Research and Implementation of a decision support system for the College's University Placement Department

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ABSTRACT

The University Placement Department handles the counselling of students who wish to transfer to other universities, taking into consideration their individual preferences on certain university related criteria. The counsellors then try to advise the potential transfer students on the most suitable universities to transfer to as per their preferences.

Though there are competent counsellors ready to advise students on the most suitable universities that meet their requirements and other related information, they are not always able to attend to many students at the same time all with different requests due to the limited number of resources available. They are also virtually inaccessible to international students who are back home on holiday or other students in far-off locations who are not physically located at the college but would nonetheless like to find out such information.

This project aims to develop a Decision Support System for the College's University Placement Department using applicable Artificial Intelligence concepts and techniques. Artificial Intelligence has great potential in aiding the decision-making process so as to yield the optimal decision.

The developed system will play the role of trying to "mimic" the advisory capacity of the University Placement counsellors in a bid to try and corroborate their efforts. The system will be web based allowing INTI students regardless of their present location to be able to access it with the help of the internet. It will take into consideration the factors and criteria that deal with the student transfer will allow users to select these requirements according to their personal preferences.

The system will have access to knowledge pertaining to existing university information. If used correctly it has the power to improve the quality of decisions made by potential transfer students and at the same time reduce the risk users transferring to institutions that would not favour them.

B.SC. (HONS) IN COMPUTER SCIENCE