

Approach to solve the problem:

As we have to maintain a database of students which stores their personal documents, our approach is to create a website which will be the interface between database and user. Users can be students, institutions or a government department. We will keep a login page for each user and an extra signup page for students. Using user-roles in database systems, we would limit the access to the documents according to the user. A student has only access to view and download documents and students can raise a query which will be handled by the institution and the institution has the access to edit, update the documents. We are also thought of maintaining a list of institutions in which a student had studied or currently studying. The current institution would have full access to their roles but we want to restrict previous institutions to unintentionally change the documents and for this we would implement user roles and using this, whenever such institutions want to access the database, they would require permission from students. A government department has only access to view the documents and we are thinking of a double verification system using email, which would take the permission from students whenever the govt. dept. Is trying to view the documents of particular students.