St. Stephen's College
Hong Kong Diploma of Secondary Education Examination 2014
Information and Communication Technology
PAPER 3 School-based Assessment

Candidates should choose one of the following project titles and follow the guidelines and assessment criteria stipulated by their teachers to complete the project assignment.

Candidates should ①define the scope of the project carefully, ②produce a prototype and ③write a report for the compulsory part and the corresponding option of the elective part in the curriculum.

Title 1: Student Performance Analyser (SPA)

The Student Performance Analyser (SPA) is a web-based tool for schools to manage and analyze their students' academic performance. It helps teachers to analyse and monitor the progress of individual students, groups of students and whole school cohorts.

St. Stephen's College wants to set up a Student Performance Analyser.

It will be able to

(a) Manage the test marks and examination marks of all students;

(b) Provide individual student achievement report, it can identify students working well below, at, and well above expected levels so teachers can strategically target "at risk" students and extend the performance of high achieving students;

(c) Analyse group summary information on each subject so that appropriate measures can be taken to support individual and/or groups of students in future teaching and learning;

(d) Provide information about the passing rate, ranking, the most improved student, etc in each subjects and overall result.

(e) Provide information about the school performance in the past three years.

(f) Search for the information based on one or more criteria such as class, gender, subject, etc.

(g) Provide online technical support.

You are the IT project manager responsible for the project. You are going to provide solutions for meeting <u>some of the above</u> requirements for the school.

Title 2: School Equipment Circulation System (ECS)

St. Stephen's College wants to set up an information system to facilitate the data management for equipment borrowing in school.

The Equipment Circulation System will be able to

(a) Keep track of the status of each equipment items (IT, AV equipments, etc);

(b) Handle check out and returns of the equipment;

(c) Manage the equipment that is currently on hold; and

(d) Search for the equipment based on one or more criteria such as type, location, date of purchase, etc.

(e) Provide online technical support

You are the IT project manager responsible for the project. You are going to provide solutions for meeting <u>some of the above</u> requirements for the school.

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