Requirement Analysis Phase 1

Project: Student Information Management System (SIMS)

Requirements:

1. The system will be developed using PHP laravel framework, Mysql. The server operating system is linux.

2. Students will have no direct interaction with the system.

3. The system will manage all the information of the student after admission i.e No need to automate the admission process.

4. Admin (Narayan Dai) will be responsible for updating the data and documents of the admitted students to the database. Only 60-120 students will be enrolled in each department per year.

5. The data and documents of the students should be available to the following sections:

a. Registration section

b. Course selection

c. Faculty members : teachers+HOD

d. Account

e. Result section

6. Once the students has submitted the documents to the admin, he/she need not submit the documents again and again to the above sections.

7. The above mentioned sections b-e can only access the documents once the registration section has verified the documents and provided registration number to the user.

8. The information that is available should be tailored to the departments. Eg; Faculty of computer Department should only be able to view the information of their departments.

9. The information should also be tailored to each section. Eg; The faculty should be able to view the result (GPA sheet), however the functionality might not be required by accounts section.

Existing systems in the university (not confirmed)

1. Database of students who applied

2. Course registration portal

Challenges

How to integrate our systems with existing systems? Pulling required data from the existing system may require adding additional modules to the existing system.

Future enhancements (if possible)

Hostel information

Integrate library system

Add information about student’s projects +internship+any trainings