Requirement Analysis

5.1 Current business process:

1.Information dissemination:

Faculty members publish information about activities through different channels.

2.Access to information: Students obtain information about activities through various channels (website, bulletin board, mail, etc.).

3.Activity booking: Students fill in the details to make an activity booking.

4.Activity Participation: Students participate in activities according to the reservation information.

5.Feedback Gathering: After the event, faculty and staff gather feedback from students.

5.2 Functional Requirement

Input:

- Activity information:
  Including activity name, time, place, description, and so on.
- User information:
  Includes basic information about students and staff.
- Reservation information:
  Student activity registration status.

Procedure:

- Information dissemination and management:
  Faculty members publish and manage information about activities.
- Information acquisition and notification:
  Students get activity information and receive notifications pushed by the system.
- Event booking and confirmation:
  Students book an event online and receive a confirmation message.

- **Feedback collection and analysis:**
  After the activity, collect feedback information from students.

Output:

- **Event list:**
  Displays all current and upcoming events.
- **Notification messages:**
  Event notifications and reminders sent to students.
- **Appointment confirmation:**
  Student confirmation information after the successful appointment.
- **Feedback reports:**
  Analytical reports of student feedback collected by faculty and staff.

5.3 Non-functional Requirements

- **Performance requirements:**
  1. The system response time is short.

  2. Supports simultaneous online use by many users.

  3. Ensure system stability and availability during peak periods.
- **Control requirements:**

  1. User rights management: Different users (students, staff, administrators) have different permission Settings.
  2. Data backup and recovery: Periodically back up data to ensure that data can be restored when the system fails.
  3. Security requirements: Use encryption to protect user data to ensure user privacy and system security.