

Database Tables and Relationships

1. Tables

- a. Student Login / Account
 - i. Number / Email -- Primary Key & Foreign Key
 - ii. Password
 - iii. First Name -- Not Null
 - iv. Middle Name -- Not Null
 - v. Last Name -- Not Null
 - vi. gender -- Not Null
- b. Student Registration
 - i. Number / Email -- Primary Key & Foreign Key
 - ii. Branch
 - iii. Year
 - iv. Category
 - v. Last year's marks
 - vi. CGPA -- If any two students have same year / category & Marks then rank will be determined through CGPA
 - vii. Marksheet image
 - viii. Cap Form -- To verify candidates' category
 - ix. Verified – Y/N

2. Ranking Table

- a. These tables will be generated after successful registration of all students / after deadline / on admins request.
- b. Each Branch will have Eight Tables – 4 for 1st to 4th year girls and another 4 for 1st to 4th year boys .
- c. Attributes --
 - i. Number / Email -- Primary Key & Foreign Key
 - ii. Branch
 - iii. Year
 - iv. Rank

3. Seat Table

- a. Seat No. -- Primary Key
- b. For Gender
- c. For Category
- d. For Year
- e. For Branch
- f. First Name
- g. Middle Name
- h. Last Name
- i. Number / Email – Foreign Key / Not Null
- j. Accepted – Y/N
- k. Payment – Y/N