PLACEMENT DATABASE DESIGN

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| **SCHEDULE** | |
| ***S\_ID*** | CHAR(9)-NOT NULL |
| ***C\_ID*** | NUMBER(6)-NOT NULL |
| S\_DATE | DATE-NOT NULL |

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| --- | --- |
| **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 |

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| --- | --- |
| **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 |

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| --- | --- |
| **LOGIN** | |
| ***USERNAME*** | VARCHAR(30)-NOT NULL |
| PASSWORD | VARCHAR(30)-NOT NULL |
| ACC\_RIGHT | NUMBER(1)-NOT NULL |

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| --- | --- |
| **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 |

* 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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