2. System displays the image of the challan submitted by the applicant 3. Admin clicks on save button and proceeds to verify applicant |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-41 |
| **Use Case Name** | View Applicants Status |
| **Actors** | Primary Actor : Coordinator |
| **Description** | Coordinator can view the Applicants status by visiting the Manage Applicant section |
| **Trigger** | Admin will click on verify applicant |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Admin has forwarded the applicant |
| **Postconditions** | POST-1: Coordinator can view and generate merit list based on the applicant details. |
| **Normal Flow** | 1. Coordinator visits manage applicant section 2. System will display the applicant status as verified or pending 3. Coordinator can proceed on registering the student |
| **Alternative Flows** | 2a. Applicant status is pending   1. Coordinator can wait for Admin to verify applicant for registration 2. The usecase will proceed from step 3 of normal flow |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

### Use Cases of Module-2:

|  |  |
| --- | --- |
| **Use Case ID** | UC-42 |
| **Use Case Name** | Create Course |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The coordinator will be able to create the course |
| **Trigger** | The coordinator will click on create course |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Coordinator is authorized to create the course  PRE-3: Coordinator is on manage course section |
| **Postconditions** | POST-1: Course is created  POST-2: Success message is displayed  POST-3: Coordinator can add the courses to the sections  POST-4: Coordinator can assign the course to the students |
| **Normal Flow** | 1. The Coordinator selects add course 2. System shows the form to fill in for the creating course 3. The Coordinator completes the form and clicks on submit button 4. Created courses can be seen on the manage course tab and students can be assigned these courses. |
| **Alternative Flows** | 3a. If the course is already created   1. Course can be updated 2. System continues from step 3 of normal flow |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-43 |
| **Use Case Name** | Update Course |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator can update course after it has been created, by clicking on the update button next to the respective course |
| **Trigger** | The Coordinator will click on update button |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Course exists in order to be updated |
| **Postconditions** | POST-1: Course details will be modified  POST-2: Success message is displayed |
| **Normal Flow** | 1. Coordinator clicks on update button 2. Coordinator updates any of the required fields of the course 3. Coordinator clicks on submit 4. System displays a success message indicating the fields have been updated successfully 5. System will redirect the Coordinator to manage course section 6. System will display the modifications made on the course details |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no fields that have been updated   1. System shall display the message indicating that no change has been done 2. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-44 |
| **Use Case Name** | Enable Course |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator can enable the status of course by id |
| **Trigger** | The Coordinator will click on enable button |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Course exists or is disabled in order to be enabled |
| **Postconditions** | POST-1: Course status will be enabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Coordinator clicks on the Enable button next to the respective course they desire to enable 2. System enables the course 3. System displays the success message indicating the course enabled |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-45 |
| **Use Case Name** | Disable Course |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator can disable the status of course by id |
| **Trigger** | The Coordinator will click on disable button |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Course is disabled or exists in order to be enabled |
| **Postconditions** | POST-1: Course status will be disabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Coordinator clicks on the Disable button next to the respective course which is enabled 2. System disables the course 3. System displays the success message indicating the course has been disabled |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-46 |
| **Use Case Name** | Remove Course |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator can remove the Course by id |
| **Trigger** | The Coordinator will click on remove button |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Course exists in order to be removed |
| **Postconditions** | POST-1: Course will be removed  POST-2: Success message is displayed |
| **Normal Flow** | 1. Coordinator desires to remove the course 2. Coordinator clicks on remove button next to a course 3. System will display a message to confirm in order to remove a course 4. Coordinator confirms to remove the course 5. System removes the course |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. Admin does not confirm to remove the course   1. The use case will be terminated. |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-47 |
| **Use Case Name** | View Course Status |
| **Actors** | Primary Actor : Coordinator |
| **Description** | Coordinator can view the Course status by visiting the Manage Course section |
| **Trigger** | Coordinator will click on manage course section |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Coordinator has course created |
| **Postconditions** | POST-1: Coordinator can view and change the course status as offered or not |
| **Normal Flow** | 1. Coordinator visits manage course section 2. System will display the course status as offered or not offered 3. Coordinator can proceed on changing status of the course |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

### Use Cases of Module-3:

|  |  |
| --- | --- |
| **Use Case ID** | UC-48 |
| **Use Case Name** | Enroll Students in Semester |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator will be able to enroll Students into semester |
| **Trigger** | The Coordinator will click on manage course button next to an Applicant |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Coordinator is authorized to enroll student  PRE-3: Coordinator is on manage student section |
| **Postconditions** | POST-1: Applicant is registered as Student  POST-2: Success message is displayed |
| **Normal Flow** | 1. Coordinator will navigate to Manage Applicant section 2. Coordinator will click on manage course button 3. System will display the list of courses 4. Coordinator will choose the desired courses 5. Coordinator will click on save 6. System will enroll the students into the Semester depending on the courses they choose to study |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-49 |
| **Use Case Name** | Select a Course in Semester |
| **Actors** | Primary Actor : Coordinator |
| **Description** | Coordinator can choose courses to add to the Students for which they will be taught in the respective sections |
| **Trigger** | The Coordinator will select the list of courses from the Manage Course |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Applicant has been registered as a student |
| **Postconditions** | POST-1: List of programs will be added to Students Assigned Course section |
| **Normal Flow** | 1. Coordinator visits the Manage Students section 2. Coordinator clicks on manage course next to each applicant 3. Coordinator chooses the courses they desire to assign the student 4. Coordinator clicks on save 5. System assigns the courses to students, for application process |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-50 |
| **Use Case Name** | Create Semester Enrollment |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The coordinator will be able to create the semester for enrollment of students with respect to their courses and sections. |
| **Trigger** | The admin will click on the create enrollment semester button. |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Coordinator is authorized to create enrollment semester. |
| **Postconditions** | POST-1: The Enrollment semester is created.  POST-2: The Enrollment semester is enabled by default.  POST-3: The Applicant can be enrolled into a semester. |
| **Normal Flow** | 1. Coordinator selects the create enrollment semester option 2. System shows a form with the fields to create enrollment semester 3. Coordinator enters the details 4. Coordinator clicks on submit 5. Enrollment semester gets created on the dashboard 6. Enrollment semester is enabled by default 7. Students can be assigned to the semester |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-51 |
| **Use Case Name** | Update Enrollment semester |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator can update Enrollment semester after it has been created, by clicking on the update button next to the respective semester |
| **Trigger** | The Coordinator will click on update button |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Enrollment semester exists in order to be updated |
| **Postconditions** | POST-1: Enrollment semester details will be modified  POST-2: Success message is displayed |
| **Normal Flow** | 1. Coordinator clicks on update button 2. Coordinator updates any of the required fields of the Enrollment semester 3. Coordinator clicks on submit 4. System displays a success message indicating the fields have been updated successfully 5. System will redirect the Coordinator to Dashboard 6. System will display the modifications made on the semester details |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no fields that have been updated   1. System shall display the message indicating that no change has been done 2. The use case will resume from step 4 of normal flow |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-52 |
| **Use Case Name** | Enable Enrollment semester |
| **Actors** | Primary Actor : Coordiantor |
| **Description** | The Coordiantor can enable the status of Enrollment semester by id |
| **Trigger** | The Coordiantor will click on enable button |
| **Preconditions** | PRE-1: Coordiantor is logged in  PRE-2: Enrollment semester exists or is disabled in order to be enabled |
| **Postconditions** | POST-1: Enrollment semester status will be enabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Coordiantor clicks on the Enable button next to the respective Enrollment semester they desire to enable 2. System enables the Enrollment semester 3. System displays the success message indicating the semester enabled |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If the end date for the semester has passed the semester status will be disabled by default and will not be enabled   1. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-53 |
| **Use Case Name** | Disable Enrollment semester |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator can disable the status of Enrollment semester by id |
| **Trigger** | The Coordinator will click on disable button |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Enrollment semester is disabled or exists in order to be enabled |
| **Postconditions** | POST-1: Enrollment semester status will be disabled  POST-2: Success message is displayed |
| **Normal Flow** | 1. The Coordinator clicks on the Disable button next to the respective Enrollment semester which is enabled 2. System disables the Enrollment semester 3. System displays the success message indicating the semester has been disabled |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If the end date for the session has passed the semester status will be disabled by default   1. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-54 |
| **Use Case Name** | Update Section |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator will be able to update the Section fields |
| **Trigger** | The Coordinator will click on update Sectiont button |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Coordinator is authorized to update the Sectiont  PRE-3: Coordinator is on manage Section section |
| **Postconditions** | POST-1: Section fields are updated  POST-2: Success message is displayed |
| **Normal Flow** | 1. Coordinator will click on update Section button 2. System will display the admin the fields of Section to be updated 3. Coordinator will update the required fields 4. Coordinator will click on submit 5. System will display success message indicating Section fields are updated 6. Updated fields will be seen on manage Section section |
| **Alternative Flows** | N/A |
| **Exceptions** | 3a. If there are no fields that have been updated   1. System shall display the message indicating that no change has been done 2. The use case will be terminated |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-55 |
| **Use Case Name** | Register Applicant as Student |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator will be able to register a Student |
| **Trigger** | The Coordinator will click on register button next to an Applicant |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Coordinator is authorized to register coordinator  PRE-3: Coordinator is on manage student section |
| **Postconditions** | POST-1: Applicant is registered as Student  POST-2: Success message is displayed |
| **Normal Flow** | 1. Coordinator will navigate to Manage Applicant section 2. Coordinator will click on register button 3. System will display the registration form 4. Coordinator will fill in the registration form 5. Coordinator will click on submit 6. System will display a success message 7. Registered Student list can be seen on the Manage Students section |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-56 |
| **Use Case Name** | Create Section |
| **Actors** | Primary Actor : Coordinator |
| **Description** | The Coordinator will be able to create the Section |
| **Trigger** | The Coordinator will click on create Section |
| **Preconditions** | PRE-1: Coordinator is logged in  PRE-2: Coordinator is authorized to create the Section  PRE-3: Coordinator is on manage Section section |
| **Postconditions** | POST-1: Section is created  POST-2: Success message is displayed  POST-3: Courses can be added to the Section |
| **Normal Flow** | 1. The Coordinator selects create Section 2. System shows the form to fill in the Section 3. The Coordinator completes the form and clicks on submit button 4. System display the success message and displays the created Section |
| **Alternative Flows** | 3a. If the Section is already created   1. Section can be updated 2. System continues from step 3 of normal flow |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

### Use Cases of Module-4:

|  |  |
| --- | --- |
| **Use Case ID:** | UC-57 |
| **Use Case Name:** | Generate Timetable |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The Admin will be able to generate a timetable and set classroom, time slot and course name |
| **Trigger:** | The admin will be able to click on the desired options to make changes |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in schedule |
| **Postconditions:** | POST-1:A new timetable slot will be created |
| **Normal Flow:** | 1: Admin will go to schedule tab in dashboard.  2: Admin will click on create new slot  3: Admin will enter all the fields on a form  4: Admin will save the details |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-58 |
| **Use Case Name:** | Change classroom |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The Admin will be able to change classroom details in timetable |
| **Trigger:** | The admin will be able to click on the desired options to make changes |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in schedule |
| **Postconditions:** | POST-1:A new classroom will be alloted |
| **Normal Flow:** | 1: Admin will go to schedule tab in dashboard.  2: Admin will click on edit icon.  3: Admin will enter all the fields on a form  4: Admin will save the details |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-59 |
| **Use Case Name:** | Change time slot |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The Admin will be able to change time slot details in timetable |
| **Trigger:** | The admin will be able to click on the desired options to make changes |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in schedule |
| **Postconditions:** | POST-1:A new timetable slot will be set |
| **Normal Flow:** | 1: Admin will go to schedule tab in dashboard.  2: Admin will edit icon  3: Admin will enter all the fields on a form  4: Admin will save the details |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-60 |
| **Use Case Name:** | Change Event |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The Admin will be able to change the event or course name for which they are setting the schedule |
| **Trigger:** | The admin will be able to click on the desired options to make changes |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in schedule |
| **Postconditions:** | POST-1:A new timetable slot will be set |
| **Normal Flow:** | 1: Admin will go to schedule tab in dashboard.  2: Admin will edit icon  3: Admin will enter all the fields on a form  4: Admin will save the details |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-61 |
| **Use Case Name:** | Delete classroom |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The Admin will be able to delete classroom details in timetable |
| **Trigger:** | The admin will be able to click on the desired options to make changes |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in schedule |
| **Postconditions:** | POST-1: That Classroom detail will be deleted |
| **Normal Flow:** | 1: Admin will go to schedule tab in dashboard.  2: Admin will click on delete icon.  3: Admin will delete the particular field on a form  4: Admin will save the details |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-62 |
| **Use Case Name:** | Delete classroom |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The Admin will be able to delete timeslot details in timetable |
| **Trigger:** | The admin will be able to click on the desired options to make changes |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in schedule |
| **Postconditions:** | POST-1: That Classroom detail will be deleted |
| **Normal Flow:** | 1: Admin will go to schedule tab in dashboard.  2: Admin will click on delete icon.  3: Admin will delete the particular field on a form  4: Admin will save the details |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-63 |
| **Use Case Name:** | Delete Event |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The Admin will be able to delete Event details in timetable |
| **Trigger:** | The admin will be able to click on the desired options to make changes |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in schedule |
| **Postconditions:** | POST-1: That Classroom detail will be deleted |
| **Normal Flow:** | 1: Admin will go to schedule tab in dashboard.  2: Admin will click on delete icon.  3: Admin will delete the particular field on a form  4: Admin will save the details |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

