Voice Recognition through Machine Learing

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Abstract—**This manual shows the implementation of a voice recognition algorithm developed earlier and use it to control a toycar.**

1 Implementation

1.1 Plug in the batteries and power your bot.

1.2 Open your terminal and execute the following command.

```
hcitool scan
```

1.3 You will get a list of all the bluetooth devices in your surrounding with their addresses.

1.4 Copy the address of bluetooth module HC05. It will be like this '7C:67:A2:CA:29:9C'.

1.5 Then run the following command in terminal.This will connect your bluetooth module to bluetooth of your laptop.

```
sudo rfcomm bind 0 'address'
```

1.6 Then go to following direcory using this command.

```
cd /dev/
```

1.7 Then type 'ls' and find the name of the port.It will be like 'rfcomm0'.Copy this.

1.8 Open python in your terminal by command 'python' and type the following commands

```
import serial
```

```
ser= serial.Serial("/dev/rfcomm0" ,9600)
```

1.9 Then run the following code.(if your port name is different then you can change it in the code.)

```
https://github.com/raktimgg/Voice−recognition
    −bot/blob/master/AI−ML/codes/
    implementation.py
```

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