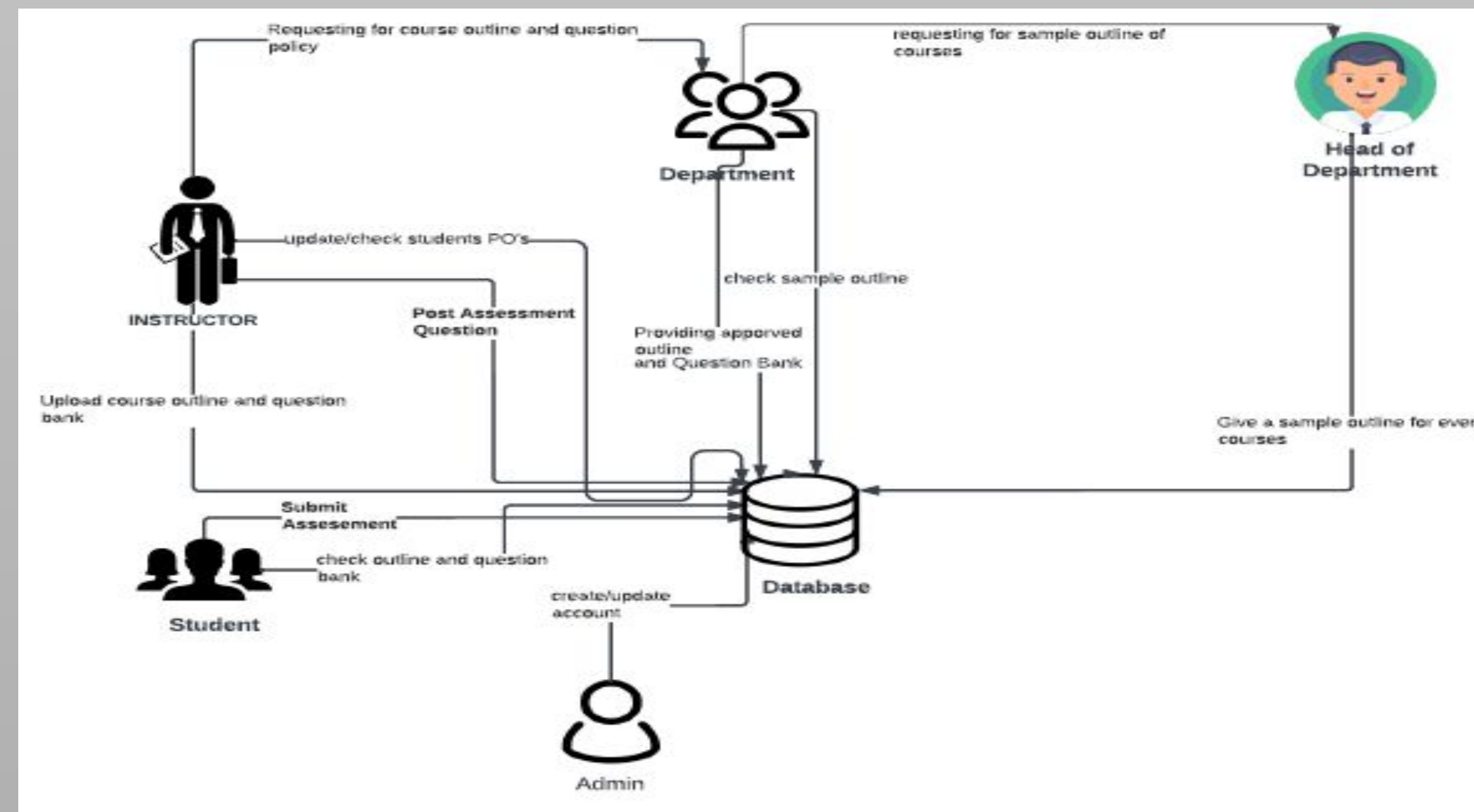


Mohammad Abu Hasan, Atika Sultana, Farhat Lamisa, Atikul Islam and Sanjida Afrin Department of Computer Science and Engineering, Independent University, Bangladesh (IUB)

