PLACEMENT DATABASE DESIGN

LOGIN

USERNAME	VARCHAR(30)-NOT NULL
PASSWORD	VARCHAR(30)-NOT NULL
ACC_RIGHT	NUMBER(1)-NOT NULL

STUDENT

S_ID	CHAR(9)-NOT NULL
S_NAME	VARCHAR(30)-NOT NULL
BRANCH	VARCHAR(30)-NOT NULL
PNO	NUMBER(10)-NOT NULL
E_ID	VARCHAR(30)-NOT NULL
CGPA	NUMBER(3,2)-NOT NULL
A_YEAR	NUMBER(2)-NOT NULL

COMPANY

C_ID	NUMBER(6)-NOT NULL
C_NAME	VARCHAR(30)-NOT NULL
FIELD	VARCHAR(30)-NOT NULL

SCHEDULE

S_ID	CHAR(9)-NOT NULL
C_ID	NUMBER(6)-NOT NULL
S_DATE	DATE-NOT NULL

RESULTS

C_ID	NUMBER(6)-NOT NULL
S_ID	CHAR(9)-NOT NULL
P_OFFERED	NUMBER(8)-NOT NULL
OFFER_ACC	NUMBER(1)-NOT NULL
R_DATE	DATE

COMP_REG

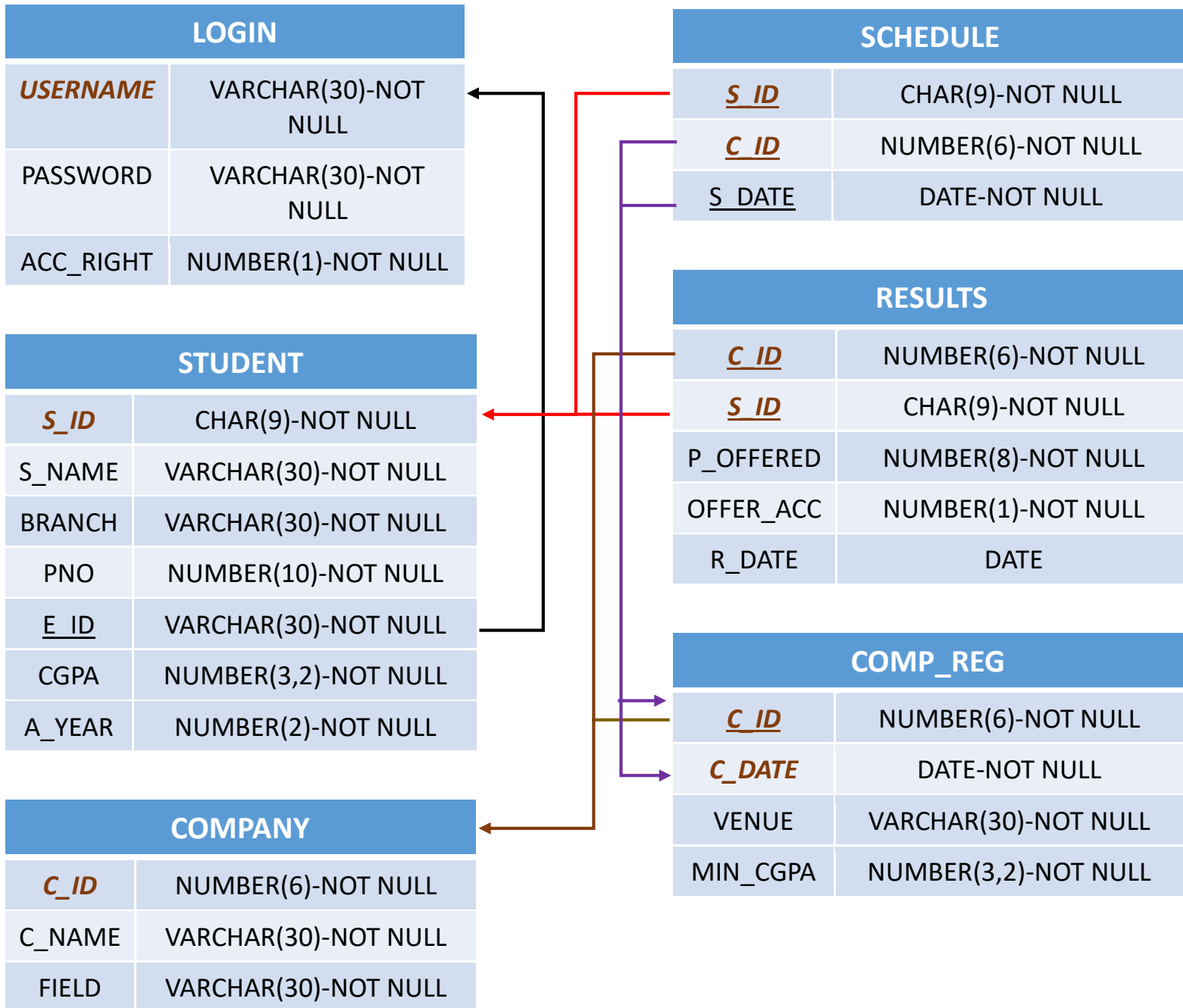|	
C_ID	NUMBER(6)-NOT NULL
C_DATE	DATE-NOT NULL
VENUE	VARCHAR(30)-NOT NULL
MIN_CGPA	NUMBER(3,2)-NOT NULL

- All foreign keys are underlined
- Primary keys have *this* color
- Referential Integrity shown by arrows pointing from foreign keys to primary key
- Dual arrow implies multi attribute referential integrity

USERS – (Admin, Student)

- Students can register in companies they are eligible to. i.e. fills schedule table.
- Admin can add/edit list of companies and their details.
- Student details to be filled by students during sign up.
- Username of the student is the email id.
- Email id must have @iitbbs.ac.in
- Student and administrator can view all result data.
- Admin will fill up results table. Trigger will check presence of schedule if no student is not selected through ppo.
- Trigger on update of result table. If offer accepted made 1 for that student delete all his entries in schedule.
- Date null in results implies PPO.

Drawbacks:-

- Company cannot edit its details – no company login.
- More features like results pi-charts and graphs cannot be viewed.

DBMS Lab Project on Placement Database

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