Lecturer Competency and Profile Mapping to Assist The Recommendation of Subject Allotment

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ABSTRACT

A college education by providing a wide range of subjects to the learners. Subject to certain courses of teaching by lecturers with different backgrounds competence. This is in the spotlight against match faculty with courses of teaching. Once obtained the corresponding results then these things into consideration for improvement lecturer in improving the quality of education quality. Parameters improvement lecturer used as a reference is Faculty ABET criteria. These criteria provide an explanation that each faculty member must have competence. Faculty competence demonstrated by factors such as education, professional credentials and certifications, professional experience, professional development, contribution to the discipline, the effectiveness of teaching and communication skills. Some of these factors are used in determining the suitability of the faculty of teaching courses.

Determinations were performed by plotting the concentration of knowledge of some science with a concentration factor of each course. With the support and confidence calculations are owned by the association rules it will get the appropriate information regarding the faculty to administer the course. Testing is done by taking the data activities of education, research, service and training faculty. Based on the tests performed, the lecturer who has the highest confidence value will occupy the top position. Lecturer recommended to have the results of the calculation of the highest support at around 0.01 to 0.1. While the results of the calculation for the highest confidence is about 6 to 70
Thus, decision-making can be done with the help of appropriate faculty recommendation.

**Keyword:** ABET, Association Rules, Education Quality Improvement, Recommendation Lecturer.