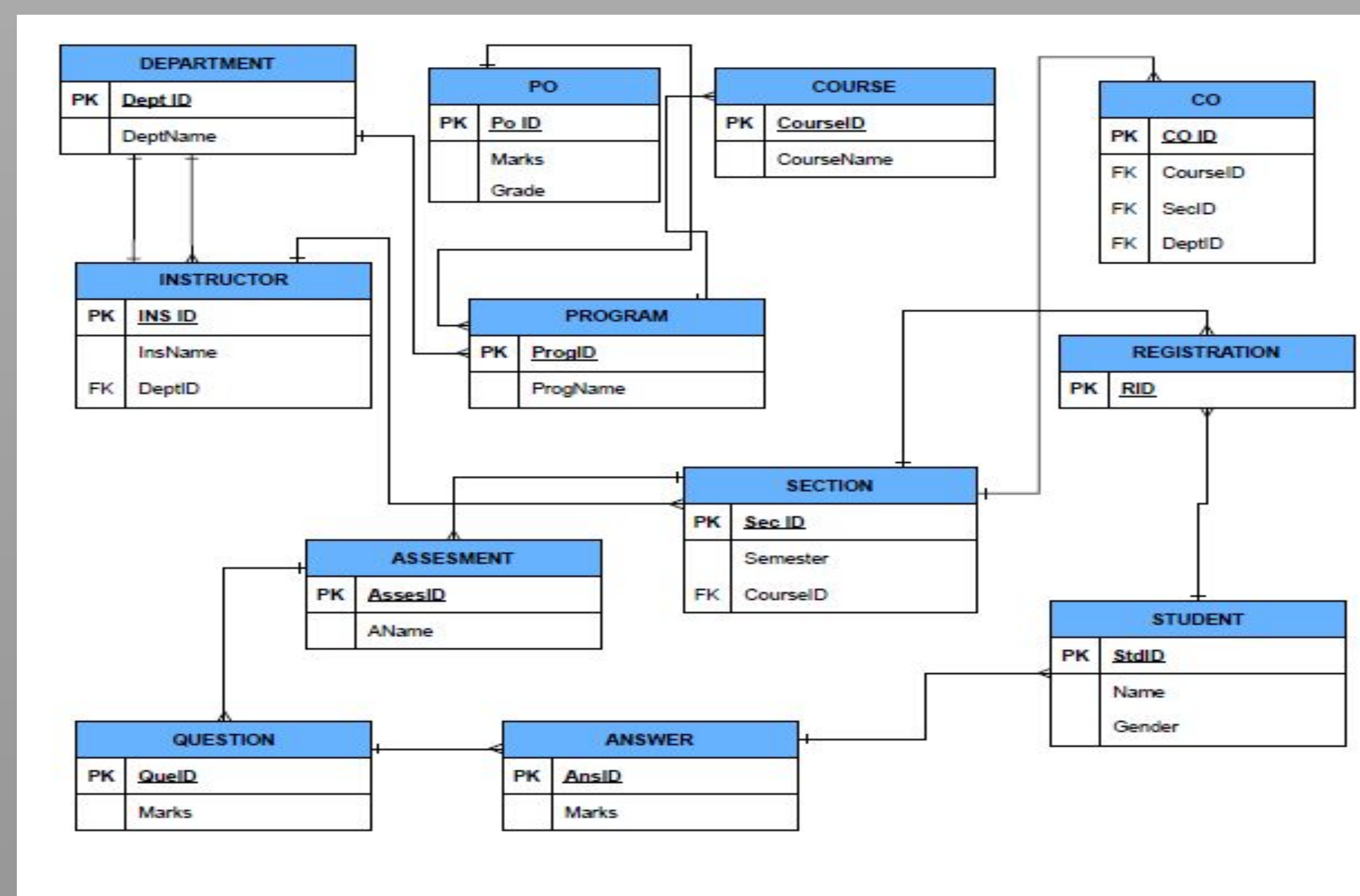
Abstract

Measuring the output of students, faculties, departments, and their individual courses in order to gauge their productivity in light of the course activities' relevance to the outcomes

Rich Picture:



