



HACKATHON

VOICE ASSISTANCE FOR VISUALLY IMPAIRED

PROBLEM DESCRIPTION

The task is to design an object detection and recognition module on Raspberry Pi board. The board should be connected to a Pi camera and a speaker/earphone. A deep learning-based object detection and recognition should be performed. The recognized objects should be converted to speech signals using a speech synthesis module and output to the speaker.

EXPECTED OUTPUT

One should hear the objects placed in front of the camera

