

## ABSTRACT

According to Orbis International, reports reveal that globally there are 43 million people living with blindness in 2021 which is a quite miserable statement. In most cases, these people require constant support in almost all scenarios especially in their day to day activities. Some of the major challenges include difficulty in moving from one place to another without the assistance of someone. Other challenges include difficulty in recognizing people and detecting obstacles, etc. In order to count avert these situations, we propose the "See For Me" mobile App. The App involves using a collaboration of Software, AI and Hardware with Ultrasonic sensor to detect obstacles with a reasonable detection range. The application uses voice interfaces, voice recognition, and voice dialogue management that helps blind users to function without the need of visual perceptions.

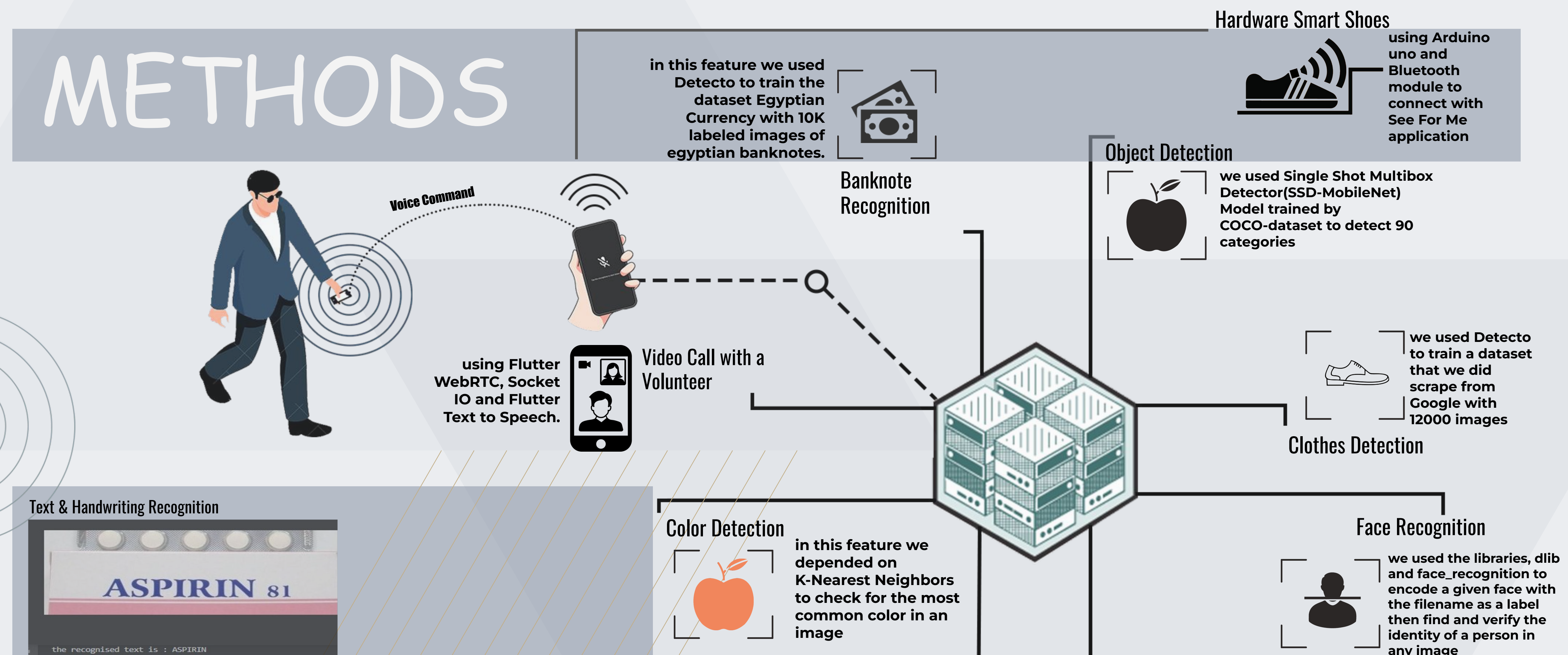
## BACKGROUND

Based on our researches we have found out that there were various contributions done to help blind people that were primarily relying on a second party for help and assistance, such as creating devices and programs for calling someone or redirecting the blind to someone they know. We also found a huge effort done to create smart sticks and glasses for the blinds programmed to help them to avoid accident and detect objects. Our App combines these various available technologies and integrates them into a single multipurpose app

## OBJECTIVES

- Facilitate the movement of the blind and visually impaired
- Enabling the blind to reach places and do other stuff without others help
- Reduce accidents that the blinds and visually impaired are exposed to
- Identify the location of the blind person
- Make the blind person be more confident to socialize and communicate with the world
- Provide for the blind a simulated life of an unblind person

## METHODS



## RESULTS



## TEAM

