

Student Admissions and Tracking System (SATS)

Problem Definition

This project is intended to automate the student admissions process into the graduate Masters, Certificate, and non-degree programs of the ISE Department. The Masters programs are in Software Engineering and Information Systems. The Certificate programs are in Software Engineering, Information Engineering, Information Systems Security, and Electronic Commerce. However, the system needs to be able to accommodate the addition of new Masters or Certificate programs.

The SATS system needs to be able to track the student admissions process starting from when the student's application arrives in the Department. Some information may be scanned into the computer (such as student transcripts and references, which are read only documents) while other information, such as forms that need faculty approval) will be entered via forms so that the information can be stored in a database.

A student may be enrolled in both a Masters and Certificate program. A student may progress from non-degree to degree status, and from provisional degree to full degree status.

Forms that need to be automated include (see ISE Web site for format of these forms):

- Student self-evaluation form
- Academic status form
- Change of Degree form
- Change in degree requirements forms
- Student plan of study form
- Permission to take course elsewhere form
- Transfer of credit form
- Applicant Evaluation form
- Student information form (new form). Admitted students provide their address, phone number(s), student id., and e-mail address.

- a) Where information is already available in the system, certain fields of the form, e.g., student name and degree should be automatically updated.
- b) Users of the system may not access the database directly.
- c) Notification of certain events should be transmitted by e-mail, e.g. notification to faculty member of application to process.
- d) Certain standard letters should be automatically generated.
- e) A hard copy of each student file, including all forms with signatures, will still be maintained.
- f) User management (faculty assignment, student account management)

Further requirements will be elicited through interviews with the course instructor and other departmental staff.