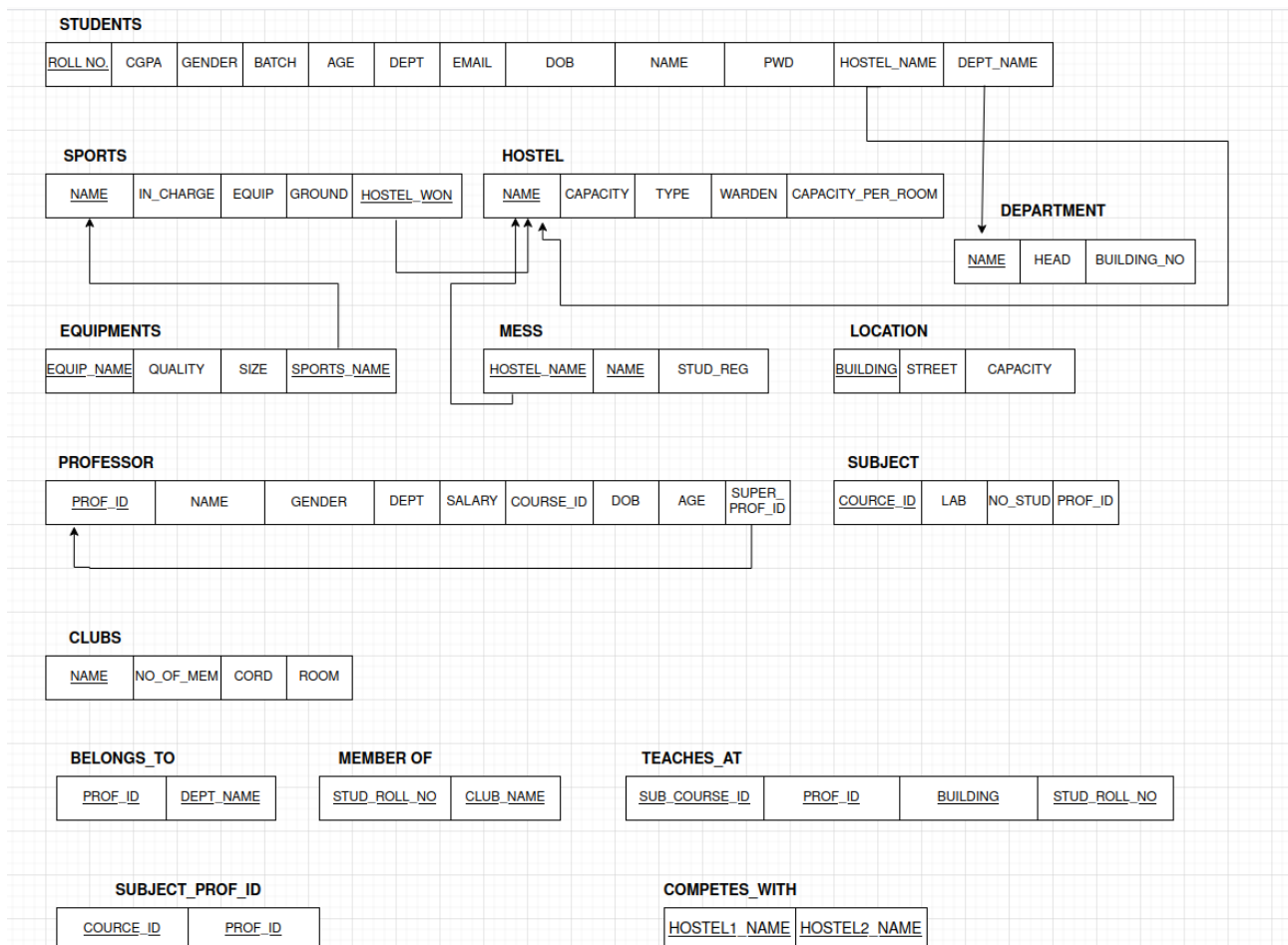# DnA Project Phase 3

Team No. 58

Relationship Diagram

Relations Hostel contains Mess, Prof supervises Prof, Sport won by Hostel, Student belongs to Department, Sports has Equipment has been accounted in the entity table itself.

1NF, 2NF, 3NF

Name is a composite attribute of Students Entity Type, it has been split into fname, lname and mname in the 1NF form.

Coord is a multivalued attribute of Clubs entity type with maximum 3 values possible. It has been split into Coord1, Coord2, Coord3 in the 1NF form.

Now this diagram is also in 2NF and 3NF because the relations do not have any non prime attributes.

STUDENTS

ROLL NO.	CGPA	GENDER	BATCH	AGE	DEPT	EMAIL	DOB	F_NAME	M_NAME	L_NAME	PWD	HOSTEL_NAME	DEPT_NAME

SPORTS

NAME	IN_CHARGE	EQUIP	GROUND	HOSTEL_WON

HOSTEL

NAME	CAPACITY	TYPE	WARDEN	CAPACITY_PER_ROOM

DEPARTMENT

NAME	HEAD	BUILDING_NO

EQUIPMENTS

EQUIP_NAME	QUALITY	SIZE	SPORTS_NAME

MESS

HOSTEL_NAME	NAME	STUD_REG

LOCATION

BUILDING	STREET	CAPACITY

PROFESSOR

PROF_ID	F_NAME	M_NAME	L_NAME	GENDER	DEPT	SALARY	COURSE_ID	DOB	AGE	SUPER_PROF_ID

SUBJECT

COURCE_ID	LAB	NO_STUD	PROF_ID

CLUBS

NAME	NO_OF_MEM	COORD1	COORD2	COORD3	ROOM

BELONGS_TO

PROF_ID	DEPT_NAME

MEMBER OF

STUD_ROLL_NO	CLUB_NAME

TEACHES_AT

SUB_COURSE_ID	PROF_ID	BUILDING	STUD_ROLL_NO

SUBJECT_PROF_ID

COURCE_ID	PROF_ID

COMPETES_WITH

HOSTEL1_NAME	HOSTEL2_NAME