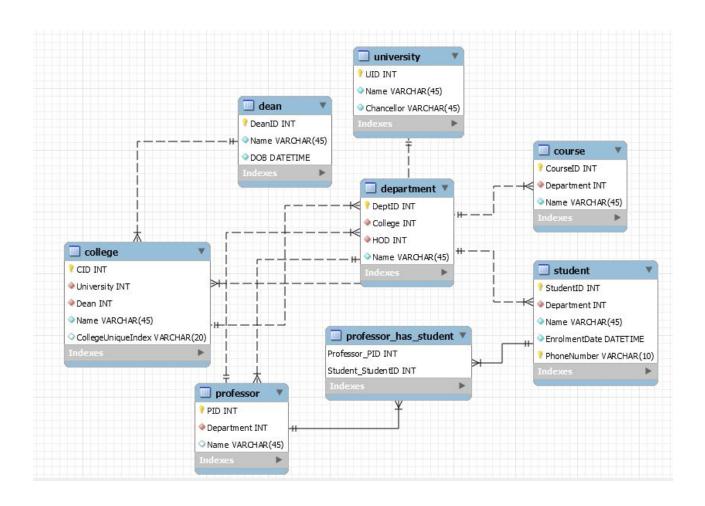
DBMS Assignment - 2

- 1. Showcased a many-to-many relation between Professor and Student with Professor_has_Student.
- 2. Composite key :~

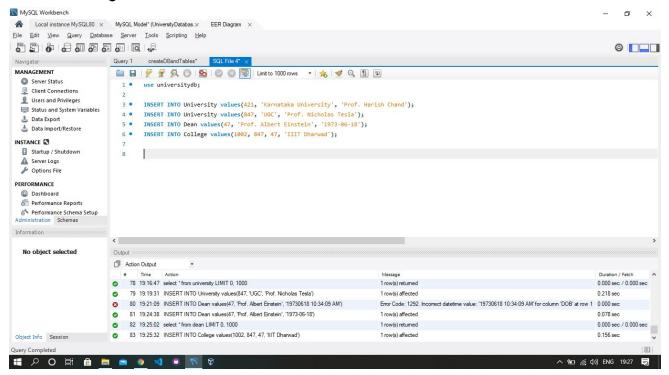
In Professor_has_Student entity : Primary
key(Professor_PID, Student_StudentID)