### Use Cases of Module-5:

|  |  |
| --- | --- |
| **Use Case ID:** | UC-64 |
| **Use Case Name:** | Add Assignment Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to add marks to the students for each subject’s assignments |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select assignment option |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in assignment marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the assignment tab 4. Enter marks of each or particular subject 5. Then click on save button. 6. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-65 |
| **Use Case Name:** | Edit Assignment Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to edit marks to the students for each subject’s assignments |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select assignment option and click on edit icon |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in assignment marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the assignment tab 4. Then click on edit icon 5. Enter marks of each or particular subject 6. Then click on save button. 7. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-66 |
| **Use Case Name:** | Add quiz Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to add marks to the students for each subject’s quiz marks |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select quiz option |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in quiz marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the quiz tab 4. Enter marks of each or particular subject 5. Then click on save button. 6. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-67 |
| **Use Case Name:** | Edit quiz Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to edit marks to the students for each subject’s quiz |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select quiz option and click on edit icon |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in quiz marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the quiz tab 4. Then click on edit icon 5. Enter marks of each or particular subject 6. Then click on save button. 7. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-68 |
| **Use Case Name:** | Add midterm Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to add marks to the students for each subject’s midterm marks |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select midterm option |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in midterm marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the midterm tab 4. Enter marks of each or particular subject 5. Then click on save button. 6. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-69 |
| **Use Case Name:** | Edit midterm Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to edit marks to the students for each subject’s midterm |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select midterm option and click on edit icon |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in midterm marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the midterm tab 4. Then click on edit icon 5. Enter marks of each or particular subject 6. Then click on save button. 7. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-70 |
| **Use Case Name:** | Add project Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to add marks to the students for each subject’s project marks |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select project option |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in project marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the project tab 4. Enter marks of each or particular subject 5. Then click on save button. 6. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-71 |
| **Use Case Name:** | Edit project Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to edit marks to the students for each subject’s project |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select project option and click on edit icon |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in midterm marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the project tab 4. Then click on edit icon 5. Enter marks of each or particular subject 6. Then click on save button. 7. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-72 |
| **Use Case Name:** | Add final Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to add marks to the students for each subject’s final marks |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select final option |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in project marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the final tab 4. Enter marks of each or particular subject 5. Then click on save button. 6. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-73 |
| **Use Case Name:** | Edit final Marks |
| **Actors:** | Primary Actor: Faculty |
| **Description:** | The Faculty will be able to edit marks to the students for each subject’s final |
| **Trigger:** | The Faculty member clicks on the “Mark Grades” option and then select final option and click on edit icon |
| **Preconditions:** | PRE-1: Logged into the system  PRE-2: Have access to make changes in midterm marks |
| **Postconditions:** | POST-1: The marks will be uploaded and viewable by Faculty. |
| **Normal Flow:** | 1. Faculty is logged into the CMS. 2. Faculty will select particular semester they want to enter 3. Then select the final tab 4. Then click on edit icon 5. Enter marks of each or particular subject 6. Then click on save button. 7. System displays the message “Save Successful”. |
| **Alternative Flows:** | N/A. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

### Use Cases of Module-6:

|  |  |
| --- | --- |
| **Use Case ID:** | UC-74 |
| **Use Case Name:** | Add student Record |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The user needs to add a record. |
| **Trigger:** | The user selects add record button. |
| **Preconditions:** | PRE-1: User is logged in the portal. |
| **Postconditions:** | POST-1: Record is added in the database.  POST-2: User is displayed a message “Record added Successfully”. |
| **Normal Flow:** | 1. User is shown a page with an add record button. 2. User selects an option of student, faculty or employees whoever he/she wants to add 3. User enters the credentials to add. 4. System verifies the information added. 5. System verifies the record doesn’t exist already. 6. Record is added in the database. 7. Admin is displayed a message “Record added successfully.”. |
| **Alternative Flows:** | 4a . If the system doesn’t verify the credentials added.   1. User is displayed a message “Incorrect information.” 2. The fields with wrong information are colored red. 3. Normal flow continues from point 3.   5a. The record already exists.   1. System generates a message “Record already exists” 2. System exists the use case. |
| **Exceptions:** | N/A |
| **Business Rules** | N/A |
| **Assumptions:** | N/A |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-75 |
| **Use Case Name:** | Modify Record |
| **Actors:** | Primary Actor: Admin, Coordinator |
| **Description:** | The user needs to update an existing record. |
| **Trigger:** | The user selects modify record button. |
| **Preconditions:** | PRE-1: User is logged in the portal. |
| **Postconditions:** | POST-1: User is provided the option to update or delete the record selected. |
| **Normal Flow:** | 1. User is shown a page with a search option to search the record. 2. User selects an option of student 3. User enters the credentials through which he/she wants to search the record. 4. Record is displayed to the user. 5. Option of update and delete is provided beneath the record searched.. |
| **Alternative Flows:** | 3a .If the user enters wrong credentials, or such credentials which do not exist in the database.   1. User is displayed a message “ Record doesn’t exist. Try again.” 2. User is  prompted to enter other credentials. 3. Normal flow continues from point 2. |
| **Exceptions:** | N/A. |
| **Business Rules** | N/A. |
| **Assumptions:** | N/A. |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-76 |
| **Use Case Name:** | Delete Record |
| **Actors:** | Primary Actor: Admin |
| **Description:** | The user wants to delete the record of a student |
| **Trigger:** | User selects “Delete” button. |
| **Preconditions:** | PRE-1: A record is displayed which the user searched. |
| **Postconditions:** | POST-1: Record is deleted from the database.  POST-2: Modify  page is shown to the user. |
| **Normal Flow:** | 1. User is asked for confirmation by showing a message “Are you sure you want to delete the record?” 2. User selects yes. 3. Record is deleted from the database. 4. User is  shown message “Record Deleted Successfully” 5. User is shown the modify page. |
| **Alternative Flows:** | 2a. User selects no   1. User is shown the record with the update and delete option. |
| **Exceptions:** | N/A |
| **Business Rules** | N/A |
| **Assumptions:** | N/A |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-77 |
| **Use Case Name:** | View Profile |
| **Actors:** | Primary Actor: Admin, |
| **Description:** | The admin wants to view the student profile |
| **Trigger:** | User selects the display student button. |
| **Preconditions:** | PRE-1: User is logged in the system. |
| **Postconditions:** | POST-1: Student profile is displayed |
| **Normal Flow:** | 1. Log in the system 2. Select profiles option 3. Click on the profile you want to display |
| **Alternative Flows:** | N/A |
| **Exceptions:** | N/A |
| **Business Rules** | N/A |
| **Assumptions:** | N/A |

|  |  |
| --- | --- |
| **Use Case ID:** | UC-78 |
| **Use Case Name:** | Display students |
| **Actors:** | Primary Actor: Admin, Coordinator |
| **Description:** | The admin wants to view the list of students in a semester. |
| **Trigger:** | User selects the display students button. |
| **Preconditions:** | PRE-1: User is logged in the system. |
| **Postconditions:** | POST-1: User is displayed a list of students.. |
| **Normal Flow:** | 1. User is prompted to enter the semester no# of which he wants to view the students. 2. User enters the semester number. 3. User is displayed the list of students who are eligible for that semester |
| **Alternative Flows:** | N/A |
| **Exceptions:** | N/A |
| **Business Rules** | N/A |
| **Assumptions:** | N/A |

### Use Cases of Module-7:

|  |  |
| --- | --- |
| **Use Case ID** | UC-79 |
| **Use Case Name** | Register Faculty |
| **Actors** | Primary Actor: Admin |
| **Description** | The admin will be able to register a faculty member.. |
| **Trigger** | The user clicks on “Register Faculty “ button |
| **Preconditions** | PRE-1: The faculty member has been hired |
| **Postconditions** | POST-1: The faculty member is registered. |
| **Normal Flow** | 1. The admin selects on register faculty button. 2. The admin is displayed a form with fields required to register th faculty. 3. The admin fills the forms and submits. 4. The system registers the faculty. |
| **Alternative Flows** | 3a. In step 3 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-80 |
| **Use Case Name** | Create Faculty |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to create his/her profile. |
| **Trigger** | The user clicks on “Create Profile “ button |
| **Preconditions** | PRE-1: The faculty member has logged in  PRE-2: User doesn’t have a profile. |
| **Postconditions** | POST-1: The faculty member’s profile is created |
| **Normal Flow** | 1. The system displays a form with fields to be filled 2. The user fills the form 3. The user submits. 4. The system creates a profile. |
| **Alternative Flows** | 2a. In step 2 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-81 |
| **Use Case Name** | Create Profile |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to create his/her profile. |
| **Trigger** | The user clicks on “Create Profile “ button |
| **Preconditions** | PRE-1: The faculty member has logged in  PRE-2: User doesn’t have a profile. |
| **Postconditions** | POST-1: The faculty member’s profile is created |
| **Normal Flow** | 1. The system displays a form with fields to be filled 2. The user fills the form 3. The user submits. 4. The system creates a profile. |
| **Alternative Flows** | 2a. In step 2 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-82 |
| **Use Case Name** | Edit Profile |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to edit his/her profile. |
| **Trigger** | The user clicks on “Edit Profile “ button |
| **Preconditions** | PRE-1: The faculty member has logged in  PRE-2: User has a profile. |
| **Postconditions** | POST-1: The faculty member’s profile is update |
| **Normal Flow** | 1. The system displays a form with fields filled with previous data 2. The user fills the form 3. The user submits. 4. The system updates a profile. |
| **Alternative Flows** | 2a. In step 2 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-83 |
| **Use Case Name** | View Profile |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to view his/her profile. |
| **Trigger** | The user clicks on “Profile “ button |
| **Preconditions** | PRE-1: The faculty member has logged in  PRE-2: User has profile. |
| **Postconditions** | POST-1: The faculty member’s profile is shown |
| **Normal Flow** | 1. User selects profile button on dashboard 2. User is shown his/her profile . |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-84 |
| **Use Case Name** | View Profiles of All Faculty |
| **Actors** | Primary Actor: Faculty , Admin |
| **Description** | The user will be able to view the profiles of all the faculty members. |
| **Trigger** | The user clicks on “Faculty Members “ button |
| **Preconditions** | PRE-1: The user has logged in |
| **Postconditions** | POST-1: The faculty members profile is shown |
| **Normal Flow** | 1. User selects “Faculty Member” button on dashboard 2. User is shown profiles of all faculty members.. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-85 |
| **Use Case Name** | Delete Profile |
| **Actors** | Primary Actor: Admin |
| **Description** | The user will be able to delete a profile |
| **Trigger** | The user clicks on “Delete Profile “ button |
| **Preconditions** | PRE-1: The profiles are displayed |
| **Postconditions** | POST-1: The faculty member’s profile is deleted |
| **Normal Flow** | 1. User selects Delete button of member’s profile. 2. Profile is deleted. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-86 |
| **Use Case Name** | Add Research Paper |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to add research papers |
| **Trigger** | The user clicks on “Add research Papers “ button |
| **Preconditions** | PRE-1: The faculty member has logged in  PRE-2: User has a profile. |
| **Postconditions** | POST-1: The faculty member’s profile is update |
| **Normal Flow** | 1. The system displays a form with fields to be filled 2. The user fills the form 3. The user submits. 4. The system updates a profile. |
| **Alternative Flows** | 2a. In step 2 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-87 |
| **Use Case Name** | Add Education |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to add education |
| **Trigger** | The user clicks on “Add education “ button |
| **Preconditions** | PRE-1: The faculty member has logged in  PRE-2: User has a profile. |
| **Postconditions** | POST-1: The faculty member’s profile is update |
| **Normal Flow** | 1. The system displays a form with fields to be filled 2. The user fills the form 3. The user submits. 4. The system updates a profile. |
| **Alternative Flows** | 2a. In step 2 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-88 |
| **Use Case Name** | Add Experience |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to add experience |
| **Trigger** | The user clicks on “Add experience“ button |
| **Preconditions** | PRE-1: The faculty member has logged in  PRE-2: User has a profile. |
| **Postconditions** | POST-1: The faculty member’s profile is update |
| **Normal Flow** | 1. The system displays a form with fields to be filled 2. The user fills the form 3. The user submits. 4. The system updates a profile. |
| **Alternative Flows** | 2a. In step 2 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-89 |
| **Use Case Name** | View Calendar |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to view his/her calendar |
| **Trigger** | The user clicks on “Calendar “ button |
| **Preconditions** | PRE-1: The faculty member has logged in |
| **Postconditions** | POST-1: The faculty member’s calendar is shown |
| **Normal Flow** | 1. User selects calendar button on dashboard 2. User is shown his/her calendar . |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-90 |
| **Use Case Name** | View Evaluation Result of Self |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to view his/her evaluation result |
| **Trigger** | The user clicks on “View Result “ button |
| **Preconditions** | PRE-1: The faculty member has logged in |
| **Postconditions** | POST-1: The faculty member’s evaluation result is shown |
| **Normal Flow** | 1. User selects profile button on dashboard 2. User is shown his/her result. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-91 |
| **Use Case Name** | View Teaching Schedule |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to view his/her teaching schedule as assigned by admin. |
| **Trigger** | The user clicks on “Teaching Schedule “ button |
| **Preconditions** | PRE-1: The faculty member has logged in |
| **Postconditions** | POST-1: The faculty member’s profile is shown |
| **Normal Flow** | 1. User selects profile button on dashboard 2. User is shown his/her profile . |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-91 |
| **Use Case Name** | Add event |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to add an event to the calendar |
| **Trigger** | The user clicks on “Add event “ button |
| **Preconditions** | PRE-1: The faculty member has logged in |
| **Postconditions** | POST-1: The event is added |
| **Normal Flow** | 1. User selects add event button on calendar. 2. User enters the fields . 3. User submits. 4. System creates and event. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-92 |
| **Use Case Name** | Delete event |
| **Actors** | Primary Actor: Faculty |
| **Description** | The faculty will be able to delete an event to the calendar |
| **Trigger** | The user clicks on Delete event “ button |
| **Preconditions** | PRE-1: The faculty member has logged in |
| **Postconditions** | POST-1: The event is deleted |
| **Normal Flow** | 1. User selects delete event button on calendar. 2. System delete an event. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-93 |
| **Use Case Name** | View Evaluation Report of All Faculty |
| **Actors** | Primary Actor: Admin |
| **Description** | The user will be able to evaluation report of all the faculty members. |
| **Trigger** | The user clicks on “Evaluation Report “ button |
| **Preconditions** | PRE-1: The user has logged in |
| **Postconditions** | POST-1: The evaluation result is shown |
| **Normal Flow** | 1. User selects “Evaluation Report” button on dashboard 2. User is shown reports of all faculty members.. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

