

# Guiding hand

## – helping the visually impaired locate close object

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### Introduction

Eating in a restaurants for those who are blind is very difficult task for them to find out the items in the table , like knives ,forks ect.,  
And to pick up an item with out disturbing the rest of the tems on the table is quite tough as they cannot see the items on the table.

The main purpose of this project is to help these kind of people to locate the items on the table using the tecnology present and help them get the desired items on the table without any help from others or without knocking anything off the table .



### Model

The model uses computer vision libraries in python like tensorflow ,opencv , pybluez etc., to find out the object on the table with the help of a camera identify them and then the vibrators present on his hand would guide them to the perticular item on the table without the hep of others and without disturbing the items on the tabel , these vibrators would have patters present witch would guide the hand towards the perticular object.



### Results

Once the objects are identified it is programed such a way that it would pass the signals to the vibrators so that the person would get the object without any issue, without disturbing the items on the table and without any one helping them.

This would actually help them when no one is around them and there is no need ofr them to depend on others for any help.

