Title – Text Recognition

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Project Details -> This project enable users to extract **necessary** data from any documents , receipts ,forms ,etc. The only thing user has to do is to scan the original copy of form and specify the region of interest in the form (region from where to extract the data) then ,whenever the user scans the new filled form with info the program automatically extracts the data from region of interest and save it in CSV file. It uses the concept of **OCR** (optical character recognition) . Using this user can extract data from numbers of forms or documents in very short period of time without giving much time and efforts.

Features -> Till now we are able to use the image of forms or documents and extract the data from it and save it in CSV file.

Practical Use -> This projects enables user to extract data very efficiently . There are many practical applications of this projects some of them are:

[ Data entry](https://en.wikipedia.org/wiki/Data_entry_clerk) for business documents, e.g. [Cheque](https://en.wikipedia.org/wiki/Check_clearing" \o "Check clearing), passport, invoice, bank statement and receipt

 [Automatic number plate recognition](https://en.wikipedia.org/wiki/Automatic_number_plate_recognition" \o "Automatic number plate recognition)

 In airports, for passport recognition and [information extraction](https://en.wikipedia.org/wiki/Information_extraction)

 Automatic insurance documents key information extraction

 [Traffic sign recognition](https://en.wikipedia.org/wiki/Traffic_sign_recognition" \o "Traffic sign recognition)

 Extracting business card information into a contact list[[10](https://en.wikipedia.org/wiki/Optical_character_recognition#cite_note-10)

Libraries used – Open CV , numpy , pytesseract

Updates to be implemented –

# We will try to make it user friendly so that even non technical person can also use it

# We will try to turn it into Android app or Web app