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An Aspect Based Online Reviews Evaluation System for
Higher Education Institution

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Abstract

The higher education opportunities have increased significantly over the past decade in Sri Lanka. Today’s younger generation is keen to study and most of them opt for higher education. Choosing the right course at the right private institute is most challenging choice since there are so many options available. In order to find the right institute students have to surf internet for the reviews and find user comments of particular institution from social network sites like Facebook, Twitter, Google plus and etc. This takes lot of time for reading the comments to understand whether that ratings are good or not on the particular institution. The key information a student wants to get from the review is: whether that institute is good, and what aspects received positive or negative opinions. This task is quite challenging because it is difficult for a human being to extract statistical aspect sentiment information from a massive volume of online reviews. As a solution for this problem higher institution aspect based evaluation system which evaluates the institution by considering the reviews given by reviewers is suggested by this project. This concept is based on natural language processing. As an outcome of this project is a system which retrieves review data from the social media networks and gives a rating to an institution by analyzing the sentiment value of the reviews and the features evaluated in them. Data gathering and analysis process of this project is made automated as possible and this can be accessed from anywhere because the client application is developed as a web application.

Subject Descriptors : I.2.1 applications and Expert systems, I.2.7 Natural Language Processing

Key words : Natural Language Processing (NLP), Data Mining, Aspect based Sentiment analysis, Online Reviews