

Student Academic Performance and Evaluation System  
(SAPE)

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## ABSTRACT

The purpose of the study was to develop a computerized evaluation of student's academic performance for Software Engineering and Computer Science Department known as the Student Academic Performance and Evaluation System or SAPE.

In order to lessen manual errors in computation and fasten the processing of students report, the study aims developed a system that will accurately compute and generate reports for dean's list, candidates for honors, and for the retention policy in fraction of time.

This study mainly focuses on the monitoring of dropped-out students, evaluation of students for honors and awards, dean's list and basis of retention policy intended for Software Engineering and Computer Science Department.

The study will help to organize student's data, provide easy access and locate desired information in a short period of time. Students can obtain accurate academic records and respective users can generate reports immediately.

The study was done using the phases of System Development Life Cycle such as identifying problems and objectives, data gathering, analyzing system needs, designing the system and developing and documenting software. Also, the study uses a dataflow diagram that elaborates the steps in processing the data in the system. It uses a graphical symbol for better understanding on how the system works.

Various theories and concept were applied in developing the system such as the concept of data pump, data warehousing, data cleansing, extracting and data scrubbing.

The development tool or application software used in developing the system was Delphi 6.0 and SQL Server 2000 was used for constructing the database.

SAPE system was designed in a stand-alone setup. It can access information from the University Computer Services Center (UCSC) by means of a diskette as its medium storage to transfer the data coming from UCSC to be used in the system.

Through the computerization of student information, it will help organize student's data, provide easy access and locate desired information quickly.