International Islamic University Chittagong

Department of Computer Science and Engineering

A Project Proposal on

Online Thesis &Project Management System

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1. Introduction

Thesis/project management system is a big concern for every University departments, specially for our Department. In the contemporary world, everything is now being digitalized and slowly getting modernized. But, in the universities there is a critical and lengthy process that many of the students are not aware of, specially from below 7th semester. That's why, the students don't know whom he/she should choose as supervisor, the topic he/she should choose, process of making a standard thesis/ project and many more. Even some students are not capable to choose between thesis or project, which one will help him/her in their career. Besides, a supervisor has a specific quota for thesis/project teams. He/she can not exceed the limit. So, some students can not find their supervisor in time. It is a great problem for both coordinator and students.

As per consequences, we need a smart thesis & project management system. In this project we are proposing a smart thesis & project management system that will help the students to find their research gap by analyzing and studying their seniors previous works on thesis/project as those files will be available in this management system. Our project will make this system much easier and faster. That will save valuable time of our teachers, and also ease the departmental proceedings. Therefore, it will make this critical process much easier. Furthermore, we can implement this in all the departments of our university.

2. Background/ Literature Review

The journal we have reviewed, implemented a system that takes reports from students and delivers it to the teachers. [1]
Eliminating the time consuming procedures and paper work of a thesis in the universities [2]
Maintenance and authorization of students, teachers and coordinator [3]

In this project we are proposing a smart thesis & project management system that will help the students to find their research gap. This project will make this system much easier and faster & will save valuable time. Therefore, it will make this critical process much easier. Hence, we can implement this in all the departments of our university.

3. Problem Statement
- Choosing supervisor in interested topic for a student, selecting specific teams for a teacher and lengthy process in completing thesis/project for a particular batch.
- In the final semester when students have to take thesis/project as a course.
- Proper guideline and finding relevant resources
- Lack of prior knowledge of students in research

4. Significance of the project
Through this system students will be able to register for thesis/project very easily. That will save valuable time of our teachers, and also ease the departmental proceedings.

5. Aims and objectives
We are working to fill these objectives
- To collect and manage University project thesis to make available for users.
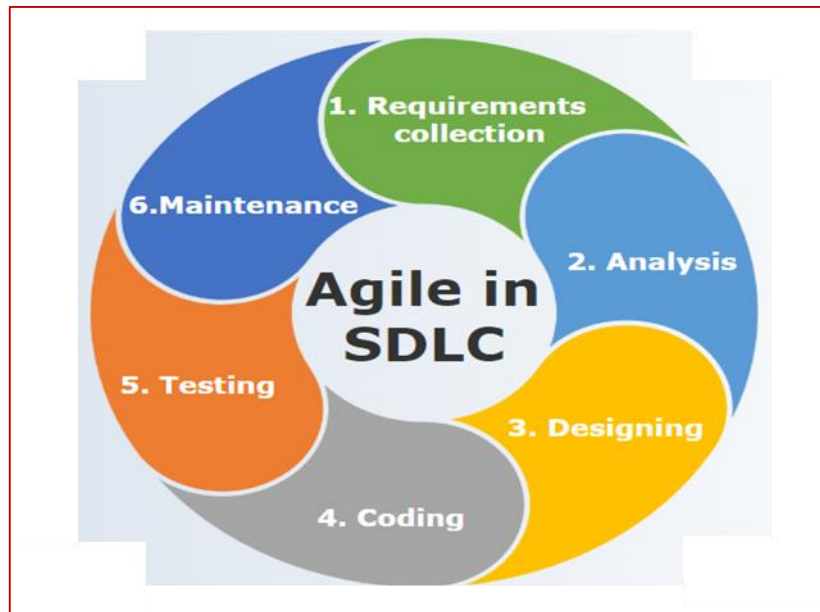- To create a well-structured thesis & project management system

6. Expected Project contribution

This project may conduct these possible outcome:

- A well-managed thesis & project management system
- Real time monitoring of thesis & project supervision

7. Methodology

We are going to use Agile model as our SDLC. Because this process is applicable for this kind of projects.

Agile has been derived from project management so when using agile in SDLC, it means SDLC making strong project management to make a process agile. The team follows the software development life cycle phases that are-

- Requirements collection
- Analysis
- Designing
- Coding
- Testing
- Maintenance

Tools we are going to use:
- For Server side: ASP.NET MVC
- For Frontend: HTML5, CSS3, Bootstrap
- For Database: SQL SERVER 2012
- Language: C#
- For IDE: Visual Studio 2013, VS Code

8. Expected Outcomes from the Project

Through this system students will be able to register for thesis/project very easily. It will provide a well-managed thesis & project management system. It will make this critical process much easier.

9. The importance and benefits of the project to the industry or society

This system is going to make an impact to the department of a university. The system is most hassle free and it will make this critical process much easier.

