

Abstract

With the development of internet technology, information becomes very easy to obtain. Especially the use of web-based information systems are very widely used to disseminate information to the world. Similarly, in the field of education that makes the website as a source of information for all students, lecturers, to employees. In general, each user access to the website can form the access pattern. Then, the accessing pattern can be used to do the development on the website to facilitate the user get the desired menu. By using Ant Colony Optimization (ACO), the system can output the pattern of access based on the interests of all users. The selection of the Ant Colony Optimization (ACO) method due to the flow when the user accesses the website has in common with the ants while building the road to the food. In this experiment, pheromone will be modified with interest time and interest visit user to release the result that can approach the pattern of user access when accessing the website. And after testing the threshold was obtained 0.02 for the student group, 0.05 for the lecturer group, and 0.025 for the employee group which can produce a pattern that represents the user's habit patterns.

Keywords: *website, user, Ant Colony Optimization, ACO*
