







## ERD Diagram Scenario Explanation:

### ① Scenario #1:

Imagine a new student wants to enroll in our coaching. The Admin first asks him about his grade and courses. He then opens our application and checks whether these courses are offered or not and the no. of seats available in available course is  $> 20$ . Then the admin inputs all required fields then a new user is added in a database, which means a new student should also be added and a new record is added in result table with a default value (NULL). A notification is generated with notification\_ID that corresponds to teacher\_ID that teaches that course in which he is trying to enroll.

② Scenario #2: We are hiring a new teacher who teaches an existing course, then simply a new record is added in teacher table with all necessary details and a notification generated. In case a teacher is hired for a new course then we have to add a new course outline.

and also the slots are added in  
time table . and a new result\_ID  
is also been added.