# Project Aim

The project aims to develop a computer vision system capable of accurately extracting characters from visual and image data using the OpenCV library.

## Installation

To install the project, follow these steps:

1. Clone the repository from GitHub:

```

git clone https://github.com/Ajaneeshwar

```

2. Navigate to the project directory:

```

cd Ajaneeshwar

```

3. Install the required dependencies. Ensure you have Jupyter Notebook installed, along with Python 3.5+ and a camera-enabled system.

## Tech Stack

\* Jupyter Notebook

\* Python 3.5+

\* Camera-enabled system

## Project Merits

- \*\*High Accuracy and Precision\*\*: The system ensures accurate character extraction.

- \*\*Efficiency in Processing\*\*: It efficiently processes visual and image data.

- \*\*Scalability\*\*: The system is designed to scale as per requirements.

- \*\*Open-Source\*\*: The project is open-source, fostering collaboration and innovation.

- \*\*Translation Services\*\*: Provides translation services for extracted characters.

- \*\*Optical Character Recognition (OCR) for Data Entry\*\*: Enables OCR for efficient data entry tasks.

- \*\*Banking and Financial Services\*\*: Can be integrated into banking and financial systems for various applications.

- \*\*ID and Passport Scanning\*\*: Capable of scanning IDs and passports for identification purposes.

## Features

The project offers the following features:

- Extraction of characters from images

- Extraction of characters from videos

- Extraction of characters from visuals

## Authors

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To run the project, ensure you have followed the installation steps and have the required dependencies installed. Then, explore the Jupyter Notebook files provided in the repository for detailed instructions and usage examples.