

Interface with Bluetooth

DAY 2 – SESSION 1

Connect to Bluetooth

1. Download the Blueterm App on Mobile
2. Pair the Bluetooth Device to Mobile
3. Install packages

```
sudo apt-get install bluetooth blueman bluez
```

```
sudo pip3 install pybluez
```

Program

```
import bluetooth
```

```
server_socket=bluetooth.BluetoothSocket(  
    bluetooth.RFCOMM )
```

```
port = 1
```

```
server_socket.bind(("",port))
```

```
server_socket.listen(1)
```

```
client_socket,address = server_socket.accept()
```

```
print("Accepted connection from ",address)
```

```
while True:
```

```
    res = client_socket.recv(1024)
```

```
    client_socket.send(res)
```

```
    if res == 'q':
```

```
        print ("Quit")
```

```
        break
```

```
    else:
```

```
        print("Received:",res)
```

```
client_socket.close()
```

```
server_socket.close()
```

Motors Movement

```
from gpiozero import Robot
```

```
robot = Robot(left=(6, 13), right=(21, 20))
```

```
=====
```

```
robot.forward()
```

```
robot.left()
```

```
robot.right()
```

```
robot.backward()
```

```
robot.stop()
```