Academic Affairs System

Group Members

1. Abhimanyu Negi - 202001080
2. Sumit Vaniya - 202001085
3. Jayraj rathwa - 202001102
4. Darsh Gopani - 202001065
5. Yash Chauhan - 202001082
6. Shubh Golus - 202001077
7. Nandini Chaudhary - 202001090
8. Kush Shah - 202001104
9. Isha Popat - 202001095

Features

ADMIN

1. Add/Drop Information of Students into the database
2. Add/Drop Information of Faculty into the database
3. Broadcast Announcements - Generalized
4. Password allocation for new users

FACULTY

1. Course Reports - For Faculty
2. Maintaining Course information and Content

STUDENTS

1. Grade Tracking & Transcript Report
2. Course Reports - Individual Student
3. Fees Receipt Report
4. Attendance Tracker
5. Modify Personal Information & Achievements
6. Feedback system

Functional Requirements

1. Add/Drop Information of Students into the database
2. Add/Drop Information of Faculty into the database
3. Broadcast Announcements - Generalized
4. Course Reports - For Faculty

5. Maintaining Course information and Content
6. Grade Tracking & Transcript Report
7. Course Reports - Individual Student
8. Fees Receipt Report
9. Attendance Tracker
10. Modify Personal Information & Achievements
11. Password allocation for new users
12. Course Feedback system

Non-Functional Requirements

Accessibility and Ease of Use

- A Web application with simple and interactive user experience.

Performance

- The system should be able to perform all the desired functions in a very short period of time.
- The system should be able to handle a large number of simultaneous users.
- It should be able to handle and process multiple requests simultaneously.

Reliability

- In case of a server failure, the system should recover in a short span of time without losing the previously held data.
- The System should perform all the operations as expected from them with great accuracy.

Security

- The system should validate if the user is a member of the system or not.

Scalability

- The system should be able to handle a large number of data and it should be able to maintain a lossless database.

Maintainability

- It should be easy for the administrator to maintain the system.

Process Model

The system development process will be done through the iterative waterfall model. This model will allow us to deliver a robust software which is ready to roll out and feature packed. Through the feedback, we can perfect every stage till the standards are met.

