

Title of Article: Using Ontology-based Information Extraction Approach for Subject-based Auto-Grading

Author(s): **Olawande Daramola**, Ibukun Afolabi, Ibadapo Akinyemi, Funke Oladipupo

Outlet: 5th International Conference on Knowledge Engineering and Ontology Development (KEOD '13) Proceeding. Pp. 373-378. (Scopus Indexed)

Date: 2013

Abstract: The procedure for the grading of students' essays in subject-based examinations is quite challenging particularly when dealing with large number of students. Hence, several automatic essay-grading systems have been designed to alleviate the demands of manual subject grading. However, relatively few of the existing systems are able to give informative feedbacks that are based on elaborate domain knowledge to students, particularly in subject-based automatic grading where domain knowledge is a major factor. In this work, we discuss the vision of subject-based automatic essay scoring system that leverages on semi-automatic creation of subject ontology, uses ontology-based information extraction approach to enable automatic essay scoring, and gives informative feedback to students.