

ABSTRACT

The Automated Appraisal System was developed at Capiz State University Mambusao Satellite College - Computer Science Department. The objectives of the study were as follows: (1) to design and develop an Automated Appraisal System ; (2) to design and develop system features that can help the enrolment committees generate an appraisal of subjects every enrolment period; (3) to design and develop system features that can securely maintain and store students` enrolment records; and (4) to generate student records, student master list, subject master list, and appraisal reports during enrolment. The Automated Appraisal System is accurate because it is a computer-based technology wherein the enrolment committee can manipulate the records and access directly to information about students in just few seconds. Thus, enrollees will have shorter time in waiting and processing their appraisal records and enrolment forms. Likewise, this system can also generate report of student records. Features of the system consist of (a) data security which provides the security from unauthorized person in accessing the record system; (b) data manipulation which provides easy management of records such as addition, updates, save, deletion, and search and view commands; (c) transaction, which includes student registration, subject appraisal, grade entry, subject entry and subject changing/ adding/ dropping; and (d) generation of reports which generate the transaction reports such as student master list, subject master list and student records. The researchers used the Waterfall Model to represent the Automated Appraisal System for Computer Science Department of CAPSU Poblacion. Intel i3 and higher version of microprocessor, 4GB (RAM), and 256GB SSD are the components of the hardware that was used in the system. Wampserver64, Visual Studio 2015, and MySQL were the minimum software specifications used in running the system. The respondents of the study were limited to the faculty and teaching staff of the Computer Science Department of CAPSU Poblacion. The system was evaluated by the respondents using the system`s functional suitability, maintainability, performance efficiency, compatibility, reliability, usability, maintainability, performance efficiency, compatibility, reliability, usability, security, and portability. The questionnaires were used to collect the data adopted from ISO 25010 Quality System Model and were gathered by the researchers after the respondents provided the necessary information. The data were then tallied and analyzed using means. Generally, the results showed that the developed Automated Appraisal System for Computer Science Department of CAPSU Poblacion enabled the enrolment committee and students to process the enrolment in the short period of time. It was determined to be "Acceptable" in terms of functionality, sustainability, maintainability, performance, efficiency, compatibility, reliability, usability, security, and its portability.