ABSTRACT

The Application Of Mobile Computing In The Course Registration System

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The registration process is done before the lecture begins, usually done at the beginning of the semester. All planned courses will be registered on a form known as the Study Plan Form (BRS). Each college has a different way of doing the course registration process. In this study the course registration process is carried out using a mobile device, through mobile computing the registration process applies the heuristic method and the Depth First Search (DFC) algorithm calculation. This registration process involves two levels of end users, namely students and academic supervisors. Students will carry out the process of registering courses and academic supervisors will give their approval to the choice of courses chosen by students. Through the application of mobile computing is expected to provide convenience in the course registration process.

Keywords: *Mobile Computing, Course Registration System, Heuristic Method, Depth First Search (DFC) algorithm*

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