### Use Cases of Module-8:

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| --- | --- |
| **Use Case ID** | UC-94 |
| **Use Case Name** | Make a suggestion |
| **Actors** | Primary Actor: Admin/ Faculty/ Coordinator /Applicant |
| **Description** | The user will be able to make a suggestion regarding the portal which will be sent to the email address of the university. |
| **Trigger** | User selects suggestion button |
| **Preconditions** | PRE-1: User is logged in  PRE-2: User has opened the chatbot |
| **Postconditions** | POST-1: The suggestion mail is sent.  POST-2: The system asks the user if he/she needs help with something else. |
| **Normal Flow** | 1. The user selects “Suggestion” button. 2. The system prompts the user to enter his/her name, email, suggestion. 3. The user enters the fields required 4. System asks the user if he/she wants to update 5. The user selects NO 6. The system asks the user if he/she wants to send mail. 7. The user select YES 8. The system send the mail 9. The system asks the user if he/she needs help with anything else. |
| **Alternative Flows** | In 4 of the normal flow , if the user wants to update a field and selects YES   1. The system asks which field he/she wants to update. 2. The user selects the field to update. 3. System prompts the user to enter the updated value 4. The user enters the value to update to. 5. Normal flow continues from step 5. |
| **Exceptions** | N/A |
| **Business Rules** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-95 |
| **Use Case Name** | Make a complain |
| **Actors** | Primary Actor: Admin/ Faculty/ Coordinator /Applicant |
| **Description** | The user will be able to make a complain regarding the portal which will be sent to the email address of the university. |
| **Trigger** | User selects suggestion button |
| **Preconditions** | PRE-1: User is logged in  PRE-2: User has opened the chatbot |
| **Postconditions** | POST-1: The suggestion mail is sent.  POST-2: The system asks the user if he/she needs help with something else. |
| **Normal Flow** | 1. The user selects “Complain” button. 2. The system prompts the user to enter his/her name, email, suggestion. 3. The user enters the fields required 4. System asks the user if he/she wants to update 5. The user selects NO 6. The system asks the user if he/she wants to send mail. 7. The user select YES 8. The system send the mail 9. The system asks the user if he/she needs help with anything else. |
| **Alternative Flows** | In 4 of the normal flow , if the user wants to update a field and selects YES   1. The system asks which field he/she wants to update. 2. The user selects the field to update. 3. System prompts the user to enter the updated value 4. The user enters the value to update to. 5. Normal flow continues from step 5. |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-96 |
| **Use Case Name** | Find a Page |
| **Actors** | Primary Actor: Faculty , Admin, Coordinator , Applicant |
| **Description** | The user will be able to find a page through the chatbot |
| **Trigger** | User selects ‘Find a Page” button in the chatbot. |
| **Preconditions** | PRE-1: User is logged in  PRE-2: User is using the chatbot |
| **Postconditions** | POST-1: User is redirected to the page. |
| **Normal Flow** | 1. User selects ‘Find a Page’ button 2. System shows a set of pages. 3. User selects the page he/she wants to find 4. System redirects the user to the page. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

### Use Cases of Module-9:

|  |  |
| --- | --- |
| **Use Case ID** | UC-97 |
| **Use Case Name** | Fill a Performa |
| **Actors** | Primary Actor: Faculty, Student |
| **Description** | The faculty will be able to fill a Performa in order to generate results. |
| **Trigger** | The user clicks on the proforma to be filled. |
| **Preconditions** | PRE-1: The user is logged in  PRE-2: The Performa is open for filling |
| **Postconditions** | POST-1: The Performa is submitted |
| **Normal Flow** | 1. The user selects on the proforma wanting to be filed. 2. The user fills the fields given. 3. User submits. |
| **Alternative Flows** | 2a. In step 2 of normal flow , If the user leaves out an important or required field.   1. The system prompts the user to enter the required fields. 2. The normal flow continues from step 2 with previous state |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-98 |
| **Use Case Name** | Generate Reports of Faculty |
| **Actors** | Primary Actor: Admin |
| **Description** | The admin will be able generate the results of students. |
| **Trigger** | The user clicks on “Generate Report of Student“ button |
| **Preconditions** | PRE-1: The proformas have been filled |
| **Postconditions** | POST-1: The report is generated |
| **Normal Flow** | 1. User selects on generate report of Students button 2. User selects the type of report to generate. 3. System generates the report. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-99 |
| **Use Case Name** | Generate Reports of Student |
| **Actors** | Primary Actor: Admin |
| **Description** | The admin will be able generate the results of students. |
| **Trigger** | The user clicks on “Generate Report of Faculty“ button |
| **Preconditions** | PRE-1: The proformas have been filled |
| **Postconditions** | POST-1: The report is generated |
| **Normal Flow** | 1. User selects on generate report of Faculty button 2. User selects the type of report to generate. 3. System generates the report. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-100 |
| **Use Case Name** | Upload Results |
| **Actors** | Primary Actor: Admin |
| **Description** | The admin will be able to upload the results. |
| **Trigger** | The user clicks on “Upload Results“ button |
| **Preconditions** | PRE-1: The proformas have been filled  PRE-2: The report is generated |
| **Postconditions** | POST-1: The result is uploaded |
| **Normal Flow** | 1. User selects on upload result after a report has been generated. 2. The system uploads the result. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-101 |
| **Use Case Name** | Change Graph Type |
| **Actors** | Primary Actor: Admin |
| **Description** | The admin will be able to change the graph types of the reports generated. |
| **Trigger** | The user clicks on “Change Graph“ button |
| **Preconditions** | PRE-1: The reports have been generated |
| **Postconditions** | POST-1: The report graph is changed. |
| **Normal Flow** | 1. The user selects change graph button 2. System asks the type of graph user wants 3. User selects the type he/she wants 4. The graph is changed and shown to the user. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

|  |  |
| --- | --- |
| **Use Case ID** | UC-102 |
| **Use Case Name** | View Reports |
| **Actors** | Primary Actor: Admin , Student, Faculty |
| **Description** | The user will be able to view the reports |
| **Trigger** | The user clicks on Reports button |
| **Preconditions** | PRE-1: The result has been uploaded |
| **Postconditions** | POST-1: The report is displayed |
| **Normal Flow** | 1. User selects the reports button 2. User is shown a list of reports that have been uploaded 3. User selects the report 4. Report is displayed. |
| **Alternative Flows** | N/A |
| **Exceptions** | N/A |
| **Business Rules** | N/A |
| **Assumptions** | N/A |

## Functional Requirements

### FRS Module-1:

|  |  |
| --- | --- |
| **Identifier** | FR-1 |
| **Title** | Select Create Admission Session Button |
| **Requirement** | The admin shall be able to create an admission session. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to create the admission sessions |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-2 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submits |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the Admission Session Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-3 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-4 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-5 |
| **Title** | Set date of Admissions |
| **Requirement** | The admin shall be able to select the set date of the admissions. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to select the date of the admissions.. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-6 |
| **Title** | Enter Date |
| **Requirement** | The admin shall be able to enters the dates |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to select the date of the admissions.. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-7 |
| **Title** | Display Date |
| **Requirement** | The admin shall be able to display the start and end Date |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to select the date of the admissions.. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-8 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-9 |
| **Title** | Select Create Department Button |
| **Requirement** | The admin shall be able to create a department. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to create the department |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-10 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for creation of the department. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the Department Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-11 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-12 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-13 |
| **Title** | Select Update Department Button |
| **Requirement** | The admin shall be able to update a department. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to update the department |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-14 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for updation of the department. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the update form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-15 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-16 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-17 |
| **Title** | View Department Coordinator List |
| **Requirement** | The Admin shall be able to view the list of departments coordinator |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to view the department coordinators list. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-18 |
| **Title** | Display Department Coordinator List |
| **Requirement** | The System shall display the list of departments coordinators |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To help user to see the list of department coordinators |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-19 |
| **Title** | Display Department Programs List |
| **Requirement** | The System shall display the list of departments programs |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To help user to see the list of department programs |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-20 |
| **Title** | Display Department Program List |
| **Requirement** | The System shall display the list of departments programs |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To help user to see the list of department programs |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-21 |
| **Title** | Select Create Program Button |
| **Requirement** | The admin shall be able to create a program. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to create the program |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-22 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for creation of the program. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the Program Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-23 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-24 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-25 |
| **Title** | Select Update Program Button |
| **Requirement** | The admin shall be able to update a program. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to update the program |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-26 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for updation of the program. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the update form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-27 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-28 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-29 |
| **Title** | Select Enable Program Button |
| **Requirement** | The system shall change the status change of the selected program to enabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow applicants to apply into the specific program, being enabled. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-30 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-31 |
| **Title** | Select Disable Program Button |
| **Requirement** | The system shall change the status change of the selected program to disabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To indicate that the current program is not being offered for application. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-32 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-33 |
| **Title** | Select Remove Program Button |
| **Requirement** | The system shall remove the program from the program list |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to remove the program if it is not being offered any more. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-34 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-35 |
| **Title** | Select Create Announcement Feed Button |
| **Requirement** | The admin shall be able to create an announcement feed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to create the announcement feed. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-36 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for creation of the announcement feed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the announcement feed form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-37 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-38 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-39 |
| **Title** | Select Update Announcement Feed Button |
| **Requirement** | The admin shall be able to update an announcement feed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to update the announcement feed. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-40 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for updation of the announcement feed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the update form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-41 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-42 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-43 |
| **Title** | Select Enable Button |
| **Requirement** | The system shall change the status change of the selected Announcement Feed to enabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow applicants to apply into the specific Announcement Feed, being enabled. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-44 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-45 |
| **Title** | Select Disable Button |
| **Requirement** | The system shall change the status change of the selected Announcement Feed to disabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To indicate that the current Announcement Feed is not active. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-46 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-47 |
| **Title** | Select Remove Button |
| **Requirement** | The system shall remove the feed from the feed list |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to remove the Announcement Feed if it is not important any more. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-48 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-49 |
| **Title** | Select Add Coordinator Button |
| **Requirement** | The admin shall be able to add a coordinator. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to register a coordinator |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-50 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for registration of coordinator. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the Registration Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-51 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-52 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-53 |
| **Title** | Select Remove Coordinator Button |
| **Requirement** | The system shall remove the coordinator from the coordinator list |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to remove the coordinator. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-54 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-55 |
| **Title** | Select Generate Merit List Button |
| **Requirement** | The Admin shall be able to generate a list of students who are on the qualifying merit. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow applicants to get selected for registration. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-56 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-57 |
| **Title** | Display Merit List |
| **Requirement** | The system shall be able to display the generated merit list of current session enabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to select the applicants that are on merit for registration purposes. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-58 |
| **Title** | Select Add Test Score Button |
| **Requirement** | The admin shall be able to add the test score of each applicant. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the system to calculate aggregate of the students based on their test score |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-59 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |

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| --- | --- |
| **Identifier** | FR-60 |
| **Title** | Select Generate Aggregate Button |
| **Requirement** | The admin shall be able to generate an aggregate after adding the applicant's test score button. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the system to calculate the aggregate of the applicant who scored in a test. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-61 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |

|  |  |
| --- | --- |
| **Identifier** | FR-62 |
| **Title** | Display Aggregate |
| **Requirement** | The system shall be able to display the calculated aggregate of the applicant. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to forward applicants to the coordinator. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-63 |
| **Title** | Select Forward Applicant Button |
| **Requirement** | The system shall be able forward applicants to the coordinator. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the coordinator to view applicants for verification status and registration purposes. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-64 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |

|  |  |
| --- | --- |
| **Identifier** | FR-65 |
| **Title** | Display Forwarded Applicant |
| **Requirement** | The system shall be able to display the forwarded applicant on the coordinators side. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the coordinator to view the applicants that have been forwarded. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-66 |
| **Title** | Select Verify Applicant Button |
| **Requirement** | The system shall be able to verify applicants in order to be registered as a student. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the coordinator to register applicants. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-67 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |

|  |  |
| --- | --- |
| **Identifier** | FR-68 |
| **Title** | Select Pending Button |
| **Requirement** | The system shall be able to set applicants status as pending. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To filter out the pending applicants that have not yet submitted the admission fee. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-69 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |

|  |  |
| --- | --- |
| **Identifier** | FR-70 |
| **Title** | Select Discard Button |
| **Requirement** | The system shall be able to move the applicants to discard applicants list. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To discard Applicants that have not yet paid the fee for the active admission session. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-71 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |

|  |  |
| --- | --- |
| **Identifier** | FR-72 |
| **Title** | Display Discarded Applicants List |
| **Requirement** | The system shall be able to display discarded applicants list. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To acquire the applicant if any of them submits their admission fee before the deadline. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-73 |
| **Title** | Select Acquire Button |
| **Requirement** | The system shall be able to move the applicants from discard applicants list to Manage Applicants Section. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To acquire the discarded Applicants that have now paid the admission fee. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-74 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |

