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Com 220: software engineering i

1 a.) Identify the key users for the Student Registration Management system.

* Students
* Course Advisor
* Admission Office
* Department of enrolment

b.) Identify key processes for the Registration system.

- The system allows students to register their course units

- The system allows the course advisor to determine if a student has met course pre-requisite and is eligible to register a given course unit.

- The system enables the school administration to store and update student details and also gives a report on students who have dropped out.

- The system checks for schedule conflicts before saving registration details.

c.) Identify and classify requirements of the proposed system.

- The system should be easy to use.

- The system should be quick in response and effectively handle operation errors.

- The system should be space efficient (should require less storage space for storage and operate).

- The system should restrict students from accessing administrative accounts in the system.

- The system should comply with the administrative functions.

2. As a software engineer, suggest and justify an appropriate development model and explain major tasks you would undertake in the development of this registration system.

Spiral model will be the most appropriate model in designing the system.

The first task to undertake will be risk involved in developing the system. This will be done through feasibility study to determine whether the school administration has computer literate personnel and whether it has required technology to run the system. After feasibility study, I would start developing the prototype of the system and send it to the university for testing and feedback before realising the new system.