**PROBLEM STATEMENTS**

1. New registration: Any student eligible to enter the college upon completion of registration process will be entered into the database.
2. Deletion: Upon completion of the courses and passing out of the college the student’s information will be deleted from whole database.
3. Update: If there is any change in the records of a student then it will be updated with the latest information.
4. The main entity set STUDENTS will be the centre point of the whole database. It will contain the basic information regarding students. The attribute Roll\_No will be the PK for the entity set and the entity set will have FD Roll\_No->Name,Branch,Year. Only the Admin will have access to this entity set.
5. The entity set Personal\_Info will be related to the STUDENTS entity set with total participation from STUDENTS entity set. The primary key will be the attribute Roll\_No of this entity set. The college faculty will have access to this entity set.
6. The entity set Biodata will also have total participation relationship with the entity set STUDENTS. It will contain the Physiological information regarding the students. The college doctor will be the one having administrative access to this entity set.
7. The STUDNETS academic records will be stored in the entity set Academics. It will hold information regarding the students’ performance in courses. The teaching staff of the college will have administrative access to this entity set so that they can update the CPI/SPI of the students as necessary.
8. The entity set Fees will have total participation from the set STUDENTS. It will contain information regarding the transactions that took place during the entire course of study of a student. It will contain Date, time , transaction id for the convenience of the student.
9. The entity set courses will contain the basic information about the courses that a student is currently registered on. After completion of the semester the information regarding grades and status of the course can be seen in the academic section of the student portal.
10. Each student will be given a separate guest id and password at the time of completion of registration process so that they can keep track of their performance, courses registered, check for any discrepancies in the information etc. The student has to keep these secure from other students and must not lose this information.
11. Whenever a student will be deleted from the ‘student’ table all his records will be deleted from the entire database, i.e., from each and every table.