**Software Development Project Proposal**

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# Introduction/Background

Information Technology Resource Office has recently assigned the APC Clinic System to be developed by Team Cobala, information technology students of Asia Pacific College. The project will focus on building a web-based clinic system which provides a simplified and more user-friendly approach for the existing users. The staff of the clinic required the team to include an appointment module specially for senior high students and up to date contact information of the guardians of every student. The team also suggested to add analytics in the system for them to further research the information given by the student or staff visiting the clinic.

# Scope of Work

The scope of work for the APC Clinic System Project includes all the required modules: appointment, student and reporting. Although the initial scope of the APC Clinic system is not yet fully defined and could possibly change in time. The Team Cobala will be responsible for analyzing, designing, and improving the current APC Clinic System. Each added feature in the prototype should be approved by the Team’s adviser in order to maintain quality. The systems developer and systems designer ensures that each requirement would be met should each requirement would be tested.

# Current System

The APC Clinic’s current system is having an adversity of providing appointment considering the information of Senior High students. The contact data of the student’s guardian are outdated and ought to be up-to-date.

# APC Clinic wish list

* To automate appointment process
* To track data for analysis
* To improve user interface
* To improve user designs
* To segregate user role

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# Proposed System

For the APC clinic system, the database will store the patients record and which doctor or nurse he/she visited and what medications that were prescribed. This will fall under the analytics module which will be seen in the dashboard of the system. The analytics will keep track of the students visiting the clinic and it comes along with a graph for an easy and visually appealing way of keeping track of the patients. This would help the clinic because they could request for the student’s medical records if they come often in the clinic.

The updated contact information of the guardians of the students as per requested by the clinic itself will help them to easily communicate if ever the patient has a medical condition or problem.

Since there will be no upcoming 1st year students in Asia Pacific College and only college students are only registered in the current system, adding the information of the Senior High School students for appointment schedules will widen the clinics patients and will now be recorded in the system because they are also technically part of the Asia Pacific College Community.

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# Importance of the Proposed System

The relevance of the proposed system is to regulate the processes more effectively and to make sure APC students, faculty and staff can avail of free medical and dental services in the clinic. The proposed system would let the staff of the clinic to easily determine who are always visiting the clinic and figure out if that person has a medical condition and to immediately contact the guardian of the person.

The APC clinic system also conducts annual physical checkup of APC students to ensure well-being of students and by doing that so, the appointment system of the clinic should be up to date.

The data gathered in the analytics could be used by the school for research purposes for the clinic to improve the service they offer to the APC students, faculty and staff. The APC clinic system could possibly be adapted by other schools if ever the current system of the said school is outdated or already irrelevant.

# Period of Performance

The period of performance for the APC Clinic System started on January 23, 2017 up to the last day of the 3rd Term AY 2016-2017. All necessary documents, diagrams, and the system itself should be completed within the given timeframe.