

PROJECT PROPOSAL
A Rule-Based Course Advisor

by

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A RULE-BASED COURSE ADVISOR

A course advisor system is a knowledge-based program targeted at students various fields to assess their requirements to determine their desired program. The concept is to divide existing and future subjects offered so that a student may select a relevant course. The expert system will ask questions regarding the user's targeted career and ask additional questions, depending on the previous answers, specifically, matching a study program to a particular set of existing and targeted skills. Throughout the questionnaire, the system selects the appropriate modules and displays a list of course as the output.

A major aspect of this model is to represent the knowledge of the expert through a rule-based system. A professional course advisor in the ENCS department, Marcelle Trottmann, will be interviewed to provide information from her experiences with students and the academic system and protocol concerning the various programs, courses and their prerequisites. The implementation will be done through a rule-based language such as CLIPS, to infer logic in an "if-else" manner. This will provide students with a better understanding of their goals in order to assess their needs in choosing a career.

References:

- [1] Ovidiu Noran, "Case Study: A Course Advisor Expert System," Griffith University, Brisbane QLD, Australia, pp 1015-1027.
- [2] Ovidiu Noran, <http://www.ict.griffith.edu.au/noran/> (current October, 2011).