

COM 220: SOFTWARE ENGINEERING I

Test : Individual CAT

Date : 13st April 2022(2:00 – 3:00pm)

Submission Date: 15th April 2022

Student Registration System

Rongo University is to introduce a new system for Student Registration where a student registers for course units during a specified registration period. To register, a student must see their course advisor who must approve each course that the student has selected. The advisor will use the registration system to determine if the student has met the course pre-requisites, is in good academic standings and is therefore eligible to register for the course. If the advisor approves the course, he/she enters the student's number and course ID into the course registration system. The course description will automatically display. The system will then check for schedule conflicts before saving the registrations. A bill for the course will automatically print in the bursar's office and the student should proceed to that office to pick it up.

Schools/Colleges can use the system to check enrolments in their programmes, get a class list, check a student's transcript, and look up a student's contact and any other student information. The registrar can use the system to enter new courses for an upcoming semester, cancel a course and check conflicts in courses/schools. The Admissions office uses the system to add new students. The Department of Enrolment uses the system to report on students who have dropped out, update student information and check fulfilment of graduation requirements for students planning to graduate.

Use your knowledge of Software Engineering to answer the questions below;

1.
 - a) Identify the key users for the Student Registration System. *(any 4)* [4 marks]
 - b) Identify the key processes for the Registration system. *(any 4)* [3 marks]
 - c) Identify and classify the requirements of the proposed system [5 marks]
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 [8 marks]



ALL the Best!