Vision and Scope Document

for

APC Pre-Registration System

Version 1.0 approved

Prepared by Angelica Ruiz, Jairus Roguel, Diego Gloria

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Revision History

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| **Name** | **Date** | **Reason For Changes** | **Version** |
| Document created | 10/13/16 |  | 1.0 |
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# Business Requirements

## Background

In Asia Pacific College, the current pre-registration system is manual. A pre-registration is a system wherein students can add subjects to their load by submitting a request which will be approved by an adviser. An adviser is a professor that is assigned for handling requests of students and they decide whether to approve or not. There are rules that an adviser needs to follow before approving a subject and that is where a problem arises. There are instances that a student successfully added a subject that is not allowable for the current term because of a pre-requisite, which is part of the rule that students can only take a subject once the pre-requisite subject of it is passed. More problems arise because of conflicts in rules, thus having a system that has the rules built-in comes with easier detection and validation if the rule is being followed which is automated. It eliminates problems like conflict in pre-requisite subjects.

## Business Opportunity

Students and even faculty staff encounter problems in the manual pre-registration system like placing a wrong subject to a student’s load and not having enough knowledge about the rules in pre-registering. With the APC Online Pre-Registration System, students and faculty alike can have an efficient and convenient experience in the pre-registration process.

## Business Objectives and Success Criteria

* To understand the flow of the current pre-registration process
* To build a prototype of the online pre-registration system
* To collect data from students about their feedback on the pre-registration system
* To look for sample algorithms that may serve as a basis for working on the project
* To provide convenience and satisfy the students, advisers and APC Community

## Customer or Market Needs

Asia Pacific College students usually encounter inconsistencies in adding a subject to their load that may result to conflict in schedules. Thus they need a faster and convenient way of adding a subject because of the problems encountered during every pre-registration period. Because of that, a more efficient pre-registration system is highly needed to satisfy the following needs:

1. Faster pre-registration process
2. Reliable pre-registration system (because of conflicts)
3. Easier access to the system

With the APC Online Pre-Registration System, there would be:

1. Easy navigation
2. User-friendly Interface
3. Chance for users to experience adding their own subjects

## Business Risks

Many risks arise in this project such as implementation issues, miscommunications, and timing problems. The respective actions to the risks are to be on time when it comes to creating and developing the project, to take responsibility to the given tasks, to communicate well with the team and to prioritize the project.

# Vision of the Solution

The long-term vision of the system is to provide comfort and convenience for the Asia Pacific College (APC) community by simply integrating our Online Pre-Registration System to the FLAVIO system for easy access.

## Vision Statement

The purpose and intent of our system is to lessen the inconvenience of the APC community by making the manual Pre-Registration System online. If the system will be implemented, students will no longer need to fall in line in the fourth floor which causes inconvenience especially for the professors who are assigned to advise. The school’s online services will better serve the APC community and its potential will increase.

## Major Features

1. Modifying of subjects – students can add or drop subjects in order to organize their schedule
2. Validation of requests – the system checks if the request of student can be granted

## Assumptions and Dependencies

**Assumptions**

• Key project member’s availability

• Access will be provided during work hours (Pre-registration period)

• Internal process lead time

• Accuracy of the project schedule dates

**Dependencies**

• Overloading of database will be examined by the ITRO staff

• The system technically depends on the FLAVIO system

• FLAVIO access are handled by the ITRO staff

# Scope and Limitations

The project includes the online pre-registration, adding of subjects and viewing of subjects enrolled and offered in Asia Pacific College for the students of APC. Also, it will not cover special cases (accreditation of subjects taken from another college/university, etc.) because it would need to be handled by the Registrar and Program Directors.

## Scope of Initial Release

The projects’ initial release would include adding of subjects and viewing of enrolled subjects and subjects offered by APC. These would be the main features because the developers believe that these features are the most important.

## Scope of Subsequent Releases

In the following releases, this project would have the feature of dropping and requesting of subjects.

## Limitations and Exclusions

Setting an appointment for special cases, subject recommendations, online petition of subjects and notifications would not be included in any version of the project.

# Business Context

## Stakeholder Profiles

* Asia Pacific College students
  + Reduced work
  + Improved productivity
  + Automation of previously manual tasks
  + Ability to perform entirely new tasks or functions
  + Improved usability or reduced frustration level compared to current applications
* Asia Pacific College Faculty
  + Cost Savings
  + Improved Productivity

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Stakeholder** | **Major Value** | **Attitudes** | **Major Interests** | **Constraints** |
| APC Students | Automation of previously manual tasks | highly receptive, but expect high usability | Reduced work; improved productivity; automation of previously manual tasks |  |
| APC Faculty | Less workload | highly receptive, but expect high usability | cost savings; ease of use; high reliability | must run on low-end workstations |

## Project Priorities

|  |  |  |  |
| --- | --- | --- | --- |
| **Dimension** | **Driver (state objective)** | **Constraint (state limits)** | **Degree of Freedom (state allowable range)** |
| Schedule | release 1.0 to be available by 12/20/16 |  |  |
| Staff |  | Maximum team size: 1 project manager + 1 project developer + 1 project analyst |  |
| Quality |  |  | 90-95% of user acceptance tests must pass for release 1.0, 95-98% for release 1.1 |
| Features |  |  | 70-80% of high priority features must be included in release 1.0 |
| Cost |  |  | budget overrun up to 15% acceptable without executive review |

## Operating Environment

* The users will be Asia Pacific College students and faculty located in the Philippines, also if possible, it can also be used by the sister schools.
* The system will be accessed during the pre-registration period.
* The data generated will come from the students and faculty inputs.
* Interruptions like database overloading or crashing will be handled by the ITRO.

Students must have a FLAVIO account to access the system.