

---

# **UPCC**

## **Project Description**

Submitted to:

Prof. Ma. Rowena C. Solamo  
Faculty Member  
Department of Computer Science  
College of Engineering  
University of the Philippines, Diliman

Submitted by:  
Abaja, James Gabriel  
Cruz, Rayven Ely  
Lim, Ciana

In partial fulfillment of Academic Requirements  
for the course  
CS 191 Software Engineering I  
of the  
1<sup>st</sup> Semester, AY 2017-2018

---

### **Unique Reference:**

The documents are stored in the <https://github.com/limciana/UPCC>.

Project Description:

<https://github.com/limciana/UPCC/blob/master/01-Project%20Documents/Project%20-%20UPCC%20-%20AbajaCruzLim.pdf>

### **Document Purpose:**

The purpose of this document is to give a brief description of the UPCC project, and its functionalities.

### **Target Audience:**

The target audience of this document are the developers who are interested in continuing and extending the project, users who are interested in how the project works, and the professor handling the course.

### **Revision Control:**

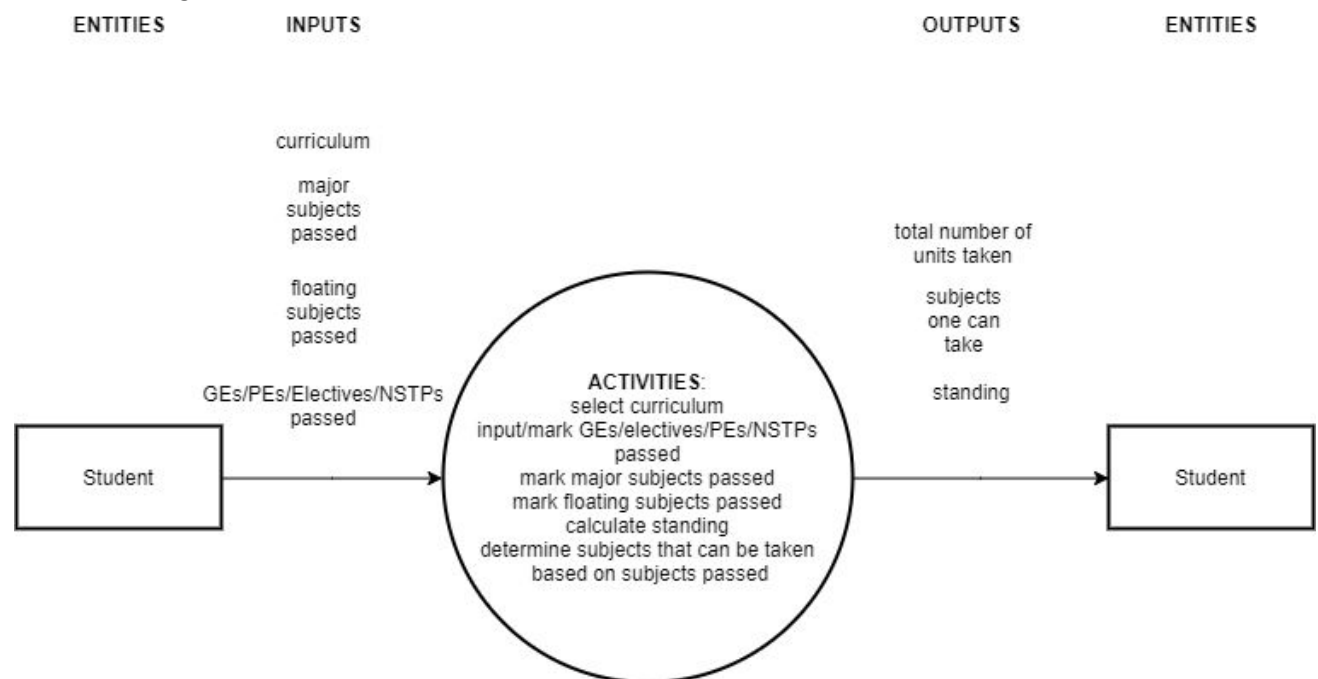
<b>Revision Date</b>	<b>Person Responsible</b>	<b>Version Number</b>	<b>Modification</b>
08/31/17	Ciana Lim	1.0	Initial Document; Included Unique Reference, Document Purpose, Project Title and Description, Context Diagram.
09/03/17	Rayven Cruz	2.0	Included Target Audience, Entities, Major Inputs, Major Outputs, Major Functionalities.

---

**Project Title:** UPCC

**Description:** UPCC is a curriculum checklist for University of the Philippines Diliman students. Currently, it will be developed for students studying in the BS Computer Science curriculum. It aims to be able to show the students the subjects they can take for the next semester based on the subjects they've already passed. The group hopes this project can help lessen the confusion of BS CS students when it comes to the prerequisites and corequisites of subjects in the curriculum.

**Context Diagram:**



**Entities:**

Students - These are the students enrolled in the BS Computer Science curriculum at UP Diliman.

**Major Inputs:**

Curriculum - The curriculum which the student follows.

Major Subjects - These are the major CS subjects that the BS CS curriculum require.

Floating Subjects - The Stat subject, Math subjects, and Physics subjects that the BS CS curriculum require.

GEs/Electives - This includes the required GEs and the required number of GEs for the RGEP, and the number of electives that the BS CS curriculum require.

PE subjects - The PE subjects that the student had passed.

NSTP - This includes NSTP 1 and NSTP 2 (ROTC/LTS/CWTS).

**Major Outputs:**

Total number of units taken - This displays the total number of units passed by the student.

---

Subjects one can take - This displays the list of subjects that the student can take with his current subjects passed and standing.

Standing - This is computed through the percent of subjects the student has finished or the completion of prescribed subjects of a year in his/her curriculum.

### Major Functionalities:

Select curriculum - The student selects from the list of BS CS curriculums the one which he/she follows.

Input/mark GEs/elective/PEs/NTSPs passed - The student marks specific required GEs, the number of MSTs, SSPs, and AHS, electives, PEs, and NSTPs that he/she had passed.

Mark major subjects passed - The student marks the CS subjects that he/she had passed.

Mark floating subjects passed - The student marks the required Stat, Math, and Physics subjects for the BS CS curriculum that he/she had passed.

Calculate standing - Calculates the current standing of the student through the subjects that he/she had passed.

Determine the subjects that can be taken based on the subjects passed - Determine the subjects based on the prerequisites and corequisites of the curriculum being followed.