Abstract

This paper contains the results of a trial of implementing a technology-based security system using Face Recognition with the haar-cascade classifier method and notifications using a telegram application that is applied to miniature doors using Raspberry Pi 2 as the main microcontroller. Where if you want to unlock the selenoid face the user must first be registered into the dataset. Based on the results of trials that have been done that the system can 100% distinguish faces that have been registered in the dataset with faces that are not registered in the dataset.

Kata word: **Dataset, Face Recognition, PIN, Raspberry Pi 2.**