|  |  |
| --- | --- |
| **Identifier** | FR-75 |
| **Title** | Select Proceed Button |
| **Requirement** | The applicant shall be able to create their profile using their details. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the applicant to create the department |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-76 |
| **Title** | Fill in the Personal Details Form |
| **Requirement** | The Applicant shall be able to fill the personal details form and submit the data for creation of their profile. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Applicant to fill in the Personal Detail Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-77 |
| **Title** | Select Submit Button |
| **Requirement** | The Applicant shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-78 |
| **Title** | Fill in the Income Details Form |
| **Requirement** | The Applicant shall be able to fill the income details form and submit the data for creation of their profile. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Applicant to fill in the Income Detail Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-79 |
| **Title** | Select Submit Button |
| **Requirement** | The Applicant shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-80 |
| **Title** | Fill in the Education Details Form |
| **Requirement** | The Applicant shall be able to fill the education details form and submit the data for creation of their profile. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Applicant to fill in the education Detail Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-81 |
| **Title** | Select Submit Button |
| **Requirement** | The Applicant shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-82 |
| **Title** | Display Confirmation Message |
| **Requirement** | The System shall display a confirmation message to the Applicant for the submission of education details. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To proceed with the submission of education details and complete applicant details and profile section. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-83 |
| **Title** | Select Okay Button |
| **Requirement** | The Applicant shall be able to confirm submission of their details. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the applicant details to be visible to the Admin and Coordinator. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-84 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-85 |
| **Title** | Select Settings Tab |
| **Requirement** | The Users shall be able to update their credentials. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the users to update their credentials |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-86 |
| **Title** | Fill in the Form |
| **Requirement** | The User shall be able to fill the form and submit the data for updation of the credentials. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Users to fill in the update form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-87 |
| **Title** | Select Submit Button |
| **Requirement** | The Users shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-88 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-89 |
| **Title** | Select Update Admission Session Button |
| **Requirement** | The Admin shall be able to update an Admission Session. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the admin to update the Admission Session fields. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-90 |
| **Title** | Fill in the Form |
| **Requirement** | The Admin shall be able to fill the form and submit the data for updation of the Admission Session. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to fill in the update form for Admission Session. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-91 |
| **Title** | Select Submit Button |
| **Requirement** | The Admin shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-92 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-93 |
| **Title** | Select Enable Admission Session Button |
| **Requirement** | The system shall change the status change of the selected Admission Session to enabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow applicants to apply for the Admission Session, being enabled. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-94 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-95 |
| **Title** | Select Disable Admission Session Button |
| **Requirement** | The system shall change the status change of the selected Admission Session to disabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To indicate that the current Admission Session is closed for application. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-96 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-97 |
| **Title** | Select Remove Admission Session Button |
| **Requirement** | The system shall remove the Admission Session from the Session list |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to remove the Admission Session if it is not active anymore. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-98 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-99 |
| **Title** | Select Apply For Program Button |
| **Requirement** | The Applicant shall be able to select the program they desire to apply for. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Applicants to proceed on with their registration process. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-100 |
| **Title** | Display Programs List |
| **Requirement** | The System shall display the list of programs being offered. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Applicants to choose their desired programs to apply for. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-101 |
| **Title** | Select Programs |
| **Requirement** | The Applicant shall be able to select the list of programs from the program list. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To provide applicants with the option to select the program they want to apply for. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-102 |
| **Title** | Select Proceed Button |
| **Requirement** | The Applicant shall be able to select the proceed button to lead towards the Personal Details Form |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow applicants to proceed towards personal details form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-103 |
| **Title** | Select Upload Button |
| **Requirement** | The Applicant shall be able to upload challan images for the submitted challan form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to verify applicants for registration as students based on their challan status. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-104 |
| **Title** | Select Submit Button |
| **Requirement** | The Applicant shall be able to submit their challan form image. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Applicant to submit all their challan form for verification purposes. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-105 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-106 |
| **Title** | Select View Challan Button |
| **Requirement** | The Admin shall be able to click on the view button next to the applicant in the merit list to view their challan status. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to verify applicant based on challan status. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-107 |
| **Title** | Display Submitted Challan Form |
| **Requirement** | The system shall display the submitted challan form by applicant to Admin for verification purposes. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Admin to verify applicant status. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-108 |
| **Title** | Select Save option for the challan image |
| **Requirement** | The Admin shall be able to save the challan image of the student. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To keep record of the Applicants submitted challan form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

### FRS Module-2:

|  |  |
| --- | --- |
| **Identifier** | FR-109 |
| **Title** | Select Create Course Button |
| **Requirement** | The Coordinator shall be able to create a course. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the coordinator to create the course |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-110 |
| **Title** | Fill in the Form |
| **Requirement** | The Coordinator shall be able to fill the form and submit the data for creation of the course. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to fill in the Course Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-111 |
| **Title** | Select Submit Button |
| **Requirement** | The Coordinator shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-112 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-113 |
| **Title** | Select Update Course Button |
| **Requirement** | The Coordinator shall be able to update a course. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to modify the course details |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-114 |
| **Title** | Fill in the Form |
| **Requirement** | The Coordinator shall be able to fill the form and submit the data for updation of the course. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to fill in the update form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-115 |
| **Title** | Select Submit Button |
| **Requirement** | The Coordinator shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-116 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-117 |
| **Title** | Select Enable Course Button |
| **Requirement** | The system shall change the status change of the selected course to being offered. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow coordinators to select specific courses for applicants, being offered. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-118 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-119 |
| **Title** | Select Disable Course Button |
| **Requirement** | The system shall change the status change of the selected course to not being offered. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow coordinators to select only specific courses for applicants, that are being offered. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-120 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-121 |
| **Title** | Select Remove Course Button |
| **Requirement** | The system shall remove the course from the course list |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to remove the course if it is not being offered any more. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-122 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-123 |
| **Title** | Display Course List |
| **Requirement** | The system shall be able to display the course list for the coordinator to select for each student. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow Coordinator to enroll students into specific courses. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

### FRS MODULE-3:

|  |  |
| --- | --- |
| **Identifier** | FR-124 |
| **Title** | Select Courses |
| **Requirement** | The Coordinator shall be able to select the check boxes to add the specific courses to the student side and allow them to be enrolled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To enroll registered students into their courses. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-125 |
| **Title** | Select Save Button |
| **Requirement** | The Coordinator shall be able to save the list of courses to the assigned students. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the students to view the courses they are enrolled in. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-126 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-127 |
| **Title** | Select Create Enrollment Semester Button |
| **Requirement** | The Coordinator shall be able to create an Enrollment Semester. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the coordinator to create the Enrollment Semester |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-128 |
| **Title** | Fill in the Form |
| **Requirement** | The Coordinator shall be able to fill the form and submit the data for creation of the Enrollment Semester. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to fill in the Enrollment Semester Form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-129 |
| **Title** | Select Submit Button |
| **Requirement** | The Coordinator shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-130 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-131 |
| **Title** | Select Update Enrollment Semester Button |
| **Requirement** | The Coordinator shall be able to update a Enrollment Semester. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to update the Enrollment Semester |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-132 |
| **Title** | Fill in the Form |
| **Requirement** | The Coordinator shall be able to fill the form and submit the data for updation of the Enrollment Semester. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to fill in the update form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-133 |
| **Title** | Select Submit Button |
| **Requirement** | The Coordinator shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-134 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-135 |
| **Title** | Select Enable Enrollment Semester Button |
| **Requirement** | The system shall change the status change of the selected Enrollment Semester to enabled |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow coordinators to enroll students into the specific semesters offering courses. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-136 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-137 |
| **Title** | Select Disable Enrollment Semester Button |
| **Requirement** | The system shall change the status change of the selected Enrollment Semester to disabled. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow coordinators to enroll students into the specific courses offered in the enabled semester. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-138 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-139 |
| **Title** | Select Update Section Button |
| **Requirement** | The Coordinator shall be able to update a Section. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to update the Section |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-140 |
| **Title** | Fill in the Form |
| **Requirement** | The Coordinator shall be able to fill the form and submit the data for updation of the Section details. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to fill in the update form. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-141 |
| **Title** | Select Submit Button |
| **Requirement** | The Coordinator shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-142 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-143 |
| **Title** | Display Updated Section |
| **Requirement** | The system shall be able to display the updated section details. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the coordinator to view the updated section details. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-144 |
| **Title** | Select Register Button |
| **Requirement** | The Coordinator shall be able to register an applicant as a student. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to register a student. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-145 |
| **Title** | Fill in the Form |
| **Requirement** | The Coordinator shall be able to fill the form and submit the data for registration of students. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to fill in the Registration Form for students. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-146 |
| **Title** | Select Submit Button |
| **Requirement** | The Coordinator shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-147 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-148 |
| **Title** | Select Create Section Button |
| **Requirement** | The Coordinator shall be able to create a section for the enrollment of students. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the courses to be taught in their respective sections. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-149 |
| **Title** | Fill in the Form |
| **Requirement** | The Coordinator shall be able to fill the form and submit the data for creation of the section. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the Coordinator to create the section for courses to be offered in them. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-150 |
| **Title** | Select Submit Button |
| **Requirement** | The Coordinator shall be able to submit the data filled in the form. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow the user to submit all the data online. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-151 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Raja Shaiyan Azad Khan |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

### FRS Module:4

|  |  |
| --- | --- |
| **Identifier** | FR-152 |
| **Title** | Generate student schedule |
| **Requirement** | The admin shall be able to generate daily schedule and class routine. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to arrange meeting logs accurately on the availability time of faculty as well as students. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-153 |
| **Title** | View Student Schedule |
| **Requirement** | The faculty shall be able to view students daily schedule and class routine. |
| **Source** | Iqra Fareed |
| **Rationale** | To view the arranged meeting logs accurately on the availability time of faculty as well as students. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-154 |
| **Title** | Schedule Meetings |
| **Requirement** | The admin shall be able to schedule meetings with their co-workers, admins or other students |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to resolve any queries. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-155 |
| **Title** | Schedule Tasks |
| **Requirement** | The admin shall be able to schedule tasks that are to be completed as a faculty in due time. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to make students time table |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-156 |
| **Title** | Change Classroom |
| **Requirement** | The Admin will be able to change classroom details in timetable |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to change classroom |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-157 |
| **Title** | Change Timeslot |
| **Requirement** | The Admin will be able to change time slot details in timetable |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to change timeslot |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-158 |
| **Title** | Change Event |
| **Requirement** | The Admin will be able to change the event or course name for which they are setting the schedule |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to change event |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-159 |
| **Title** | Delete Classroom |
| **Requirement** | The Admin will be able to delete classroom details in timetable |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to delete classroom |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-160 |
| **Title** | Delete Timeslot |
| **Requirement** | The Admin will be able to delete timeslot details in timetable |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to delete timeslot |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-161 |
| **Title** | Delete Event |
| **Requirement** | The Admin will be able to delete Event details in timetable |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to delete event |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

### FRS Module 5

|  |  |
| --- | --- |
| **Identifier** | FR-161 |
| **Title** | Add Assignment Marks |
| **Requirement** | The Faculty will be able to add marks to the students for each subject’s assignments |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-162 |
| **Title** | Edit Assignment Marks |
| **Requirement** | The Faculty will be able to edit marks to the students for each subject’s assignments |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-163 |
| **Title** | Add quiz Marks |
| **Requirement** | The Faculty will be able to add marks to the students for each subject’s quiz |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-164 |
| **Title** | Edit quiz Marks |
| **Requirement** | The Faculty will be able to edit marks to the students for each subject’s quiz |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-165 |
| **Title** | Add Mid Marks |
| **Requirement** | The Faculty will be able to add midterm marks to the students for each subject’s midterm |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-166 |
| **Title** | Edit Mid Marks |
| **Requirement** | The Faculty will be able to add midterm marks to the students for each subject’s midterm |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-167 |
| **Title** | Add Project Marks |
| **Requirement** | The Faculty will be able to add project marks to the students for each subject’s project |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-168 |
| **Title** | Edit Project Marks |
| **Requirement** | The Faculty will be able to edit project marks to the students for each subject’s project |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-169 |
| **Title** | Add Final Marks |
| **Requirement** | The Faculty will be able to add final marks to the students for each subject’s final |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-170 |
| **Title** | Edit Final Marks |
| **Requirement** | The Faculty will be able to edit final marks to the students for each subject’s final |
| **Source** | Iqra Fareed |
| **Rationale** | To make it easy for the user to enter data |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-171 |
| **Title** | Delete Marks |
| **Requirement** | The faculty member shall be able to delete marks sometimes by mistake the enter marks on the wrong site , or any other mistake can occur in this situation, so It is necessary for the user to have the facility to delete data. |
| **Source** | Iqra Fareed |
| **Rationale** | To give margin a mistake to the user |
| **Business Rule** | Marks can only be deleted before deadline of submission of result. |
| **Dependencies** | FR-66 |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-172 |
| **Title** | Import CSV File |
| **Requirement** | The faculty shall be able to import CSV files containing students record for each term after each term has finished or during that term. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to maintain student’s information in the CMS for evaluation purposes. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-173 |
| **Title** | Upload Assignment |
| **Requirement** | The user shall be able to upload Assignment based on which user shall be able to mark assessments. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the faculty to make marks available for evaluation. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-174 |
| **Title** | Upload Lectures |
| **Requirement** | The user shall be able to upload Lectures on which their assessments are based. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the faculty to make study material for the students. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

### FRS Module 6

|  |  |
| --- | --- |
| **Identifier** | FR-175 |
| **Title** | Add student’s Information |
| **Requirement** | The admin shall be able to add students to the selected.  The system shall only display the students who are eligible to be allocated the course i.e., they have passed the pre-req etc |
| **Source** | Iqra Fareed |
| **Rationale** | To let the admin, select and add students who are eligible. |
| **Business Rule** | Only students who fulfill eligibility criteria are being added to the list. |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-176 |
| **Title** | Update Profile |
| **Requirement** | The admin shall be able to update student’s profile |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to update their personal information |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-177 |
| **Title** | Insert Details |
| **Requirement** | The user shall be able to insert the student’s information |
| **Source** | Iqra Fareed |
| **Rationale** | To allow preparation of the course details for teaching timeline. |
| **Business Rule** | The teacher shall not be able to view and insert details of courses not allocated to him/her. |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-178 |
| **Title** | Maintain data |
| **Requirement** | The admin shall be able to keep backup/ maintain data by uploading data to the CMS. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to keep a record of a student's academic career for each semester. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-179 |
| **Title** | Add to database |
| **Requirement** | The system shall enter all the information gather from the person into the database to store that information permanently |
| **Source** | Iqra Fareed |
| **Rationale** | To make sure that the information submitted by the user is authentic system shall apply a verification test |
| **Business Rule** | None. |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-180 |
| **Title** | Delete Record from Database |
| **Requirement** | The system shall delete the record from the database. |
| **Source** | Iqra Fareed |
| **Rationale** | To update the deleted record in the database as well. |
| **Business Rule** | Only the main admin can delete the record |
| **Dependencies** | FR-16 |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-181 |
| **Title** | Display Students |
| **Requirement** | The admin shall be able to view the list of students. |
| **Source** | Iqra Fareed |
| **Rationale** | To let the admin have a list of students to easily perform actions of registering a course or to print out a list of the students of the semester. |
| **Business Rule** | Only registered students in the merit list will be displayed onto the portal. |
| **Dependencies** | FR-16 |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-182 |
| **Title** | View Student Profile |
| **Requirement** | The faculty shall be able to view students information like previous academic record and other extra curricular activities performed by them. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to evaluate students performance throughout his degree. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-183 |
| **Title** | View All Student Profile |
| **Requirement** | The admin shall be able to view students information like previous academic record and other extra curricular activities performed by them. |
| **Source** | Iqra Fareed |
| **Rationale** | To allow the user to evaluate students performance throughout his degree. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

