**Project Title:**

**University Card Recognition through image processing**

**Introduction:**

This software will be a desktop application which will allow the users to enter their university card through image and the system will recognize the image and convert all the information in the card in the form of text. This will allow the users to rather than save the data separately, they will just have to input the image of the card then all text will be saved in the database.

In the same way, when the user who has already placed its data in the system uses again, will give the image and all the data from the database will be extracted. Displaying the details of the cards. It will recognize the image which has been given once before.

There will be also live camera from which card can be shown and picture can be taken.

**Process:**

Image processing will be done by OCR. External API’s will be imported from which visual data can be converted to text and it will be saved into the database.

**Functionality:**

1. **Upload image/take image.**
2. **Extract text from card through OCR.**
3. **Save image of student from card using object recognition.**
4. **If this is a new student, it will enter relevant information in database.**
5. **If it is old student, it will match card image and extract data from database.**

**Bonus Feature:**

Will try to implement face recognition in which only picture of student will be uploaded and its relevant data will be displayed.

**Tools:**

* Language: C# and SQL
* Visual Studio
* External API’s.