

ABSTRACT

This system development project presents the analysis and design of Student Registration System for Chonburi Technical College. The project is developed to solve the problems of the existing student registration system which is based on the old version computerized system and some manual systems for enhancement of quality and efficiency in serving students. The objectives of this project are developed to replace the existing system in order to solve those existing problems and decrease the high maintenance cost.

The study of this project begins with the required definition and analysis of the existing system. Information system analysis and design tools such as context diagrams, data flow diagrams, data dictionaries, and structure charts are used to analyze both the existing and proposed systems. Candidate solution matrix is also used to compare various alternatives in order to come up with the most effective solution. Capital budgeting models such as the payback method, the cost-benefit ratio, and the net present value are used to evaluate the proposed system.