### FRS Module 7:

|  |  |
| --- | --- |
| **Identifier** | FR-184 |
| **Title** | Register Faculty |
| **Requirement** | The admin shall be able to select on the register faculty button. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to register faculty. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-185 |
| **Title** | Form with Fields |
| **Requirement** | The admin shall be able to view a form with fields required to register the faculty. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to register faculty. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-186 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-187 |
| **Title** | Create Profile |
| **Requirement** | The faculty will be able to create his/her profile. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create his/her profile. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-188 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-189 |
| **Title** | Edit Profile |
| **Requirement** | The faculty will be able to edit his/her profile. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to edit his/her profile. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-190 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-191 |
| **Title** | View Profile |
| **Requirement** | The faculty will be able to view his/her profile. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to view his/her profile. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-192 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-193 |
| **Title** | Faculty Member Board |
| **Requirement** | The user will be able to select “Faculty Member” button on dashboard |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to view his/her profile. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-194 |
| **Title** | Profile of Faculty Member |
| **Requirement** | The faculty will be able to view profiles of all faculty members. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to view his/her profile. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-195 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-196 |
| **Title** | Delete Profile |
| **Requirement** | The user will be able to delete a profile |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to view his/her profile. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-197 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-198 |
| **Title** | Add Research Paper |
| **Requirement** | The faculty will be able to add research papers |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-199 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-200 |
| **Title** | Add Education |
| **Requirement** | The faculty will be able to add education |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-201 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-202 |
| **Title** | Add Experience |
| **Requirement** | The faculty will be able to add experience |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-203 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-204 |
| **Title** | View Calendar |
| **Requirement** | The faculty will be able to view his/her calendar |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-205 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-206 |
| **Title** | View Evaluation Result of Self |
| **Requirement** | The faculty will be able to view his/her evaluation result |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-207 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-208 |
| **Title** | View Attendance |
| **Requirement** | The faculty will be able to view his/her attendance |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-209 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-210 |
| **Title** | View Teaching Schedule |
| **Requirement** | The faculty will be able to view his/her teaching schedule as assigned by the admin. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-211 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-212 |
| **Title** | Add event |
| **Requirement** | The faculty will be able to add an event to the calendar |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-213 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-214 |
| **Title** | Delete event |
| **Requirement** | The faculty will be able to delete an event to the calendar |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-215 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-216 |
| **Title** | View Evaluation Report of All Faculty |
| **Requirement** | The user will be able to evaluate reports of all the faculty members. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to add research papers |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-217 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

### FRS Module 8:

|  |  |
| --- | --- |
| **Identifier** | FR-218 |
| **Title** | Suggestion Button |
| **Requirement** | The user selects “Suggestion” button. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-219 |
| **Title** | Entering Information |
| **Requirement** | The system prompts the user to enter his/her name, email, suggestion. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-220 |
| **Title** | Entering the Fields |
| **Requirement** | The user enters the fields required. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-221 |
| **Title** | Update Information |
| **Requirement** | System asks the user if he/she wants to update |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-222 |
| **Title** | Selecting Option |
| **Requirement** | The user selects NO |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-223 |
| **Title** | Confirmation for Mail |
| **Requirement** | The system asks the user if he/she wants to send mail. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-224 |
| **Title** | Selecting Option |
| **Requirement** | The user select YES |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-225 |
| **Title** | Sending Mail |
| **Requirement** | The system send the mail |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-226 |
| **Title** | System Help |
| **Requirement** | The system asks the user if he/she needs help with anything else. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to give a suggestion |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-227 |
| **Title** | Complain Button |
| **Requirement** | The user selects “Complain” button. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-228 |
| **Title** | Entering Information |
| **Requirement** | The system prompts the user to enter his/her name, email, suggestion. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-229 |
| **Title** | Entering the Fields |
| **Requirement** | The user enters the fields required. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-230 |
| **Title** | Update Information |
| **Requirement** | System asks the user if he/she wants to update |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-231 |
| **Title** | Selecting Option |
| **Requirement** | The user selects NO |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-232 |
| **Title** | Confirmation for Mail |
| **Requirement** | The system asks the user if he/she wants to send mail. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-233 |
| **Title** | Selecting Option |
| **Requirement** | The user select YES |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-234 |
| **Title** | Sending Mail |
| **Requirement** | The system send the mail |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-235 |
| **Title** | System Help |
| **Requirement** | The system asks the user if he/she needs help with anything else. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to file a complaint. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-236 |
| **Title** | Find a Page Button |
| **Requirement** | User selects ‘Find a Page’ button |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to find a page. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-237 |
| **Title** | Set of Pages |
| **Requirement** | System shows a set of pages. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to find a page. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-238 |
| **Title** | Selecting Option |
| **Requirement** | User selects the page he/she wants to find |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to find a page. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-239 |
| **Title** | Redirection |
| **Requirement** | System redirects the user to the page. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow the user to find a page. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

### FRS Module 9:

|  |  |
| --- | --- |
| **Identifier** | FR-240 |
| **Title** | Fill a Performa |
| **Requirement** | The faculty will be able to fill a Performa in order to generate results. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-241 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-242 |
| **Title** | Report of Students button |
| **Requirement** | The faculty will be able to select on generate report of Students button |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-243 |
| **Title** | Type of Report |
| **Requirement** | The faculty will be able to select the type of report to generate |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-244 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-245 |
| **Title** | Faculty Button |
| **Requirement** | The faculty will be able to select on generate report of Faculty button |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-246 |
| **Title** | Report to Generate |
| **Requirement** | The faculty will be able to select selects the type of report to generate |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-247 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-248 |
| **Title** | Upload Results |
| **Requirement** | The admin will be able to upload the results. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-249 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-250 |
| **Title** | Change Graph Type |
| **Requirement** | The admin will be able to change the graph types of the reports generated.v |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-251 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-252 |
| **Title** | View Reports |
| **Requirement** | The user will be able to view the reports |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to create groups |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-253 |
| **Title** | Generate Success Message |
| **Requirement** | The system shall be able to indicate the success of an action performed. |
| **Source** | Noor us Sahar |
| **Rationale** | To allow users to get feedback on completion of an action. |
| **Business Rule (if required)** | N/A |
| **Dependencies** | N/A |
| **Priority** | High |

|  |  |
| --- | --- |
| **Identifier** | FR-254 |
| **Title** | Logout |
| **Requirement** | The system shall logout the user from the application. |
| **Source** | Client |
| **Rationale** | To allow the user to logout from the application. |
| **Business Rule** | None |
| **Dependencies** | None |
| **Priority** | High |

## Non-Functional Requirements

### Usability

|  |  |
| --- | --- |
| **USE-1** | A new user shall be easily able to learn how to use the system after 3-5 times of using. |
| **USE-2** | A trained user shall be able to perform tasks in less than 3 minutes at minimum and 5 minutes maximum depending on the task. |
| **USE-3** | 90 percent of the users shall be able to perform major tasks without requiring any help. |

### Responsiveness

|  |  |
| --- | --- |
| **RESP-1** | The searches performed within the system in any module will take no more than 2 seconds to process. |
| **RESP-2** | Any request in the system will be completed within 4 seconds. |
| **RESP-3** | The verification code will be sent within 3 seconds after the user has submitted the form in the account creation page. |
| **RESP-4** | The update of records in the database will not take more than 2 seconds. |
| **RESP-5** | Retrieval of data from the database will not take more than 2 seconds. |

### Performance

|  |  |
| --- | --- |
| **PER-1** | The searches performed within the system in any module will take no more than 4 seconds to process. |
| **PER-2** | Any request in the system will be completed within 4 seconds. |
| **PER-3** | The verification code will be sent within 3 seconds after the user has submitted the form in the account creation page. |

### Scalability

|  |  |
| --- | --- |
| **SCB-1** | The initial system shall be able to support up to a maximum of 20 users by hosting this application on a cloud hosting platform. |
| **SCB-2** | The initial system shall be able to handle up to 10 concurrent users at a time by hosting this application on a cloud hosting platform. |

### Security

|  |  |
| --- | --- |
| **SEC-1** | The system shall perform hashing of password to protect against unauthorized access. |

### Reliability

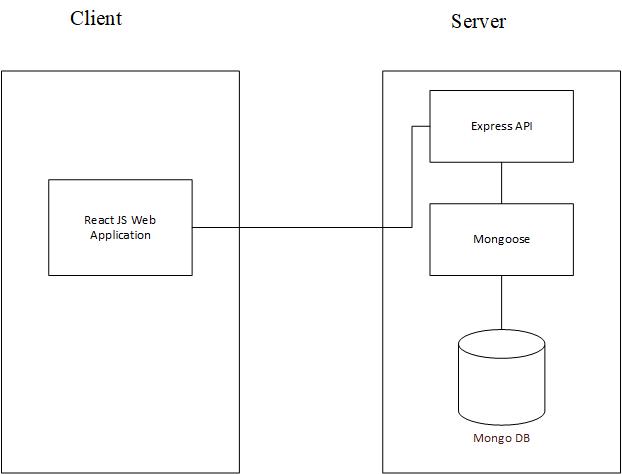
|  |  |
| --- | --- |
| **REL-1** | The system shall be available at least 90 percent of the time by hosting this application on cloud hosting platform. |

# Design and Architecture

The following parts of Software Design Description (SDD) report should be included in this chapter.



## System Architecture



## Data Representation

### Admission

{

sessions: [

{

name: {

type: String

},

startDate: {

type: Date

},

endDate: {

type: Date

},

timeStamp: {

type: Date,

default: Date.now()

},

status: {

type: Boolean,

default: true

},

meritList: [

{

applicantId: {

type: mongoose.Schema.Types.ObjectId,

ref: 'applicant'

}

}

],

notification: {

type: String

}

}

],

fee: {

amount: {

type: Number

},

feePaid: {

type: Boolean,

default: false

}

}

}

### Announcement

{

feeds: [

{

name: {

type: String

},

message: {

type: String

},

startDate: {

type: Date

},

endDate: {

type: Date

},

status: {

type: Boolean,

default: true

}

}

]

}

### Applicant

{

// To keep track who is the actual user account associated with application object

user: {

type: mongoose.Schema.Types.ObjectId,

ref: 'user'

},

// To keep track of what type of applicant the user is i.e. Bachelors or Masters

type: {

type: Number

},

// To keep track of status of applicant form

status: {

type: Number,

default: 0

},

personalDetails: {

name: {

type: String

},

fatherName: {

type: String

},

email: {

type: String

},

// CNIC should remain like previous

cnic: {

number: {

type: String

},

frontPicture: {

type: String

},

backPicture: {

type: String

}

},

avatar: {

type: String

},

address: {

type: String

},

placeOfBirth: {

type: String

},

dateOfBirth: {

type: Date

},

phoneNumber: {

type: String

},

domicile: {

type: String

}

},

incomeDetails: {

monthlyIncome: {

type: Number

},

minimumYearlyIncome: {

type: Number

}

},

educationDetails: {

// Here is the details of the secondary education

secondaryEducationDetails: {

type: {

type: Number

},

institute: {

type: String

},

fieldOfStudy: {

type: String

},

from: {

type: Number

},

to: {

type: Number

},

obtainedMarks: {

type: Number

},

totalMarks: {

type: Number

},

picture: {

type: String

}

},

// Here is the details of the intermediate education

intermediateEducationDetails: {

type: {

type: Number

},

institute: {

type: String

},

fieldOfStudy: {

type: String

},

from: {

type: Number

},

to: {

type: Number

},

obtainedMarks: {

type: Number

},

totalMarks: {

type: Number

},

picture: {

type: String

}

},

// Here is the details of the bachelor education

bachelorEducationDetails: {

institute: {

type: String

},

fieldOfStudy: {

type: String

},

from: {

type: Number

},

to: {

type: Number

},

cgpa: {

type: Number

},

picture: {

type: String

}

},

ntsMarks: {

type: Number

},

universityTestScore: {

type: Number

},

totalAggregate: {

type: Number

}

},

appliedPrograms: [

{

programme: {

type: mongoose.Schema.Types.ObjectId,

ref: 'programme'

}

}

],

registeredCourses: [

{

course: {

type: mongoose.Schema.Types.ObjectId,

ref: 'course'

}

}

],

timeStamp: {

type: Date,

default: Date.now()

},

applicantVerified: {

type: Boolean,

default: false

},

applicantDiscarded: {

type: Boolean,

default: false

},

applicantForwarded: {

type: Boolean,

default: false

},

applicationForwarded: {

type: Boolean,

default: false

},

admission: {

type: mongoose.Schema.Types.ObjectId,

ref: 'admission'

