

DATA MINING TECHNIQUES FOR FACULTY PERFORMANCE ANALYSIS AND DECISION MAKING OF PROFESSIONAL COLLEGES USING ROUGH SET THEORY

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Abstract

One of the biggest challenges that higher education face today is predicting the paths of faculty members. With incorrect decision, the efficiency and effectiveness of an institution may degrade, therefore decision making for an employee continuance or removal from an institution is a critical issue. Generally professional institutions are in need of analyzing the performance of the faculty members. Ramasubramanian and et al [2007] investigated the mining analysis of SIS database. The present paper presents a method for performance analysis of faculty members in a professional institute using rough set theory to predict the future of faculty for continuance or removal from the service.

Keywords: Decision making, performance analysis, rough set theory.