**Synthiam ARC Voice Control Turtle Bot Project Animation**

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**Task:**

The task is to make turtle bot move according to human’s voice instruction.

**Inspiration:**

The inspiration is from discussion with Marquez, Joel Aaron. Instead of using camera vision to control the turtle bot, this project is using sound to control the turtle bot. The connection through turtle bot with Synthiam ARC is from “Robotis TurtleBot 3 ARC Setup”[1]

**Result:**

Screenshot of the system:

**桌子上有许多电子设备

描述已自动生成图形用户界面

描述已自动生成**

Screenshot of code:

桌子上的电脑屏幕

描述已自动生成

A demo video can be found in the folder of this file.

**Reference:**

**[1] “**Robotis **TurtleBot 3 ARC Setup”** [**https://www.youtube.com/watch?v=TpkuZ\_EMJmQ&t=197s**](https://www.youtube.com/watch?v=TpkuZ_EMJmQ&t=197s)