

# SCSD2523-08

SCSD2523 PROJECT PROPOSAL: DEVELOPING STUDENT SUBJECT REGISTRATION SYSTEM FOR SMK TAMAN NUSA DAMAI

Group Name: Average Rangers

Group Members:

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Requirement Analysis (User Requirement Specification)

1. Introduction of the organization (case study).

Our team had chosen education as our theme for our group project’s system. The three of us agreed to make SMK Taman Nusa Damai as our study case. Upon our research, we had an interview with our client, who is the school’s senior assistant named Pn. Wardah binti Ismail. With the help of the schools’ staffs we managed to gain and gather the information that we wanted.

The student subject registration system is a system that computerizes the process of the subject registration for the students. Other than that, it is convenient for the school administrative as the system is a lot more organized and reliable.

The client required the system because they don’t have a computer system instead they’re using a traditional system.

1. Flow of the current system (manual)

After our team has collected the data from the school, we noticed that they do not own their system or database. The registration is manually handled by the staffs. Consequently, since the system has not been computerized, it increases the working time of staffs as they are still handling as paper-work system. Therefore, this will cause worse problems to them if they still do not own their system in future.

1. Problem Of The Current System

The only problem in this school current system is there is no database in their school to record all data of the school itself.

* 1. There is no storage for them to record all the data in their school especially more specific data that they need to record as well as student record, staff record, teacher record, class record and other necessary records.
  2. There will cause confusion towards their staff. There is certain probability that the staff will randomly doing mistakes such as putting the subject file at student file. Thus, this makes the manual registration system is more complicated.
  3. There is also causes minor problem that the staffs want to search the record and it take so much time to find a file that they are looking for.
  4. Another severe problem is that the school does not have backup of the record. Even for the worst, the record is destroyed due to inevitable disaster.

1. The proposed system (idea)

After we interview, we know that this school only use traditional system and there are no database involved in their system. If this the school keep using this traditional database in the future there will face data storage problem in the future. This happen because there will be a time when the school no more room to keep all this record. So we decide to build the database system for this school because firstly we want help the school to keep their data record more effectively then before. We also want to help the staff by build the database system that ease of use for the staff so they can update the data more easily.

Staff

Teacher & Student Information

Teacher & Student Schedule

Subject Information

Teacher Schedule

Teacher

Subject

Student Information

1.0

Registration System

Student

Student Schedule

Student

Teacher Information

Teacher

5. The Data and Transaction Requirement

1. Data Requirement

There will be three entity for our database system. The students and teachers basically the user who use this system. Student entity is the one who will give student information and the teachers information will be require from the Teacher entity. Both Student and Teacher entity will give information such as Name, IC number and other personal information .For the Subject is the data that contain all subject that be offer by the school. There also have data two categorized in Subject entity, first one is lower-secondary and other one is higher-secondary.

1. Transaction Requirement

In the transaction requirement, this system start when the students register the subject that they choose. The subject that they choose must be require from the data in Subject entity only. The student cannot register the subject that not from the subject database .At the same time the teachers also give their personal information especially the subject that they teach. Both of this information will be seen by the staff and they are the one who will make schedule for both students and teachers. The students will be seen their full week schedule of their class and the teacher will also see the full week of the schedule of which class that they be assign to be teach the students.