

Abstract

Currently students from high school/equivalent who wish to pursue higher education can choose any course of study in college. But after a lecture, they just realized what the appropriate course of study or with the interests and abilities. This often resulted in students who are not in accordance with the program of study that underwent resigned from lecture. To prevent this, it needs to be built i-Campus application that will help users to find alternative options in college courses in accordance with the desired criteria. This application was built based website that will facilitate if the application is to be implemented in practice.

The results of this application is, the user can use this application as a media aide in the search for alternatives perogram studies based on input criteria given user. Criteria contained in the application of a static criteria, the criteria previously set based on the results of a questionnaire to 30 high school students and equivalent, so that users only choose weighting of each criterion is the level of priority to the user's criteria. Application will process the user input if the total weight of all of the criteria numbered 1. Alternative course options are shown a sequence of alternatives that have the highest value until the eighth alternate. Alternative sequence of a given sequence does not show the quality of the course itself. The sequence shows only the recommended sequence of courses based on feedback provided by users.

This application is created using one of the methods of the Decision Support System (DSS) is a method of Multi - Attribute Utility Theory (MAUT). This method of applying the mechanism of simple attributes and non-redundant, with this mechanism, applications can more easily match and display the alternative elective courses based on user input.