

CURRENCY DETECTOR APP FOR VISUALLY IMPAIRED

Visual impairment poses challenges in recognizing paper currencies due to similar textures and sizes. This app addresses the issue by allowing users to verbally command the camera to capture and identify notes.

INTRODUCTION

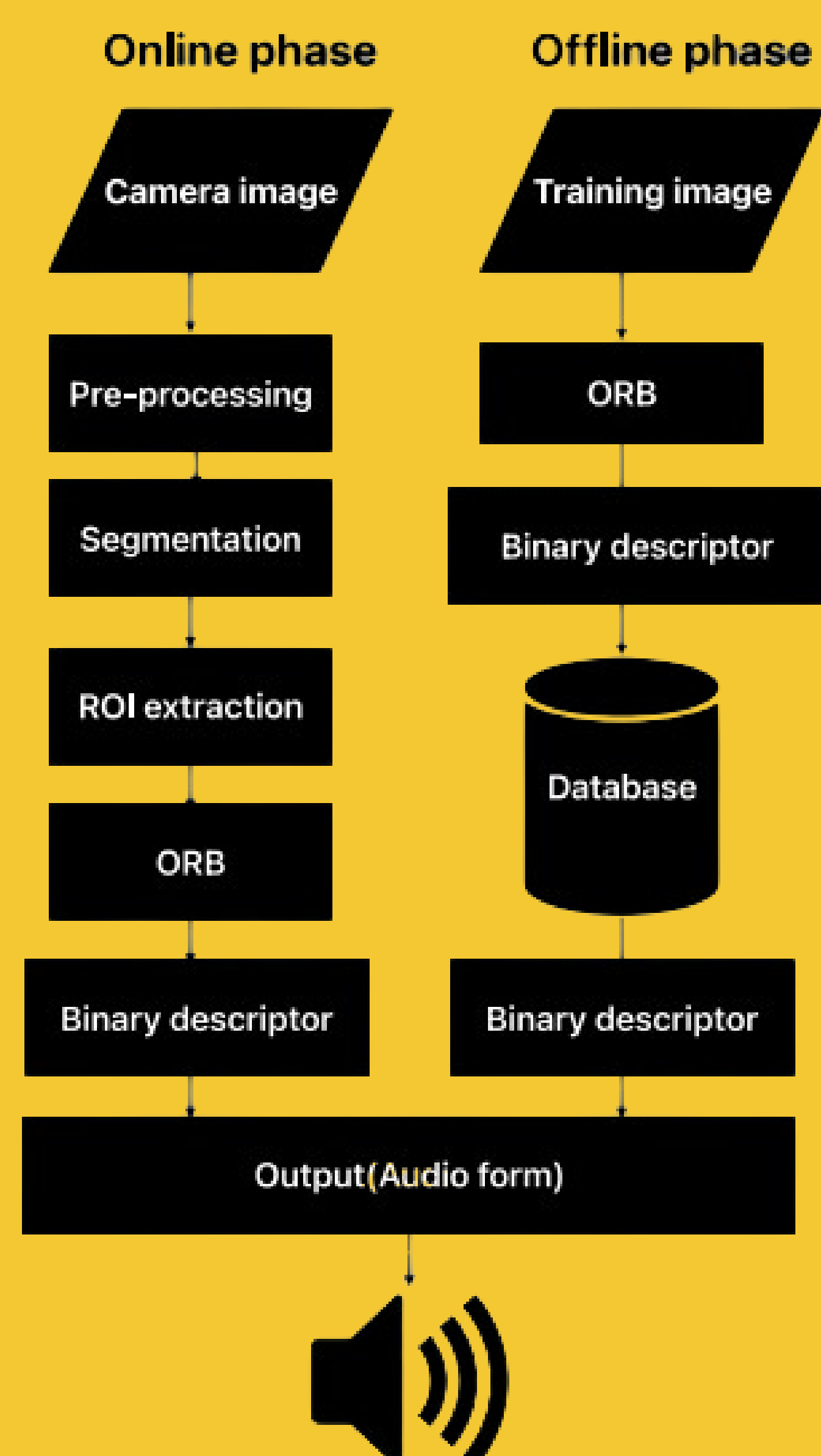
Blind individuals face challenges distinguishing between currency due to similar textures and sizes, hindering financial transactions. This program aids them by allowing voice commands to activate the camera, which then captures and identifies rupee notes, announcing their denominations to the user.

