

ABSTRACT

In digital presence system especially using RFID, the weakness are the originality of incoming data and the risk of losing an RFID card. Based on these problems, a presence system is created using face recognition. Overall system consists of three stages, face recognition, website login, and connectivity with google sheets and LCD. This system made using with raspberry pi, webcam and LCD. OpenCV is used as a library in image processing. The result show that system can recognizes person's face according to the dataset that stored inside system with an accuracy about 50%-60% depending on intensity of light in the room, after system recognizes person's face then data will be sent to google sheets and appear on the LCD.

Keyword: Face Recognition, Image Processing, Raspberry Pi, Google sheets.