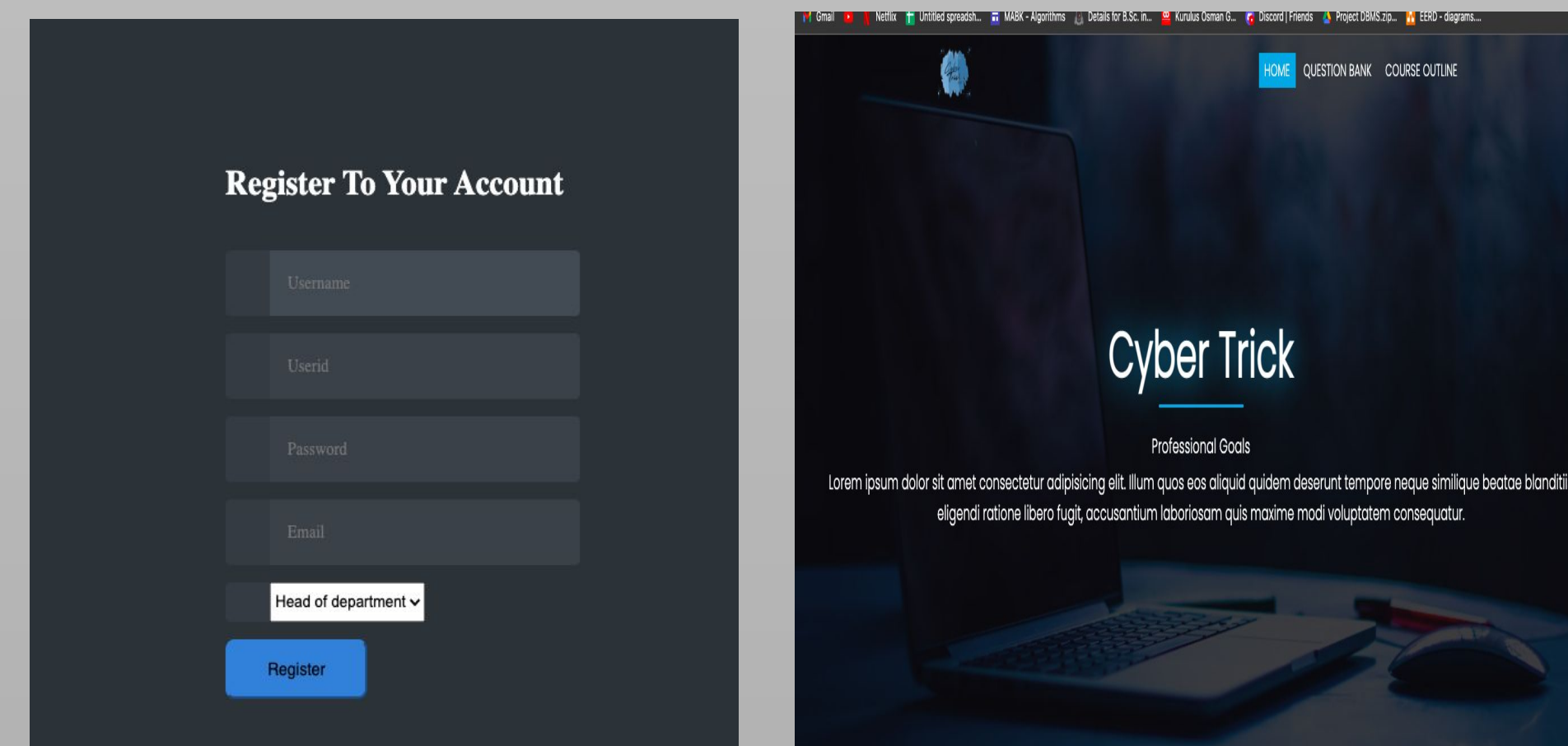
EERD



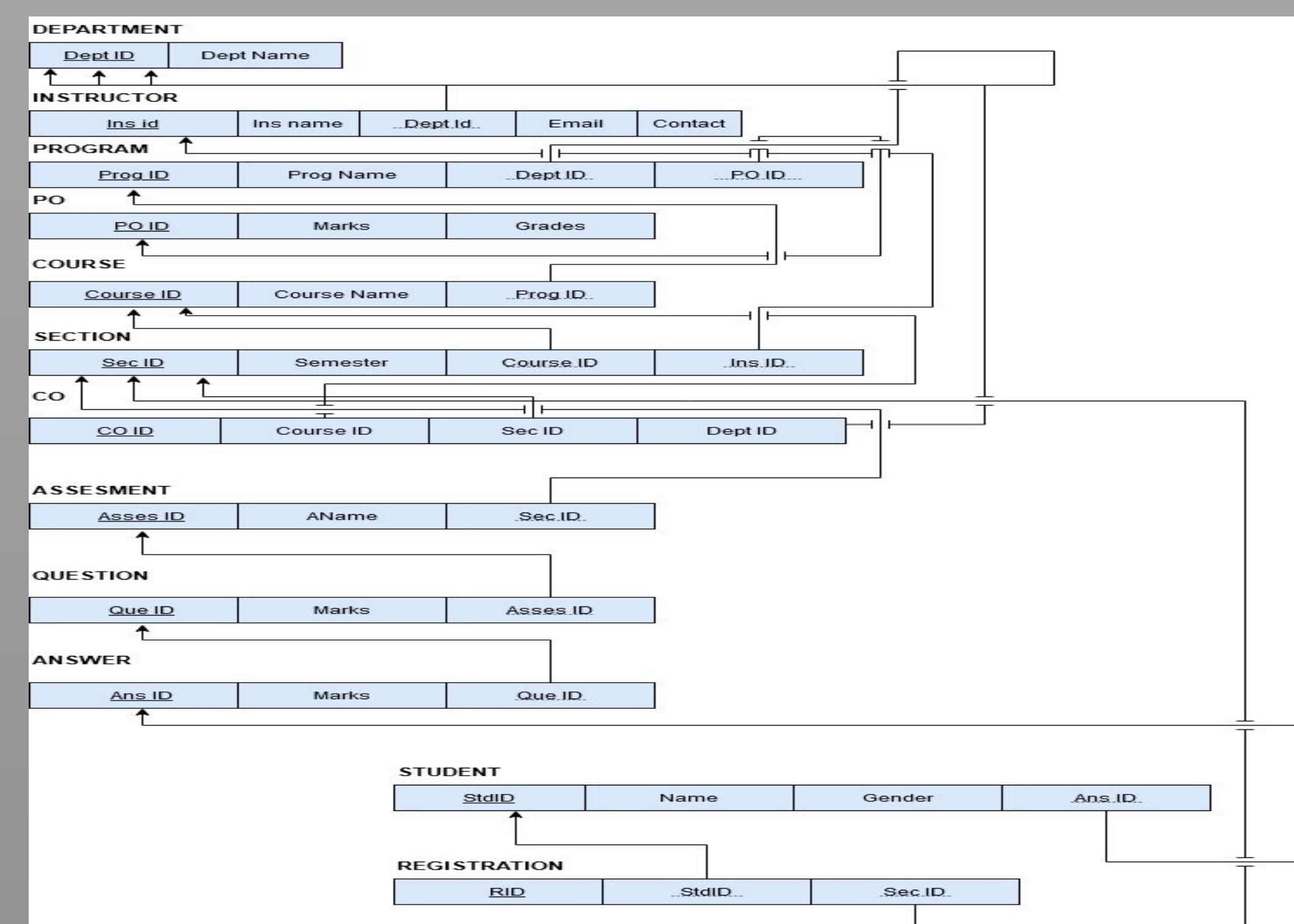
BUSINESS RULE

The software's objective is to boost productivity when creating course outlines (CO), question banks (QB), and student performance outcomes (PO). All CO, QB, and PO data is kept in the auto generating system. For each course, the faculty and HOD must update the CO, and before the semester begins, the COs must be mapped to the QB so that all students may check them. IEB must send the updated COs to the admin because it is not authorized to do so in the system. The admin will then update the COs so that the faculties can map them. According to the established curriculum framework, the faculties can update the COs. Additionally, the students can see their achieved POs for a certain evaluation they have taken.

