

Title: - A database system for Board examination system

Scope:-

An Educational-organization – Central Board of secondary education conducts board examination all over the country. Our task is to keep track of exams conducted, candidates appearing, faculties setting paper, examination supervisors etc. Database requirements are mentioned below.

Description/Requirements:-

- Students will have Student-Enrollment number, Aadhar card number, Name, address, stream, email-Id, Date of birth, Gender, Father/guardian name, Phone number, School, Exam center, Disabilities
- Examiners will have examiner id, name (Firstname, Middle name, Lastname) Date of birth, Gender, qualification (bachelor or master or doctorate), stream, preferred subject, Email-Id
- Subjects will have subject id, subject name, stream it belongs to.
- Streams will have stream number and stream name
- School will have its unique identification number, its name, area, city, state, landmark, school representative (contact person).
- School-Representative name (Firstname, Middle name, Lastname), email-Id, contact number
- Every student must come from only one school
- Exam center will be allotted on basis of the capacity to hold the examination
- Every student can belong to anyone stream only
- Student can select the subject from their stream's electives only

- student have to appear for at least 5 and up to 8 subjects only.
- A examiner can set a paper of only one subject that year
- A supervisor can visit one exam hall only once in that year
- A supervisor can be assigned one hall at one time.
- Only exam of one subject from one stream can be conducted in one time slot
- Exam checkers will be assigned papers randomly according to their subject.
- Student can repeat the examination in that subject only in case if they get failed or total marks less than 45%.

Quires that the database system should be able to answer :

- who got most marks in physics in the academic year 2008
- How many students are reappearing for the examination
- how many student got failed in more than 2 subjects
- how many supervisor got to work in more than 2 consecutive days
- From how many schools all students got passed