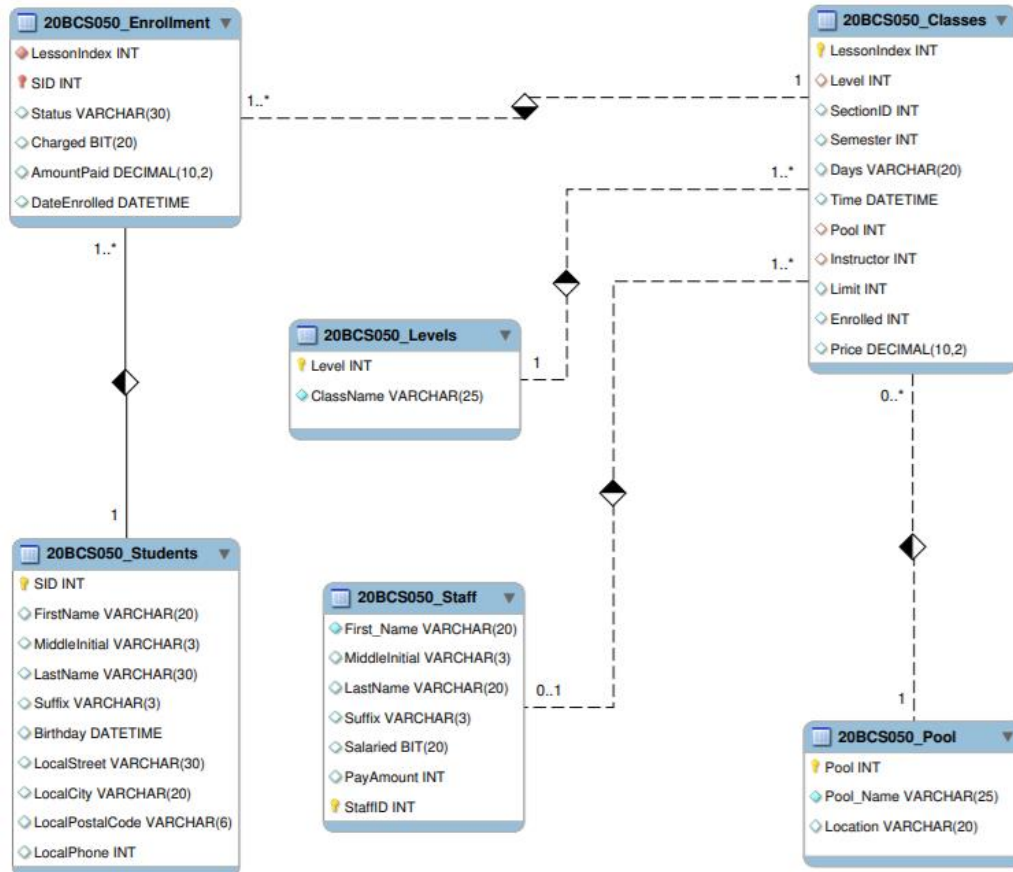


# **DBMS-HACKATHON**

NAME: HARSH RAWAT

ROLL NO: 20BCS050



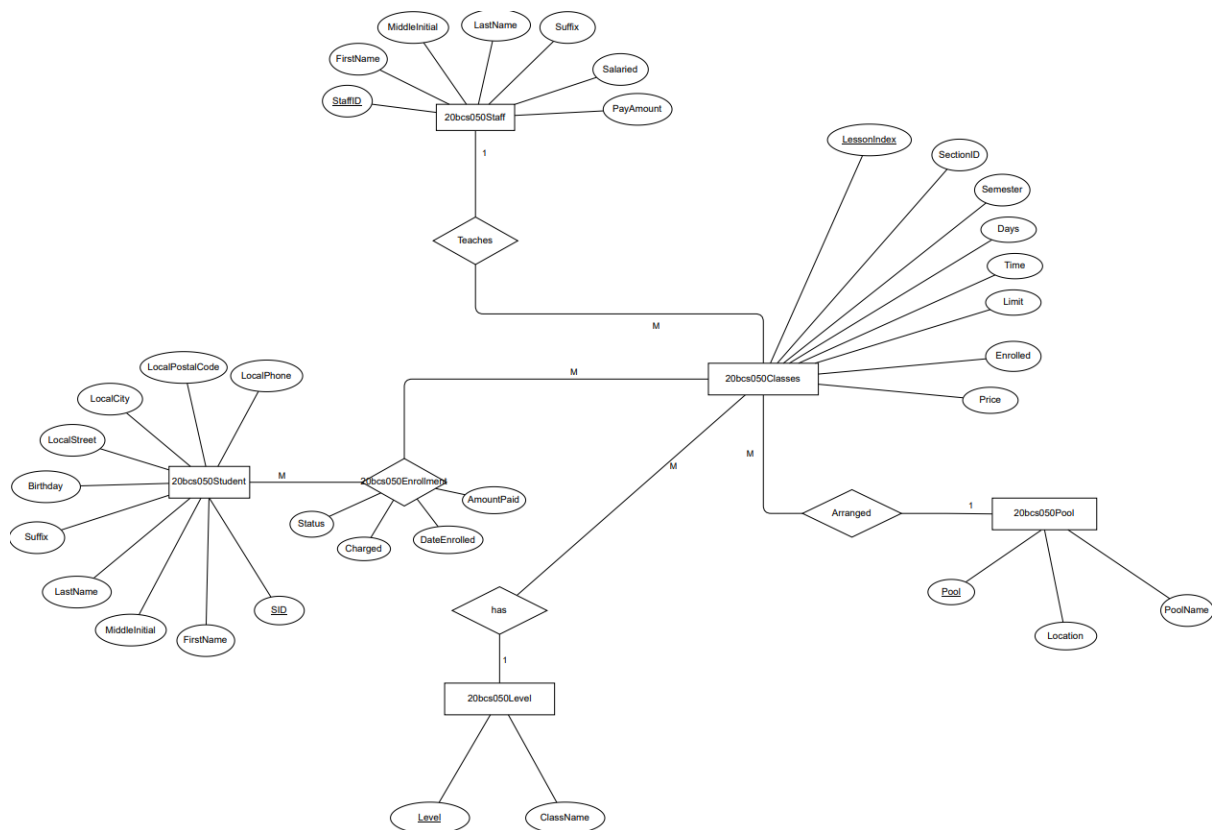
2. All the relationships in the above ERD diagram are binary relationships.

**The Degree of these relationships is 6 (Quaternary)**

**The cardinality of these relationships is as follows:**

- Students-Enrollment : One to Many

- Enrollment-Classes: Many to One
- Classes-Staff: Many to One
- Classes-Pool: Many to One
- Classes-Level: Many to One



The only weak entity in this model is 20BCS050Enrollment.

This is because it does not have a Primary Key consisting of attributes of its own, but has 2 Foreign Keys taken together as its Primary Key. Therefore, the entity's existence depends on the existence of the other 2 entities.

Remaining all entities are strong.

There is no data redundancy occurring in this model.

All the tables have the necessary and relevant information stored in them, and

where there is a need, foreign keys are made use to reference data in other relations.