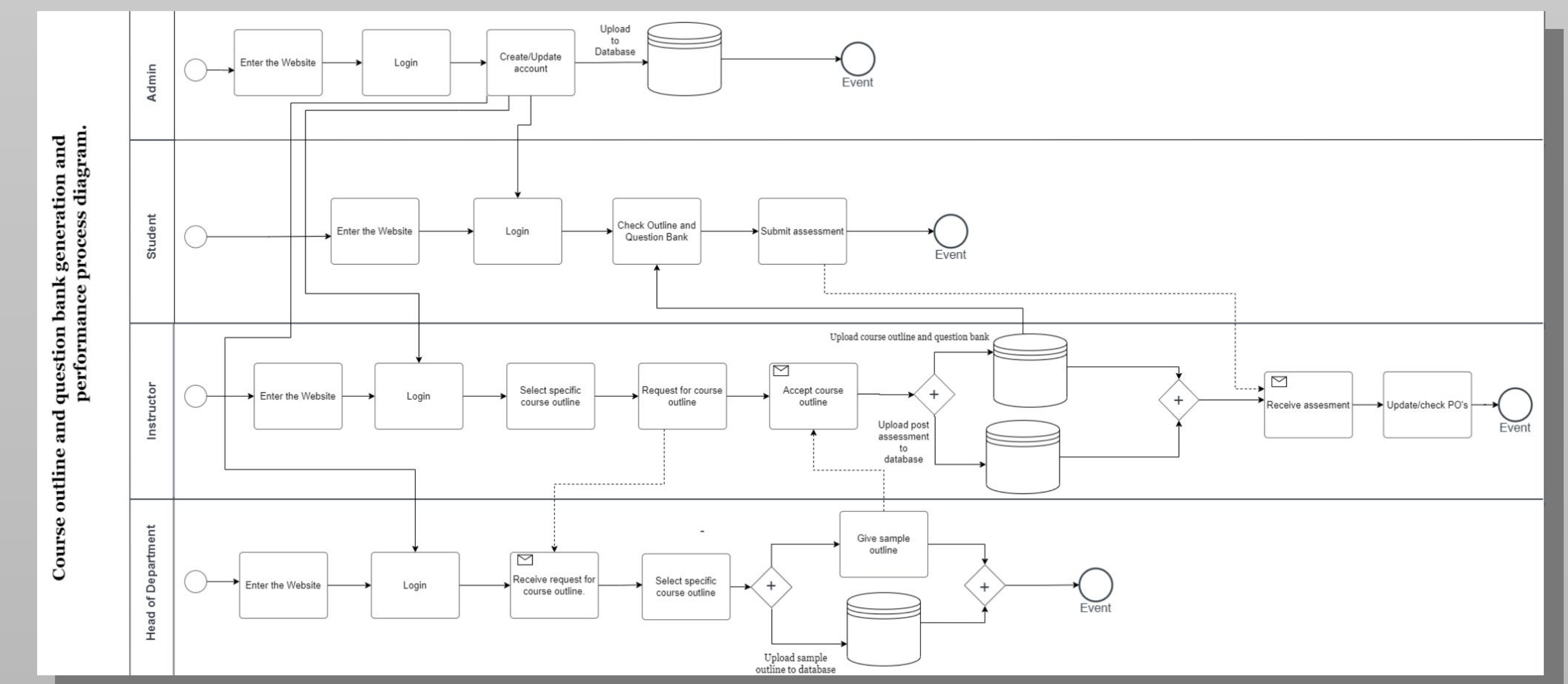
Project Screenshot



Relational Schema



BPMN:



Normalization:

NORMALIZATION

REGISTRATION	R_ID → r1 Std_ID → st1 Sec_ID → s1
DEPARTMENT	dept_ID → d1 dept_Name → d1.1
CO	CO_ID → c1 Course_ID → co1 Sec_ID → s1 Dept_ID → d1
SECTION	Sec_ID → s1 semester → s2 Course_ID → co1 Prog_ID → p1
COURSE	Course_ID → co1 Course_Name → co1.1 Prog_ID → p1
INSTRUCTOR	INS_ID → i1 INS_Name → i1.1 dept_ID → d1

PROGRAM	Email → p1 Contact → ph1 Prog_ID → p1 Prog_Name → p1.1 Dept_ID → d1 Po_ID → po1 Po_Name → po1.1 Grades → po2 Markes → po2.1 Asses_ID → a1 Ans_ID → a1.1 Que_ID → q1 Que_ID → q1.1 Std_ID → st1 Gender → st2 Asses_ID → a1 Asses_Name → a1.1 Sec_ID → s1
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STUDENT	Std_ID → st1 Name → st1.1 Gender → st2 Asses_ID → a1 Asses_Name → a1.1 Sec_ID → s1
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