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 SGPA
      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