Academic Management System
Project Management Document

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1   Activity list

1   Formulation of the problem

In this Project we are going to create an Academic Management System. This will be used in an academic institute in order to manage the institute. The system will allow the instructor to create and manage classes. Students can join classes and get the material posted in the class. The Admin is able to take care of other important parts like creating and managing the accounts of students on the platform.

1.1   Reading relevant background information

For the understanding of how the application will work take a look at available platforms like google classroom and moodle. After that take a look at the design document and understand it carefully.

1.2   Understanding and documenting the requirements

The requirements of the project are mentioned in the design document. Some of the basic requirements are, for the Instructor to create a class and add students to it and being able to post material on it. The Student should be able to access all the materials posted in the class. The Admin should be able to manage and create new accounts for the Students as well as the Instructor.

1.3   Discussions

2   Designing a solution, documentation

There will be a login page at first. For study material there is page contains all material of all courses. Student profile section will contain all information about the students. For grading there is result section. In academic section there is system for courses registration. To access resource there is resource management system.

3   Relevant learning

Learning about web technologies and database management.

4 Coding and unit testing

All the codes and documentation will be on GitHub so in order to access the codes you can access it through git. All the details for the testing of a function or a unit will be available in the code and it will also describe how we will test it. The Unit tests will be performed by the testing team. Make sure that the code written by a programmer is testable.

5 Documentation

The Documentation should be maintained by the person that writes the code and a User guide will also be maintained which will help with the functionalities provided by the platform. The Documentation is available on the GitHub and if someone creates a part of the code than he should create the documentation for that part of the system.

6 Testing

In this section developer team need to check or testing of all functionalities in given system. This is all responsibilities of developer team that how to take input from user and give valid output for input.

7 Reviews

For the bug and error free optimised web application reviews are very helpful. For review, some online application like google classroom and moodle can help so that we achieve optimised application. The reviews should have taken from other academic authority.

8 Re-work and de-bugging

2 Project Plan: For each activity, your estimated start date, end date, responsible person(s)

3 Testing Strategy:

1 For each requirement, test transactions, expected results

- **Student Profile :**

Edit Profile

Schedule	02-04-2022
Responsible person	Charitya

Input : Roll-Number,Password,New Data(Name,DOB,Address,phone number)
Output : Show profile with updated data.

Add new profile

Schedule	02-04-2022
Responsible person	Karabhai Hun

Input : Roll-Number,Password,New Data(Name,DOB,Address,phone number)
Output : Show profile with input data.

- **Courses :**
  Add Courses

Schedule	02-04-2022
Responsible person	Dhawal Katriya

  Input : Courses name, credits, Lab number, Instructor,etc
  Output : Show that Course in course list with unique course code

  Edit Courses Info

Schedule	02-04-2022
Responsible person	Rameshkumar

  Input : course code, detail which you want to update
  Output : Show that Course in course list with updated details

- **Committees/Clubs :**
  Add Committees/Clubs

Schedule	02-04-2022
Responsible person	Tarun Boricha

  Input : Committees/Clubs name, budget, Activities name,member names, etc
  Output : Show that Committees/Clubs in Committees/Clubs list

  Edit Committees/Clubs Info

Schedule	02-04-2022
Responsible person	Vivek Makwana

  Input : login info, updated info
  Output : Show that updated info

2 Test cases for the design

- All buttons are working fine.

- All database related operation (insertion, deletion and update) are working properly

3   Test cases & expected results for integration

3.1   Module integration

3.2   User Interface integration

4   Test data, expected results for unit testing

4   Any other special activities and an appropriate breakup with estimation, as recommended by the standard fixed.