OBJECTIVE

We aim to empower visually impaired individuals by offering an intuitive app interface with real-time audio feedback for identifying banknotes.



METHODOLOGY



RESULTS

The proposed system detects the object through mobile camera and provides voice output for currency. It warns against obstacles and detects the right currency. The project solves basic problems faced by the visually impaired.

RELATED LITERATURE

Research is often built on something that is already out there. Cite key references that you looked at while conducting your study.

Authors

Mr.D.Srinivas Goud Assistant Professor
N.Rajesh
N.Ramshankar
P.Vamshi

Affiliations

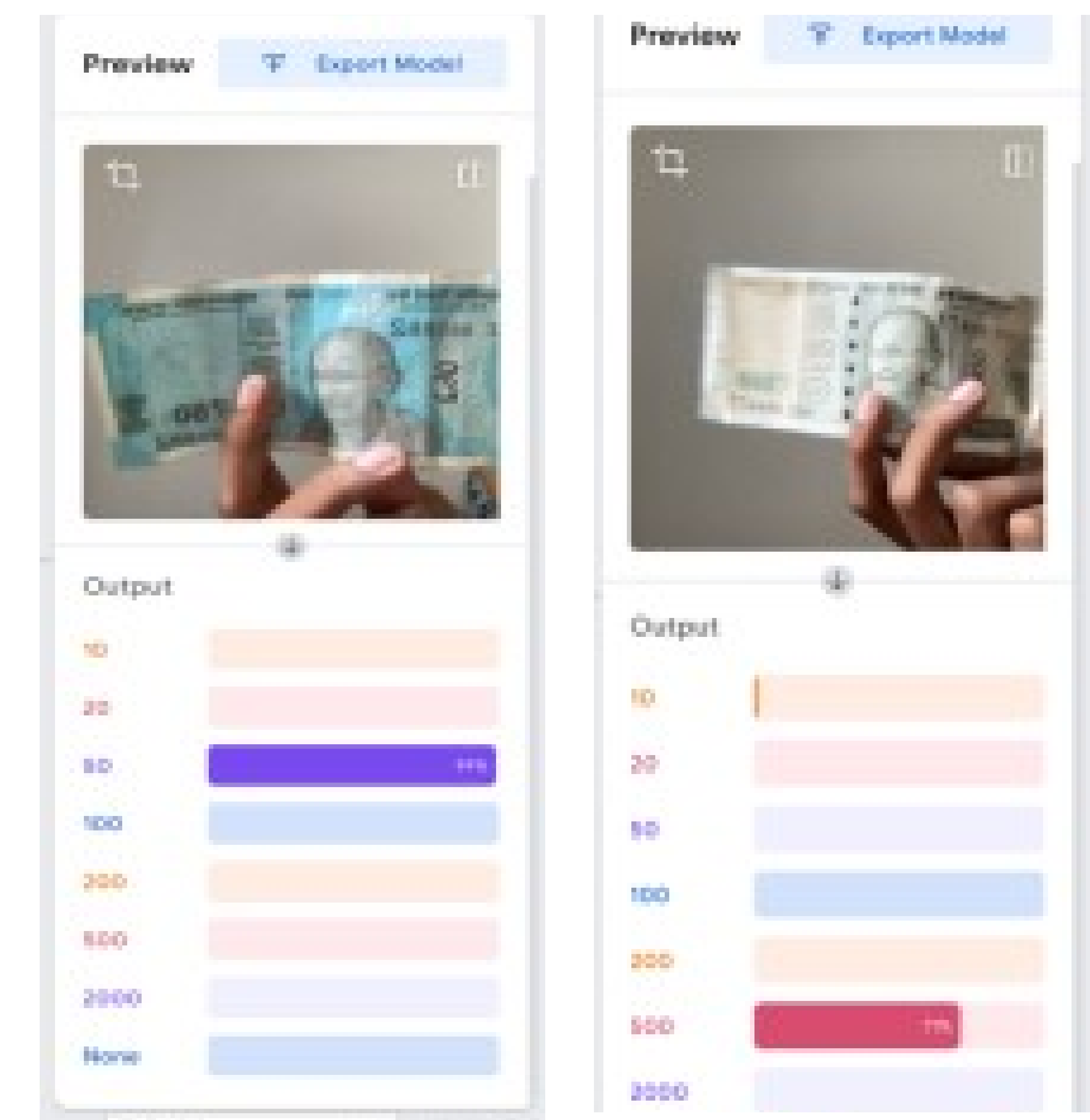
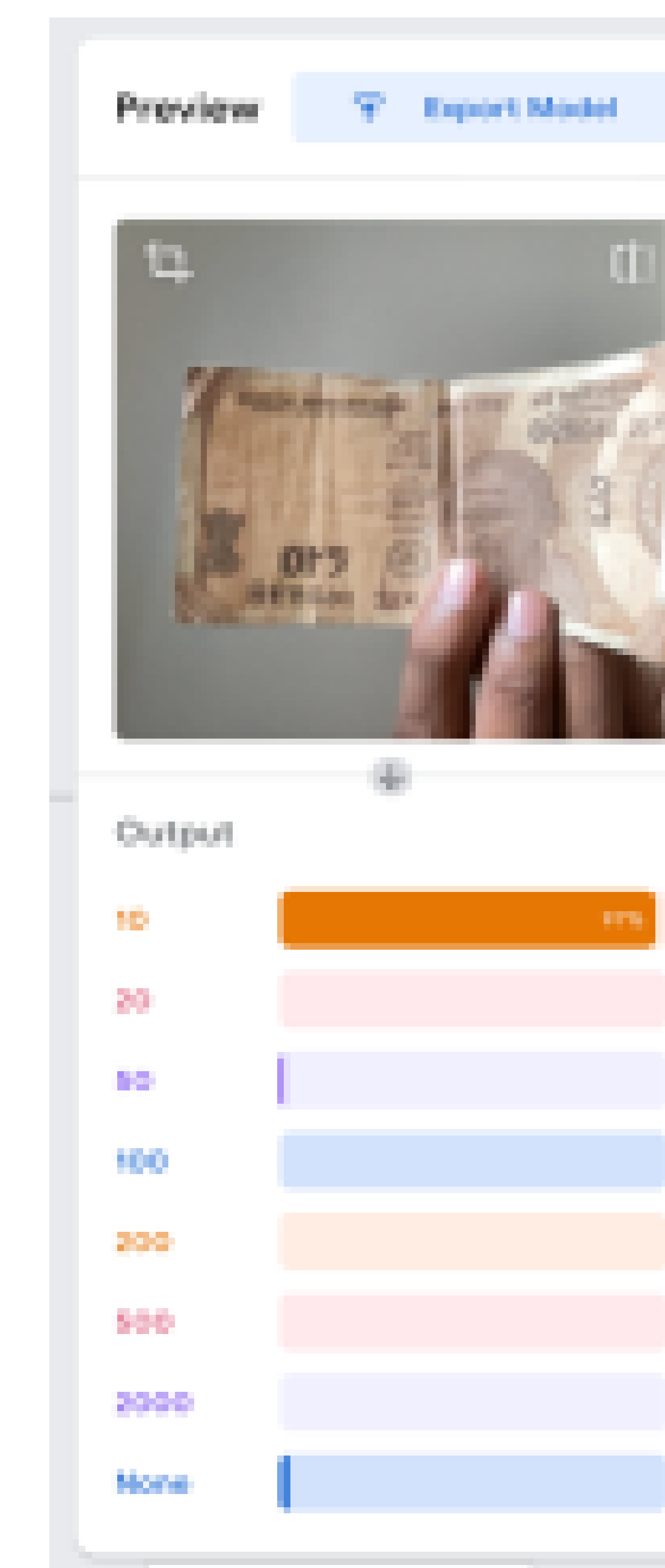
VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY



VIGNANA
BHARATHI

ANALYSIS

An easy method for training machine learning models for object identification, sound classification, and image classification is offered by Teachable Machine, a browser-based platform. Teachable Machine's user-friendly interface and robust pre-built models enable developers to construct unique machine-learning models for a variety of uses, such as currency recognition.



Teachable Machine image classification can be used to recognize and categorize various cash denominations in the context of a currency detector project.

CONCLUSION

Our project introduces a mobile app for blind users, focusing on currency recognition for Indian banknotes. Utilizing the YOLOv3 algorithm, it delivers regional audio output. Future plans involve enhancing the app's capabilities to classify original and counterfeit currency, as well as incorporating foreign language support and expanding to recognize foreign currencies.