

SE 201.3 - Systems Analysis and Design

Group Assignment

Project Plan

**Designing the student information system of
CP/H/ Dhammaloka Vidyalaya, Badupola, Ginigathhena**

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OVERVIEW OF THE PROJECT

The student information system of CP/H/ Dhammaloka vidyalaya is the proposed system for manage student related data. The system is proposed to develop as web-based application that contains central database and a web portal that allows authorized stakeholders (School management staff, Teachers) to retrieve data when required. And also, the system is capable of generating reports and relevant documents using stored data in the database.

Students' details are added to the system by specially assigned member from the staff (usually the role is held by data teacher in schools) who is responsible for creating new records, updating, and deleting on approval of top-level management, on the system. The required student data for regular processes and decision making of the school can be retrieved by the principal and members of school management board and the student data related to teaching and learning process can be retrieved by teachers that assigned for relevant subjects and classes.

Summary

Institute	CP/H/ Dhammaloka Vidyalaya, Badupola, Ginigathhena (Central Province)
School type	2
No of students	150
Staff	21
Tentative date to launch the system	2021.05.01

PROJECT METHODOLOGY SELECTION

Considering the following factors, the **waterfall methodology** is selected as the project methodology.

- **Clarity of User Requirements**

As the requirements of the project are clearly mentioned by the clients and as the business processes of the institute are not changing frequently as it is a government organization the waterfall methodology can be considered as a suitable approach for continue the project.

- **Familiarity with Technology**

As the development team is familiar with selected technologies to develop the system and since the team members have prior experiences in developing this kind of web applications a waterfall method can be used to develop the system.

- **System Complexity**

Even though the system is little bit complex, considering the scale of the institute and since the amount of information that is going to handle with the system, is not larger, it can be implemented in relatively less time duration compared to other project.

- **System Reliability**

As most of the information that is handled by the system are well structured the ability of occurring unexpected errors during working with system is minimum. In any case of absence of reliability in system can be handled with the help of manual system that already exist in institute without any harmful impact on stakeholders and the institute.

- **Short Time Schedules**

Considering the scale of the institute and the familiarity with the technologies of development team, the given time duration is enough for complete the task without using any agile development method for the project. Accordingly, the waterfall method is suitable for this development task.

WORK BREAKDOWN STRUCTURE



