Part 1: Automated Water Meter Reading System

Project: Water Meter Digitization in Rwanda

Background:

Water Meter Digitization project aims to streamline water meter reading processes in Rwanda by digitizing traditional mechanical meters using OpenCV and Python.

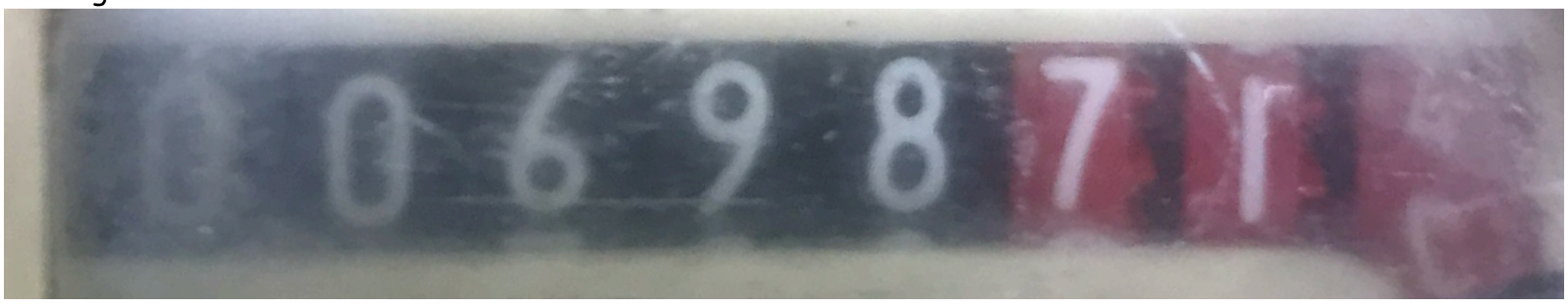
By capturing images of the meters, processing them to extract text with OpenCV, and storing the readings in a database, the system automates the reading process, enhancing efficiency and accuracy.

This digitization effort not only simplifies billing procedures but also facilitates better water management practices, contributing to sustainable resource utilization.

Task 1.1: Extract the reading as a text

Deadline: Sunday, Feb 11, 2024

A camera has captured an image attached below. The image has been manually cropped to focus on the region of interest (ROI). Write a python program that uses OpenCV and Tesseract (if necessary) to extract the reading as a text:



Can you read what is on the picture?

If Yes, enable the computer read it as well.

Note: The work is individual.

Submission Link: https://forms.gle/jBtdV6pqVej89bLQ9