STUDENT ADVISING & PLANNING SOFTWARE

Assoc. Prof. Dr. Mohammad Shakeel LAGHARI
Department of Electrical Engineering
United Arab Emirates University
UNITED ARAB EMIRATES

Assist. Prof. Dr. Gulzar Ali KHUWAJA
Department of Computer Engineering
King Faisal University
KINGDOM OF SAUDI ARABIA

ABSTRACT

Student course registration is an important as well as a trivial process that may encounter unnecessary graduation delays. United Arab Emirates University *(UAEU)* is one such institution where students have faced problems depending on number of factors which may include; a lack of a proper advising system, understanding and experience of Advisers, students' ability to seek good advice, etc. Students not advised fittingly may suffer with losing time in selecting unnecessary and wrong courses. Students usually suffer with problems which may include: course selection with time conflicts, missing out on specific courses for appropriate semesters, selecting department electives bypassing track restrictions, selecting too many or less courses, etc. A Student Advising & Planning Software *(SAPS)* is devised to guide students in selecting appropriate courses suitable to register online with the University Registration System. SAPS is developed using JAVA computer programming language. The outcome of the course selection is stored (semester-wise) to show a complete typical plan. The system is under test and has been used successively on many student cases. Three typical case studies included with their course plans and analysis is reported in the paper.

Key Words: Advising, course planning, software package, JAVA.