},

feeDetails: {

challanPicture: {

type: String,

default: null

},

amountPaid: {

type: Number,

default: 0

}

},

isStudent: {

type: Boolean,

default: false

}

}

### Course

{

name: {

type: String,

required: true

},

description: {

type: String,

required: true

},

creditHours: {

type: Number,

default: 0

},

fee: {

type: Number,

default: 0

},

category: {

type: Number

},

type: {

type: Number

},

compulsory: {

type: Boolean,

default: true

},

preRequisite: {

type: String,

default: null

},

minimumAttendanceRequiredForTerminals: {

type: Number,

default: 0

},

courseLearningOutcomes: {

type: String,

required: true

},

programLearningOutcomes: {

type: String,

required: true

},

isOffered: {

type: Boolean,

default: true

},

isCompleted: {

type: Boolean,

default: false

},

lectures: {

totalLectures: {

type: Number,

default: 0

},

lecturesTakenFaculty: {

type: Number,

default: 0

},

lecturesTakenStudent: {

type: Number,

default: 0

}

},

assignments: {

totalAssignments: {

type: Number,

default: 0

},

assignmentsTaken: {

type: Number,

default: 0

}

},

quizes: {

totalQuizes: {

type: Number,

default: 0

},

quizesTaken: {

type: Number,

default: 0

}

},

midTerms: {

totalMidTerms: {

type: Number,

default: 0

},

midTermsTaken: {

type: Number,

default: 0

}

},

labs: {

totalLabs: {

type: Number,

default: 0

},

labsTakenFaculty: {

type: Number,

default: 0

},

labsTakenStudent: {

type: Number,

default: 0

},

labManual: {

type: String,

default: null

},

labProjectTotalMarks: {

type: Number,

default: 0

},

labTerminalTotalMarks: {

type: Number,

default: 0

}

},

program: {

type: mongoose.Schema.Types.ObjectId,

ref: 'programme'

},

department: {

type: mongoose.Schema.Types.ObjectId,

ref: 'department'

},

section: {

type: mongoose.Schema.Types.ObjectId,

ref: 'section'

}

}

### Department

{

name: {

type: String,

required: true,

},

description: {

type: String,

required: true,

},

}

### Enrollment

{

semesters: [

{

name: {

type: String,

required: true

},

description: {

type: String,

required: true

},

maximumBatchStrength: {

type: Number,

default: 0

},

status: {

type: Boolean,

default: true

},

startDate: {

type: Date

},

endDate: {

type: Date

},

program: {

type: mongoose.Schema.Types.ObjectId,

ref: 'programme'

},

courseList: [

{

courseId: {

type: mongoose.Schema.Types.ObjectId,

ref: 'course'

}

}

],

sectionList: [

{

sectionId: {

type: mongoose.Schema.Types.ObjectId,

ref: 'section'

}

}

]

}

]

}

### Programme

{

name: {

type: String,

required: true

},

description: {

type: String,

required: true

},

duration: {

yearly: {

type: Number,

default: 0

},

semester: {

type: Number,

default: 0

}

},

feePerSemester: {

type: Number,

required: true

},

criteria: {

minPercentageOfEquivalence: {

type: Number

},

minCGPA: {

type: Number

},

categoryOfDegree: {

type: Number

}

},

department: {

type: mongoose.Schema.Types.ObjectId,

ref: 'department'

},

status: {

type: Boolean,

default: true

},

type: {

type: Number

}

}

### Section

{

name: {

type: String,

required: true

},

maximumStrength: {

type: Number,

default: 0

},

currentNumberOfStudents: {

type: Number,

default: 0

},

semester: {

type: mongoose.Schema.Types.ObjectId,

ref: 'enrollment'

}

}

### Student profile

{

user:{

type:mongoose.Schema.Types.ObjectId,

ref:'user'

},

Name:{

type: String,

required: true

},

Program:{

type: String,

required: true

},

fatherName:{

type: String,

required: true

},

registrationNo:{

type: String,

required: true,

unique:true

},

Nationality:{

type: String,

required: true,

},

cnic:{

type:String,

required:true,

unique:true

},

address: {

District: {

type: String,

required:true

},

area: {

type: String,

required:true

},

city: {

type: String,

required:true

}

},

semester:{

type:Number,

required:true

},

section:{

type:String,

required:true

},

dateOfBirth:{

type:Date,

required:true

},

phone\_number: {

type: Number,

required: true,

},

domicile:{

type:String,

required:true

},

school: {

type:String,

required:true

},

college:{

type:String,

required:true

},

Olevels\_matricMarks:{

type: Number,

required: true

},

alevels\_fscMarks:{

type: Number,

required: true

},

feildOfStudy:{

//pre-eng // pre-med

type: String,

required: true

},

yearOfMariculatioin:{

type: Date,

required: true

},

yearOfIntermediate:{

type: Date,

required: true

},

overseasEducation:{

type: String,

},

gpa:{

type:mongoose.SchemaTypes.Decimal128,

required:true

},

cgpa:{

type: mongoose.SchemaTypes.Decimal128,

required:true

},

department:{

type: String,

required:true

},

courses: {

type: [String],

required: true

},

grades:{

type:"String"

}

}

### Survey Forms

{

surveys:

{

type: Object,

required: true

},

publish\_date : {

type : Date

}

,

end\_date :{

type: Date

}

}

### Survey Responses

{

user\_email: {

type: String,

required: true,

},

survey\_id: {

type: String,

required: true,

},

title: {

type: String,

required: true,

},

satisfied: {

type: Number,

required: true,

},

not\_satisfied: {

type: Number,

required: true,

},

neutral: {

type: Number,

required: true,

},

department: {

type: String,

// required: true

},

course: {

type: String,

// required: true

},

response: {

type: Object,

},

}

### User

{

name: {

type: String,

required: true

},

email: {

type: String,

required: true

},

type: {

type: Number,

required: true

},

password: {

type: String,

required: true

},

avatar: {

type: String

},

date: {

type: Date,

default: Date.now()

},

description: {

type: String

},

department: {

type: mongoose.Schema.Types.ObjectId,

ref: 'department'

}

}

### Calendar Event

{

faculty: {

type: mongoose.Schema.Types.ObjectId,

ref: "faculty",

},

event: [

{

title: { type: String, required: true },

start: { type: Date, default: Date.now },

end: { type: Date, default: Date.now }

},

],

}

### Faculty

{

name : {

type : String,

require : true,

},

email : {

type : String,

required : true,

unique : true

},

password : {

type : String,

required : true

}

}

### Faculty Profile

{

faculty: {

type: mongoose.Schema.Types.ObjectId,

ref: "faculty",

},

department :{

type : String

},

phone\_number: {

type: Number,

required: true,

},

designation: {

type: String,

required: true,

},

website :{

type: String

},

address: {

type : String,

// required: true

},

courses\_teaching: {

type: [String],

required: true,

},

bio: {

type: String,

},

date: {

type: Date,

default: Date.now,

},

research\_papers: [

{

title: {

type: String,

required: true,

},

date: {

type: Date,

required: true,

},

author: {

type: [String],

required: true,

},

description: {

type: String,

},

},

],

education : [

{

institute : {

type : String,

required : true

},

degree : {

type : String,

required : true

},

from : {

type :Date,

required : true

},

to : {

type :Date,

},

grade :{

type : String,

required : true

}

}

],

experience : [

{

company : {

type : String,

required : true

},

designation : {

type : String,

required : true

},

from : {

type :Date,

required : true

},

to : {

type :Date,

}

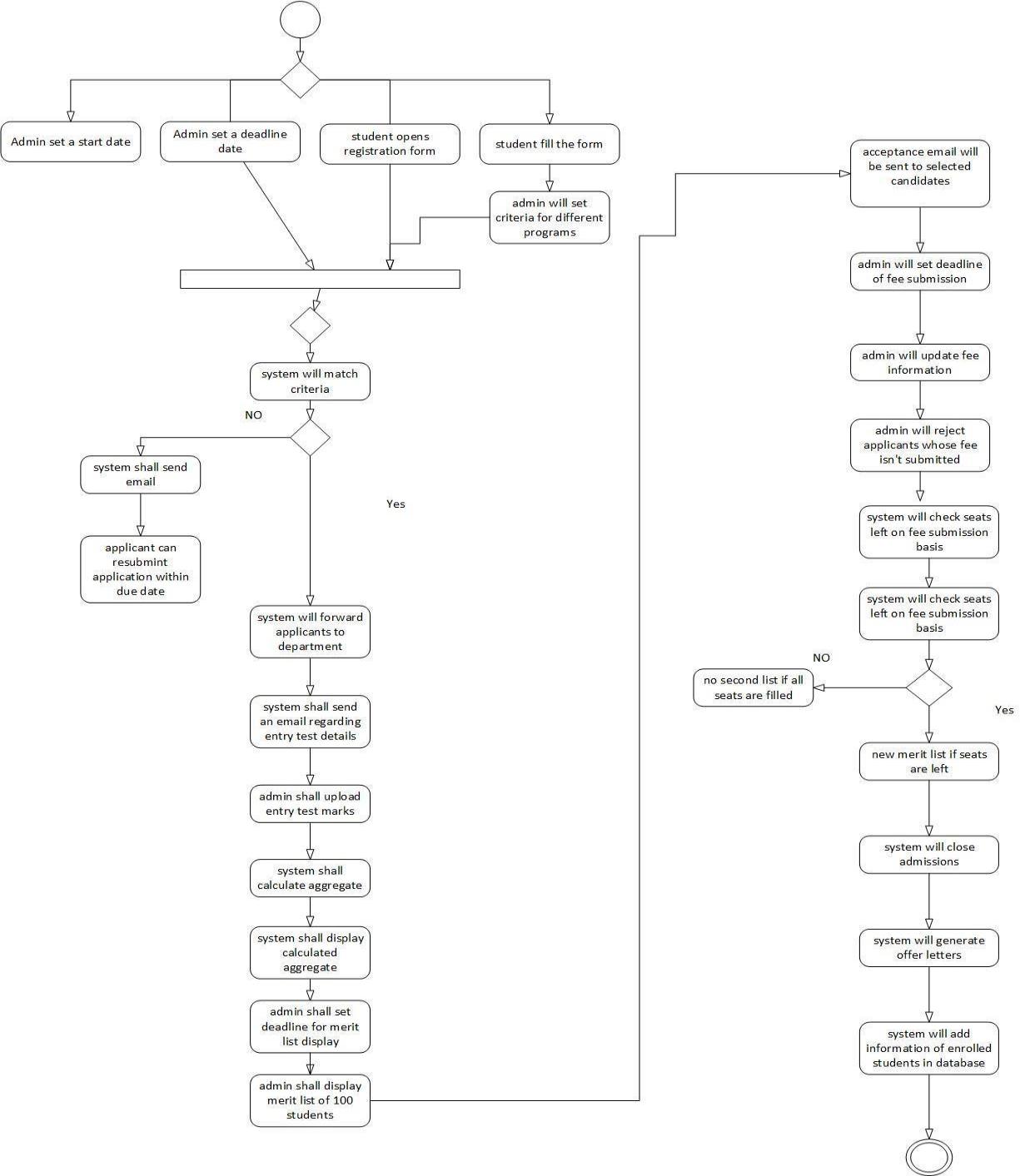
}

]