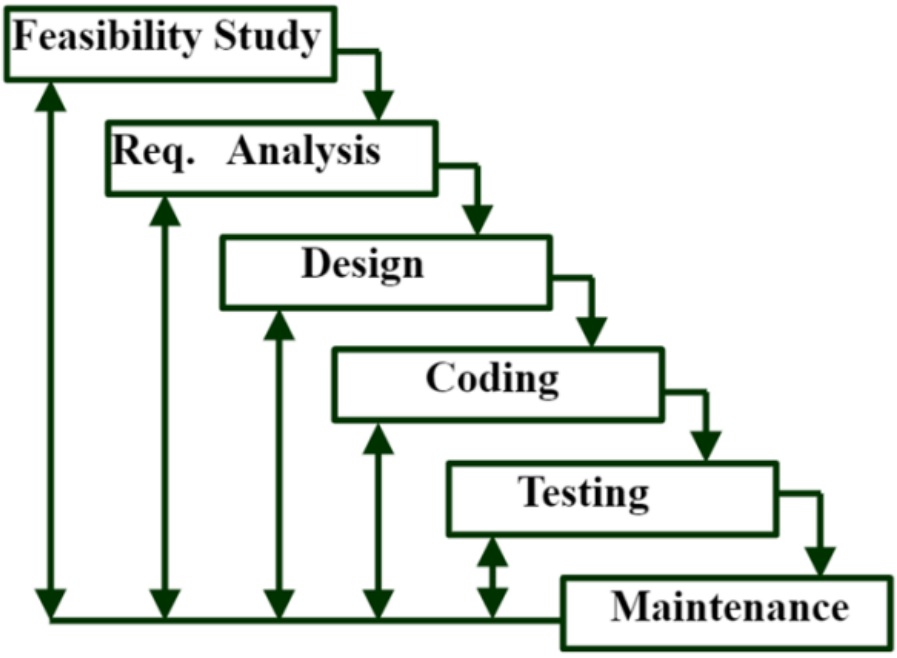
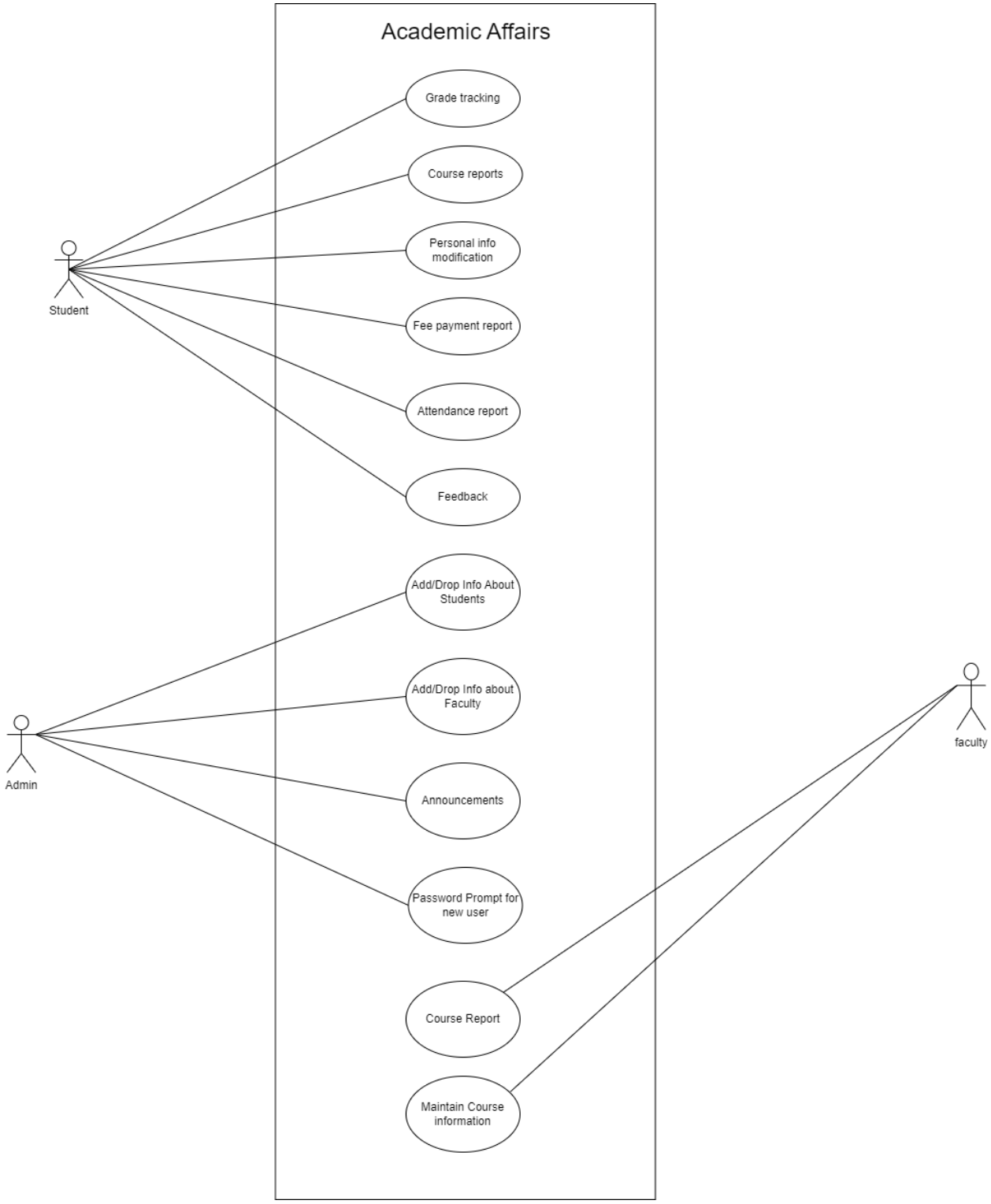


Fig. Iterative Waterfall Model

Use Case Diagram


Academic Affairs
Grade tracking
Course reports
Personal info modification
Fee payment report
Attendance report
Feedback
Add/Drop Info About Students
Add/Drop Info about Faculty
Announcements
Password Prompt for new user
Course Report
Maintain Course information
Student
Admin
faculty