



FINAL YEAR PROJECT REPORT

**CURRENCY DETECTION APP FOR BLIND
PERSONS**

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

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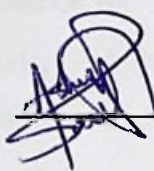
BAHRIA UNIVERSITY (KARACHI CAMPUS)

FALL-2022

DECLARATION

We hereby declare that this project report is based on our original work except for citations and quotations which have been duly acknowledged. We also declare that it has not been previously and concurrently submitted for any other degree or award at Bahria University or other institutions.

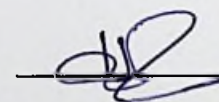
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CURRENCY DETECTION APP FOR BLIND PERSONS

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CURRENCY DETECTION APP FOR BLIND PERSONS

ABSTRACT

Recognizing monetary notes is simple for a normal person, but it is not so for a visually impaired individual. A visually impaired person is someone who has either a partial or complete loss of vision. They face numerous challenges in their daily lives, including monetary interactions. Due to the similarity in paper texture and size of different types of currency notes, they have difficulties distinguishing between them. Institutions like as banks can afford expensive technology to address the issue of currency recognition, but the general public, particularly the visually challenged, cannot. The goal of this project is to assist such individuals and provide a cost-effective solution. This project proposes the creation of a money detection software that will aid in the identification of Pakistani currency notes. Based on Convolutional Neural Networks, we proposed a system for blind or visually impaired people to detect Pakistani cash (CNN). Seven different Pakistani paper currency notes (Rs.10, 20, 50, 100, 500, 1000, and 5000) are used for training and testing in the proposed system. This system, which will be implemented using image processing techniques and will be deployed as an Android application, will aid in the identification of money notes.

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