Weak Entity :~ Professor_has_Student

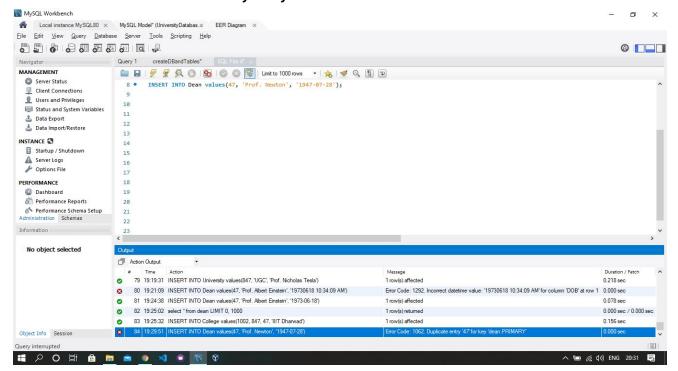


<u>Updated EER diagram of University Database</u>

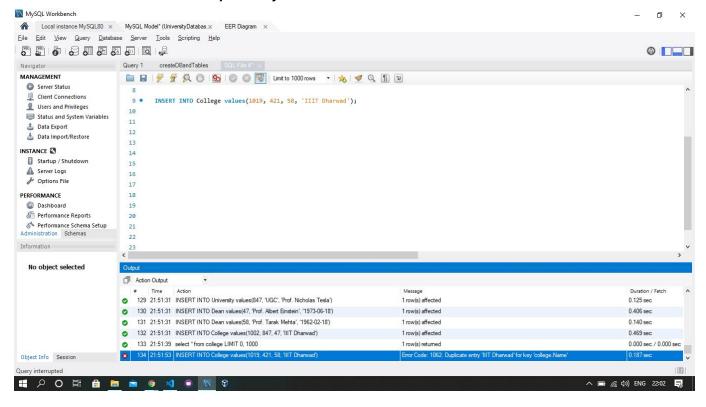
3. Inserting data into tables :~



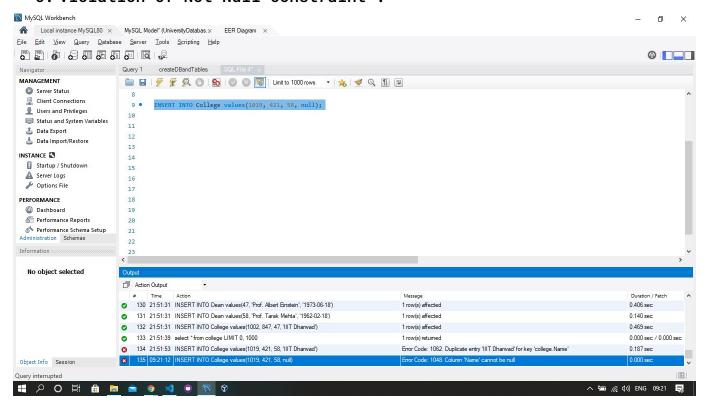
a. Violation of Primary Key constraint :~



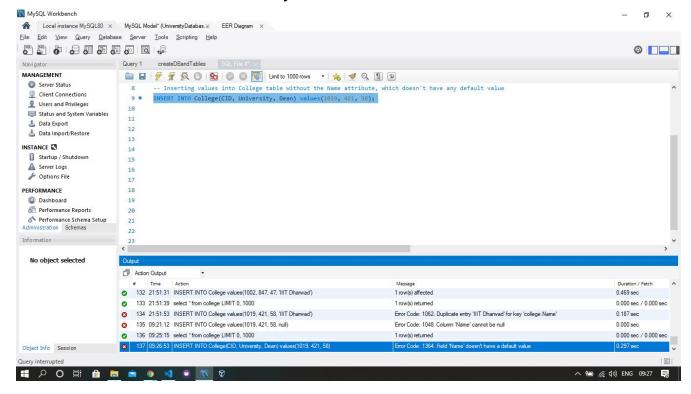
b. Violation of Unique Key constraint :~



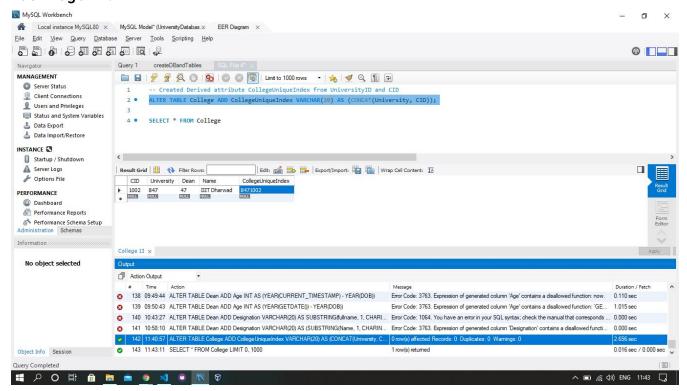
c. Violation of Not Null constraint :~



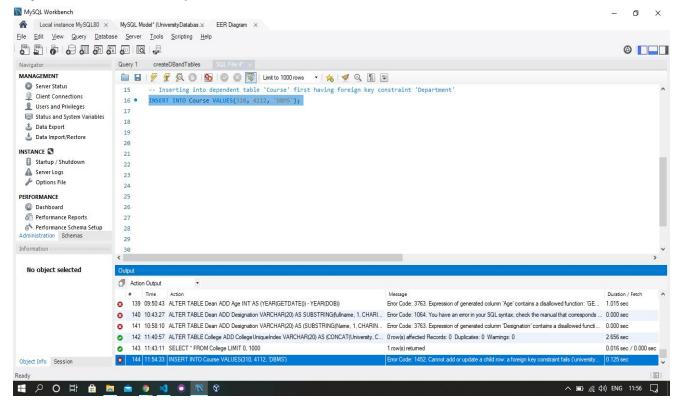
d. Violation of Default key constraint :~



4. Derived attribute 'CollegeUniqueIndex' added to the table 'College' :~



5. Inserting into dependent table 'Course' first, having foreign
key constraint 'Department' :~



The insertion is restricted and an error is thrown.