Our project will improve the registration process to a very smooth way.
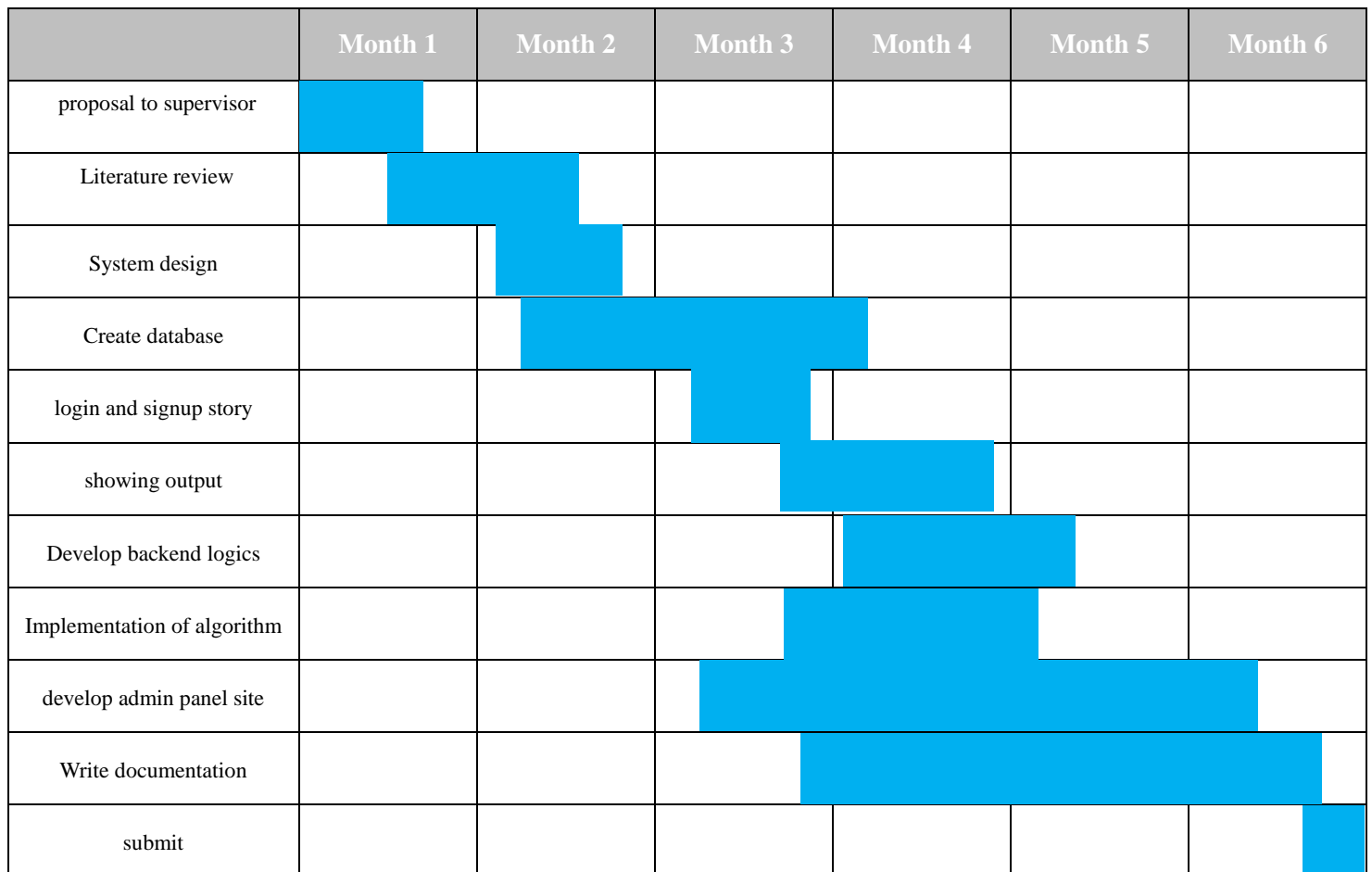
10. Gantt Chart of Project Activities

	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6
proposal to supervisor	▓					
Literature review		▓				
System design		▓				
Create database			▓			
login and signup story			▓			
showing output				▓		
Develop backend logics				▓		
Implementation of algorithm				▓		
develop admin panel site			▓	▓	▓	
Write documentation				▓	▓	▓
submit						▓

Fig: Days of the Project

10. Reference list or bibliography

[1] Md Yusuf Khalil DEVELOPMENT OF A WEB-BASED SYSTEM FOR THESIS AND PROJECT PROPOSAL MANAGEMENT

[2] Google Summer of Code 2019 Development of a Thesis Management System (TMS) [github]

[3] Redhatcz/thesis-management-system (github)