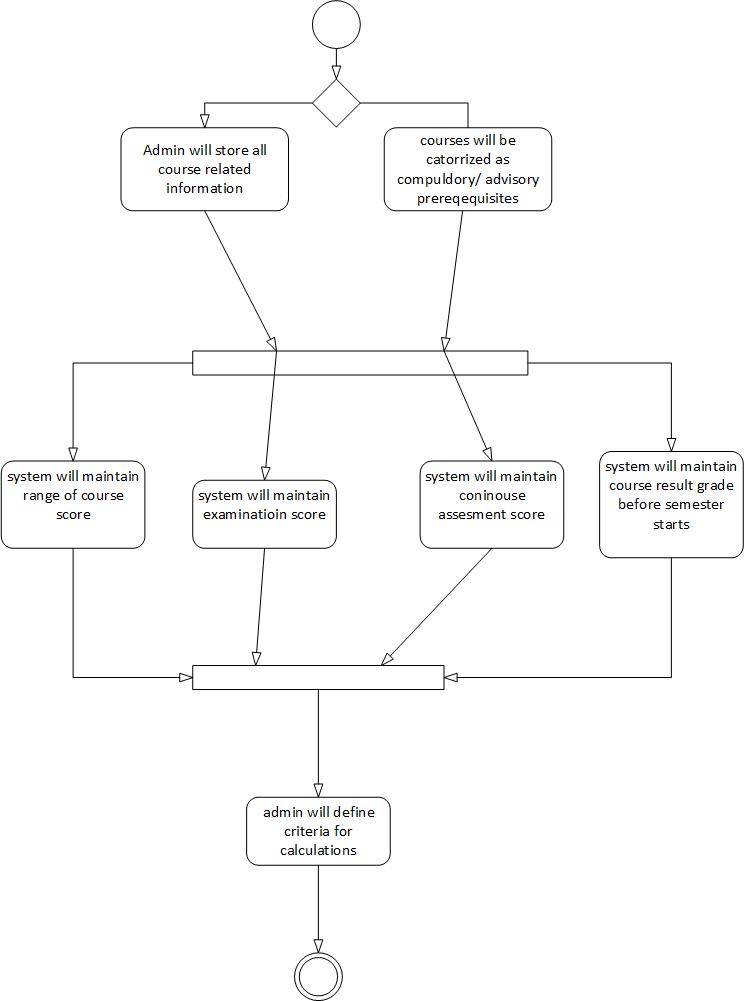
}

## Process Flow/Representation

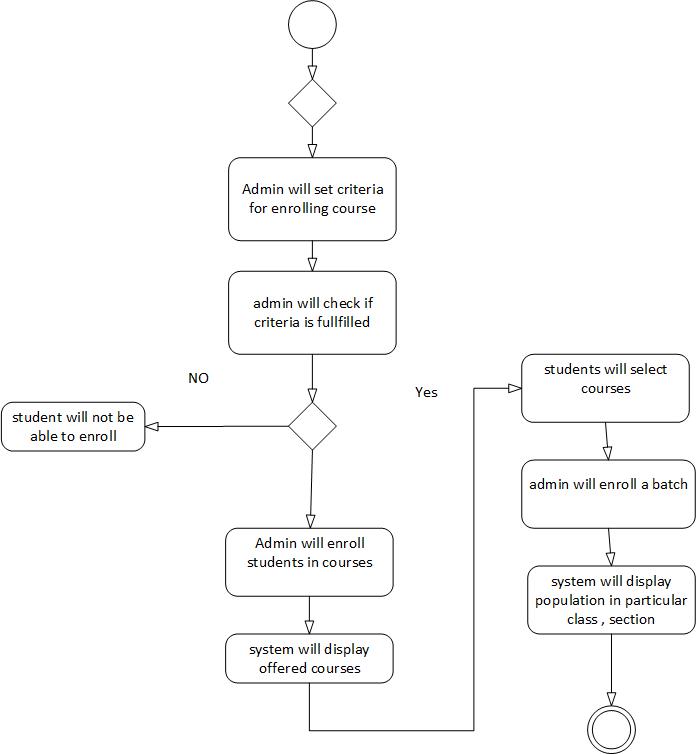
### Admission



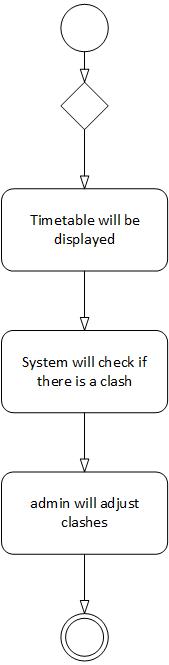
### Maintain Course Detail

****

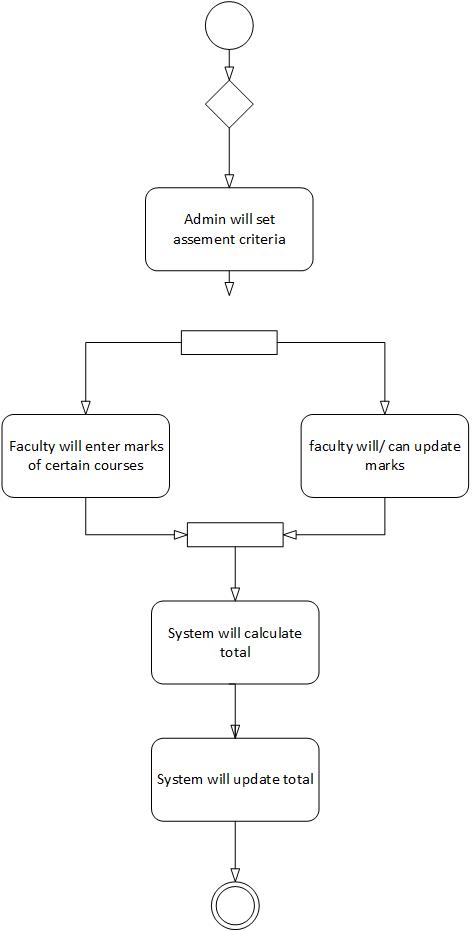
### Enrollment

****

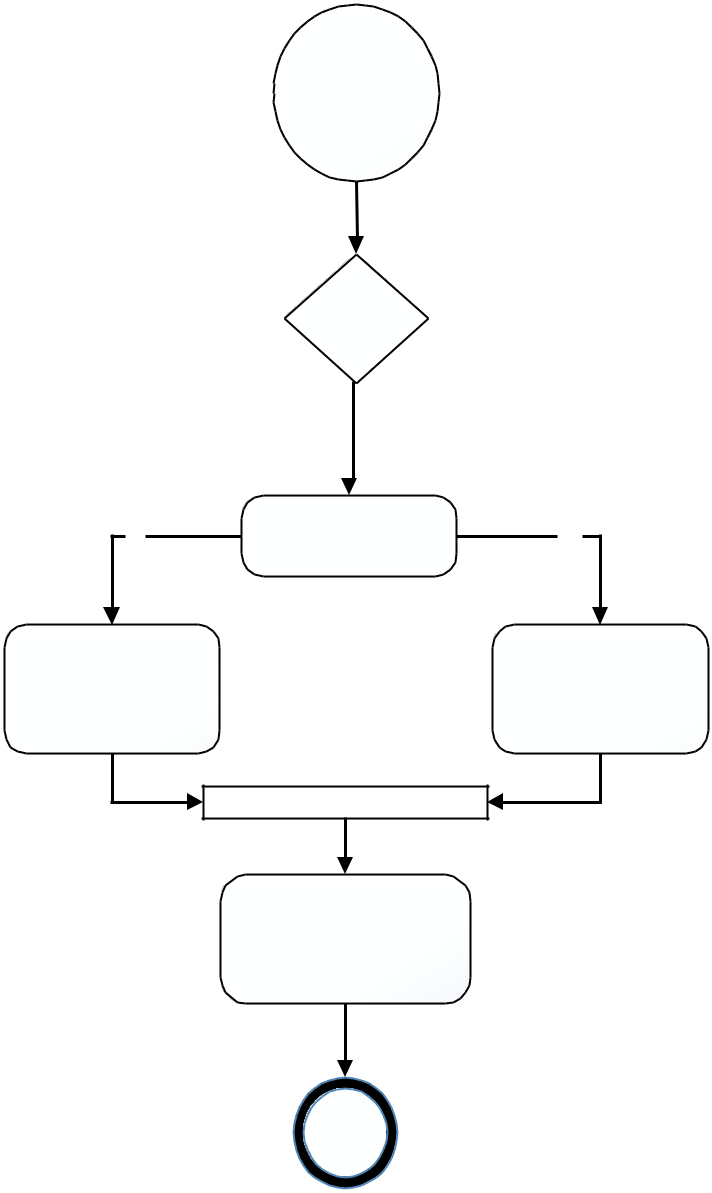
### Class Scheduling

****

### Grading

****

### Student Academic History

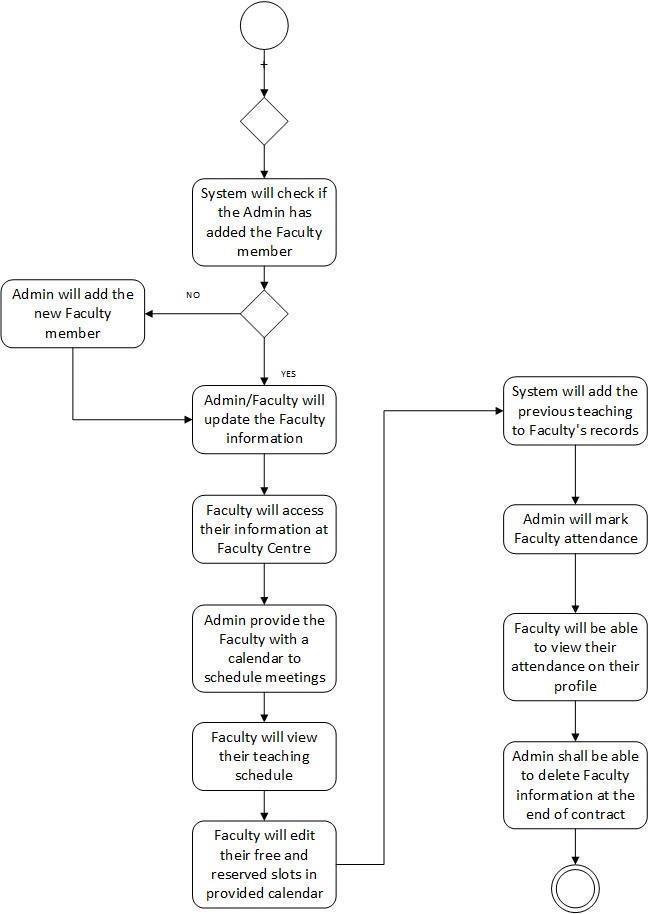
****

|  |  |  |
| --- | --- | --- |
| n | Acedemic | ye |
| record |
|  |  |
| Admin will |  | Admin will |
| add |  | update/ |

