

The following changes were made on the Initial ERD after Professor's suggestion –

- Addition of SubType Discriminator – EmployeeType to both entities – PROFESSOR and STAFF
- Included Associative Entity COURSE CATALOG between UNIVERISTY CAMPUS and COURSE OFFERING as there was a many-to-many relationship between them.
- Renamed COURSES to COURSE OFFERING – as courses offered is a subset of course catalog.
- Renamed REGISTRATION to COURSE REGISRATION
- Creating a relationship between SECTION and STUDENT rather than COURSE OFFERING and SECTION as the initial relationship didn't make much sense.
- Removed Multivalued attribute – {CourseName} from COURSE REGISTRATION entity as a part of normalization process.
- Inclusion of Associative Entity BUILDING between UNIVERISTY CAMPUS and DEPARTMENTS as there was a many-to-many relationship between them
- Inclusion of Associative Entity TEACHES between PROFESSOR and COURSE OFFERING as there was a many-to-many relationship between them.
- Changing GRADES to an associative entity between COURSE OFFERING and STUDENTS.
- Ensured every entity as a primary key (including the subtype entities).
- Converted most of the entities to its normalized form (adding foreign keys on the 'many' or the 'optional' cardinalities of relationships) and ensured that it's in the form of logical data model.