

Handwritten Number Recognition

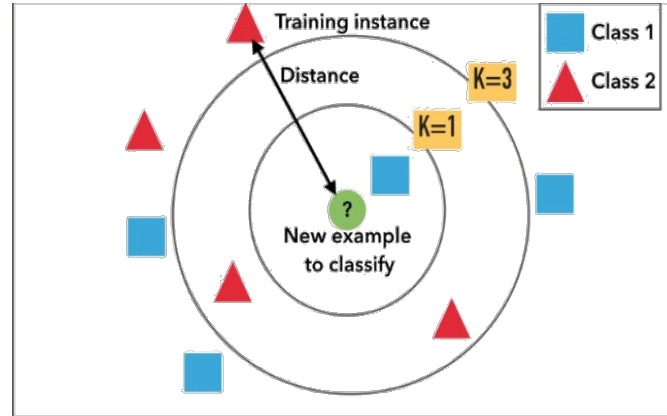


Raspberry Pi

Remote Control

GPIO

Pi Camera

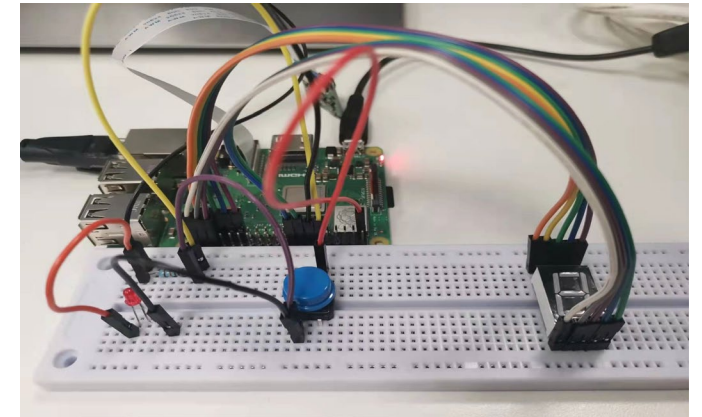


Python

OpenCV

KNN algorithm

Image Processing



Circuit

Circuit construction

Digital tube

Camera control

Handwritten Number Recognition

In this project, we will try to perform simple recognition of handwritten numbers. Raspberry Pi will be our platform, on which we will complete operations such as color gamut conversion, segmentation, and denoising of digital images. After that, we will complete the recognition of handwritten numbers based on the KNN algorithm. In addition, we will build a digital tube display circuit to display the results, and a camera control circuit to control the shooting of the camera.

分阶段任务