Admin will track

and

### Faculty Record

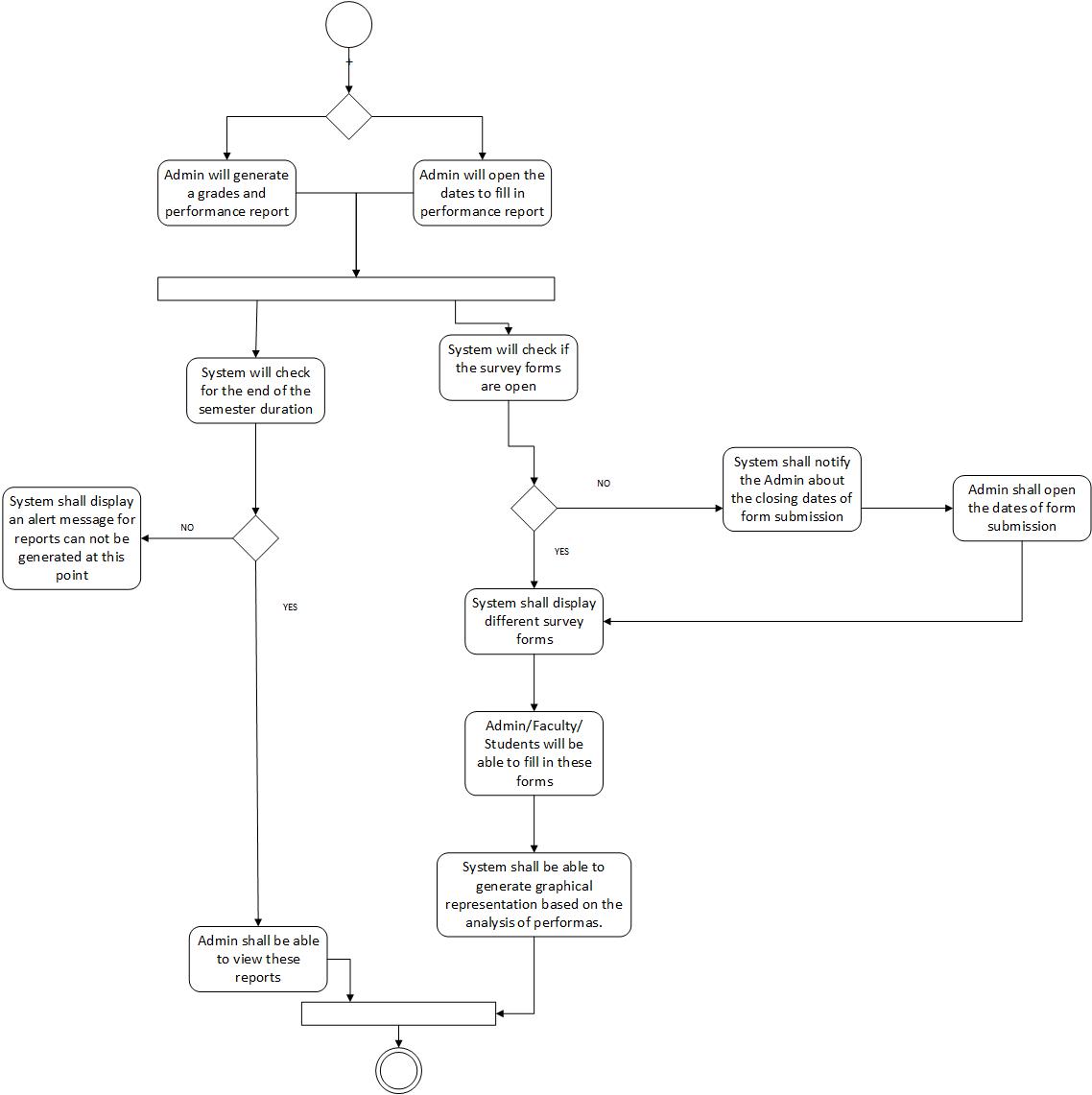
****

### Communication

Diagram

Description automatically generated

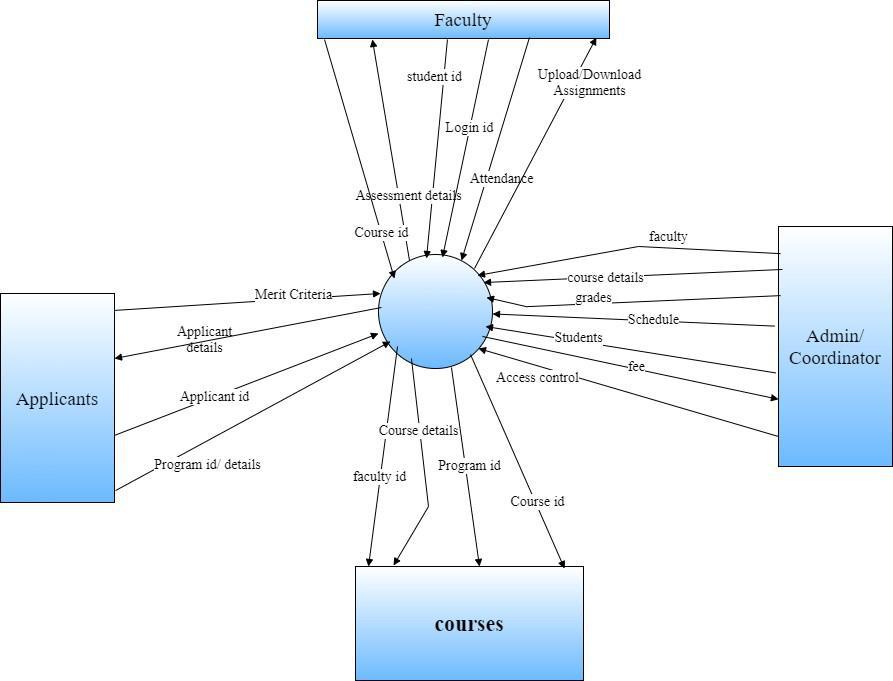
### Report Analysis

****

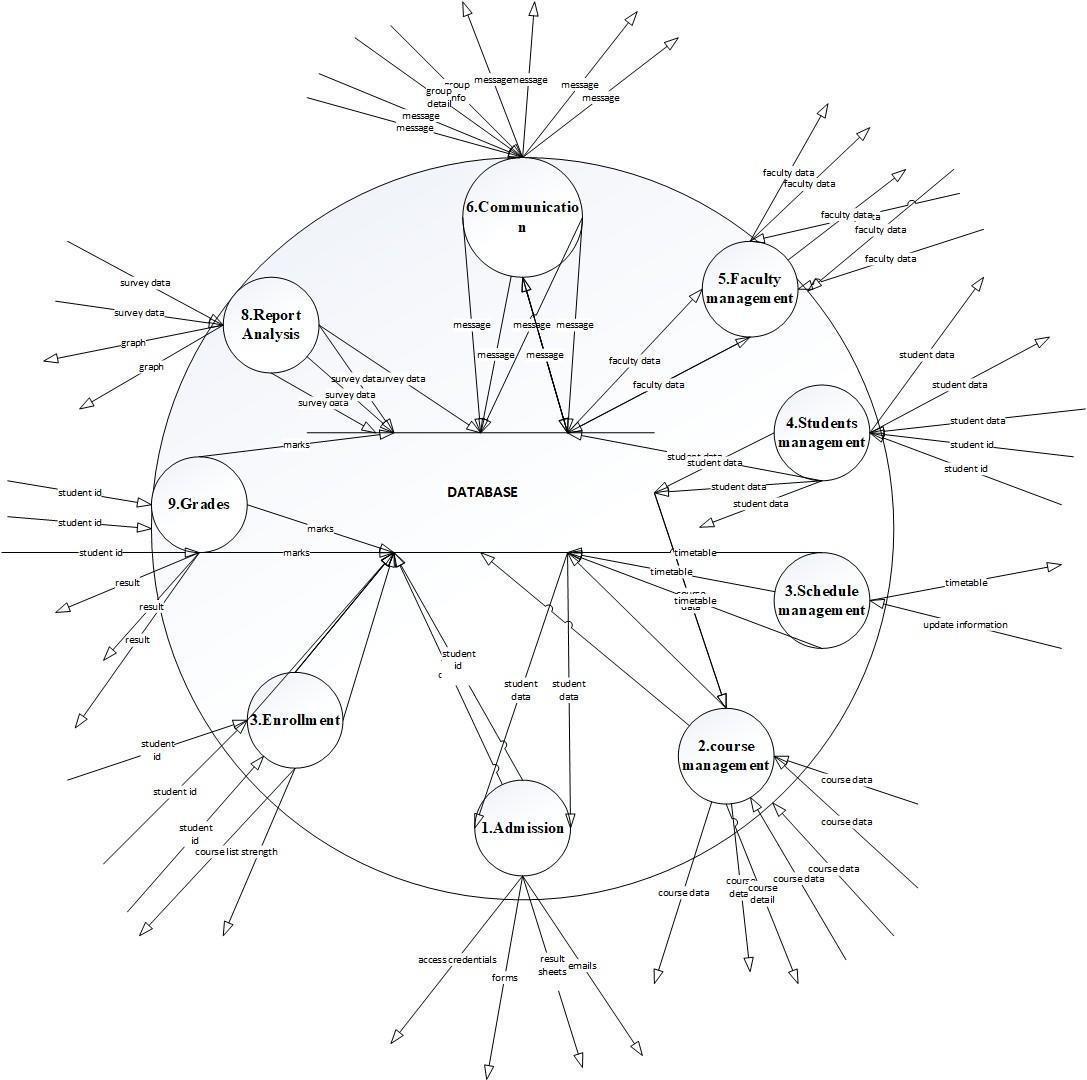
## Design Models

### Structural Diagrams

#### Level 0 DFD



#### Level 1 DFD



#### Level 2 DFD Admission Management

Diagram

Description automatically generated

#### Level 2 DFD Course Management

Diagram

Description automatically generated

#### Level 2 DFD Enrollment Management

Diagram

Description automatically generated

#### Level 2 DFD Timetable Management

Diagram

Description automatically generated

#### Level 2 DFD Grade Management

Diagram

Description automatically generated

#### Level 2 DFD Student academic record

Diagram

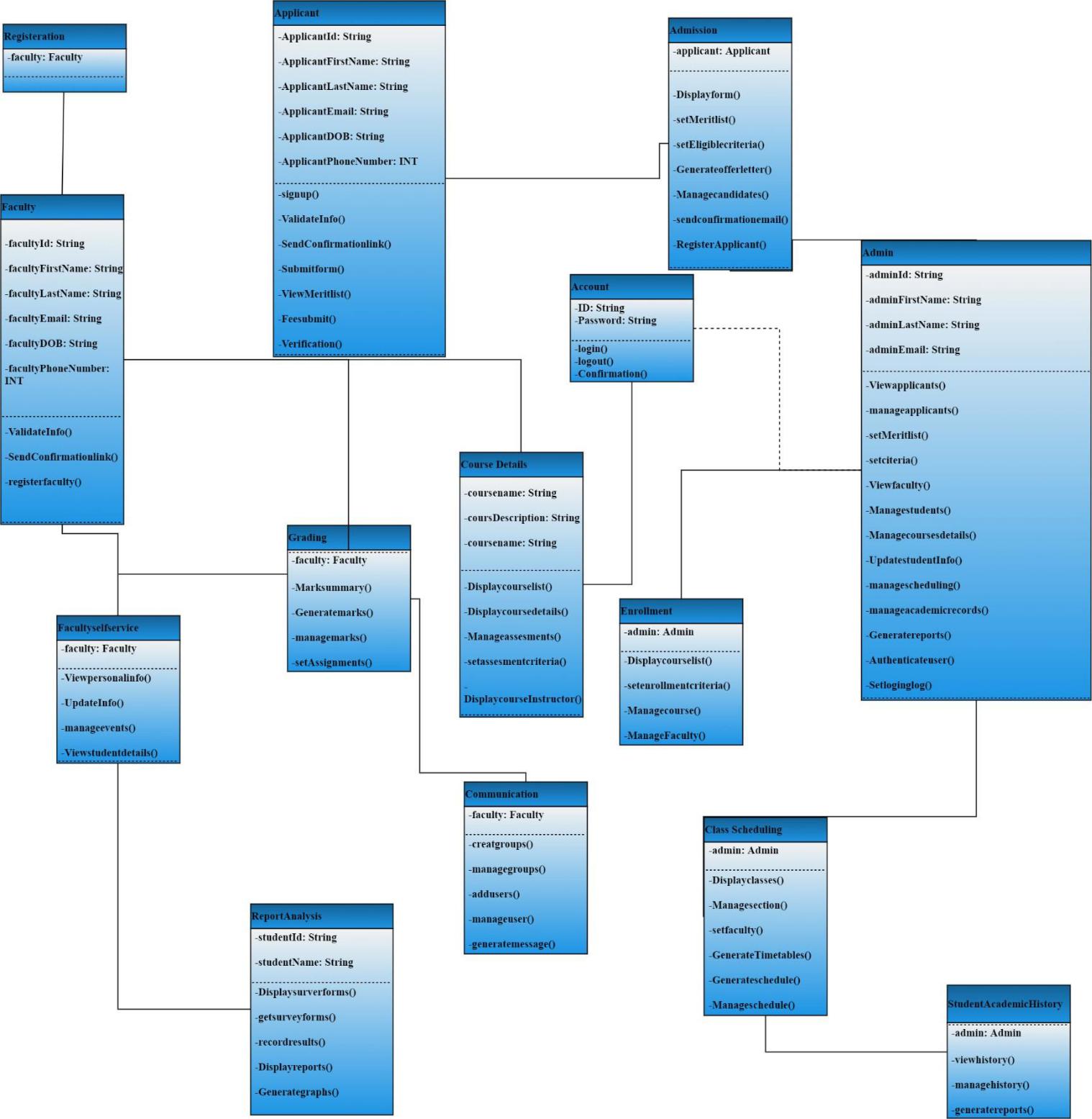
Description automatically generated

#### Level 2 DFD Faculty Management

#### Level 2 DFD Communication Management

Diagram

Description automatically generated



#### Class diagram

### Behavioral Diagrams

This section would present the behavior diagrams that show the dynamic behavior of the objects in a system, which can be described as a series of changes to the system over time.

#### Activity diagram

#### State machine diagram

#### Sequence diagram

#### Communication diagram

#### Interaction Overview diagram

#### Timing Overview diagram

Note this diagram can be used only for hardware related projects.

# Implementation

This chapter will discuss implementation details supported by UML diagrams (if applicable). You will not put your source code here. Any of the following sections may be included based on your project.



## Algorithm

Mention the algorithm(s) used in your project to get the work done with regards to major modules. Provide a pseudocode **OR** a natural language explanation regarding the functioning of main features. Be sure to use the correct syntax and semantics for algorithm representations.

## External APIs

Describe the APIs used in the following table.

**Table 5.1: Details of APIs used in the Project**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of API** | **Description of API** | **Purpose of Usage** | **List down the function/class name in which it is used** |
|  |  |  |  |
|  |  |  |  |

## User Interface

Details about user interface with descriptions will be presented in this section.

# Testing and Evaluation

This chapter may include the following sections. (Students are required to perform the testing both manually and automatedly).



## Manual Testing

### Unit Testing

**Unit Testing 1:** Login as FYP Committee

**Testing Objective:** To ensure the login form is working correctly.

**Test Case Id:** BU\_001

**Test Case Description:** Test the login functionality.

**Test Scenario:** Verify on entering valid username and password, the user can login.

**Table 6.1: Test Cases for Login**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Test Case/Test Script** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail/Not Executed/ Suspended** |
| 1. | Verify user login after click on the ‘Login’ button on login form with correct input data | Username:  L001  Password:  1234 | Successfully log into the main page of the system as FYP Committee member. | As Expected | Pass |
| 2. |  |  |  |  |  |

**Unit Testing 2:** Edit Profile

**Testing Objective:** To ensure the edit profile form is working properly.

**Test Case Id:** BU\_002

**Test Case Description:** Test the edit profile functionality.

**Test Scenario:**

**Table 6.2: Test Cases for Edit Profile**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Test Case/Test Script** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail/Not Executed/ Suspended** |
| 1. | Verify user login after click on the ‘Login’ button on login form with correct input data | Username:  L001  Password:  1234 | Successfully log into the main page of the system as FYP Committee member. | As Expected | Pass |
| 2. |  |  |  |  |  |

### Functional Testing

The functional testing will take place after the unit testing. In this functional testing, the functionality of each of the module is tested. This is to ensure that the system produced meets the specifications and requirements.

**Functional Testing 1:** Login with different roles

**Test Objective**: To ensure that the correct page with the correct navigation bar is loaded.

**Test Case Id:** BU\_003

**Test Case Description:**

**Test Scenario:**

**Table 6.3: Test Cases for Login with different Roles**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Test Case/Test Script** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail/Not Executed/ Suspended** |
| 1. | Login as the ‘Admin’. | Username: beyondtalkadmin  Password: admin12345 | Home page for the admin is loaded. | Login as a ‘Admin’. | Pass |
| 2. | Login as a ‘Customer’. | Username:samia  Password:abc123@ | Home page for the customer is loaded. | Login as a ‘Customer’. | Pass |
| 3. | Login as an ‘Employee’. | Username:nushmia  Password:abc123@ | Home page for the employee is loaded. | Login as an ‘Employee’ | Pass |

### Integration Testing

Please specify the type of applied integration strategy, i.e. top down, bottom up. Also, elaborate the applied integration strategy.

**Table 6.4: Test Cases for Integration Testing of Unit X**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Test Case/Test Script** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail/Not Executed/ Suspended** |
| 1. | Login as “FYP Committee” member | Username: L001  Password: 1234 | Login successful and the FYP Committee page with its navigation bar is loaded and in the view profile page | As Expected | Pass |
| 2. | Upload student record for Project 1 | - | File successfully uploaded and return to the upload page. Student records are updated. | As Expected | Pass |
| 3. | View supervising student | - | The list of supervisees shown on the screen. | As Expected | Pass |
| 4. |  |  |  |  |  |

### System Testing

Once the system has been successfully developed, testing has to be performed to ensure that the system working as intended. This is also to check that the system meets the requirements stated earlier. Besides that, system testing will help in finding the errors that may be hidden from the user. There are few types of testing which includes the unit testing, functional testing and integration testing. The testing must be completed before it is being deploy for user to use.

## Automated Testing:

This section will discuss the testing tools used to automatically test the targeted project.

**Table 6.5: Tools employed for Automated Testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tool Name** | **Tool Description** | **Applied on [list of related Test Cases / FR / NFR]** | **Results** |
|  |  |  |  |
|  |  |  |  |

# Conclusion and Future Work

This chapter concludes the project and highlights future work.



## Conclusion

This section will summarize that how your project successfully solves the targeted problem. You may summarize your key project results in a few sentences and use this summary to support your conclusion. Also, include key facts from literature to explain your results as needed.

## Future Work

This section will help in explaining the readers where you think the results can lead you. What do you think are the next steps to take? Do you think certain paths seem to be more promising than others?

This section should be petty short. The goal should not be to go into a bunch of details, but instead just a sentence or two explaining each idea. It should just provide enough information as to a possible further development path and why the path may be important.

# References

References to any book, journal paper or website should properly be acknowledged. Please consistently follow the style. The following are few examples of different resources i.e. journal article, book, and website.

* 1. Lyda M.S. Lau, Jayne Curson, Richard Drew, Peter Dew and Christine Leigh, (1999), Use Of VSP Resource Rooms to Support Group Work in a Learning Environment, ACM 99, pp-2. **(Journal paper example)**
  2. Hideyuki Nakanishi, Chikara Yoshida, Toshikazu Nishmora and TuruIshada, (1996), FreeWalk: Supporting Casual Meetings in a Network, pp 308-314 **(paper on web)** http://www.acm.org/pubs/articles/proceedings/cscw/240080/p308-nakanishi.pdf
  3. Ali Behforooz& Frederick J.Hudson, (1996), Software Engineering Fundamentals, Oxford University Press. Chapter 8, pp255-235. **(book reference example)**
  4. Page Author, Page Title, http://www.bt.com/bttj/archive.htm, Last date accessed**. (web site)**