**Ankurova Robot Components And Circuit Diagram.**

#.COMPONENTS:

1. Raspberry Pi4 model B Ram 8 GB (RSP)
2. 7” HDMI DISPLAY LCD
3. Arduino Uno \*2
4. Ultrasonic sensor \*2
5. Single Relay channel
6. MP3 Decorded with micro sd card 4GB
7. Micro sd card for raspberry (32GB)
8. Led scrolling display
9. Jumpers Wires
10. HDMI cable
11. Step-down buck converter
12. Speaker
13. Adapter(9v1amp),(9v 2.5amp),(5v 3amp)
14. Wireless mouse and keyboard
15. 12v cooling fan
16. Rsp case
17. Stainless steel

**#INFORMATION OF LOGIN ID’S :**

Username: Ankurova

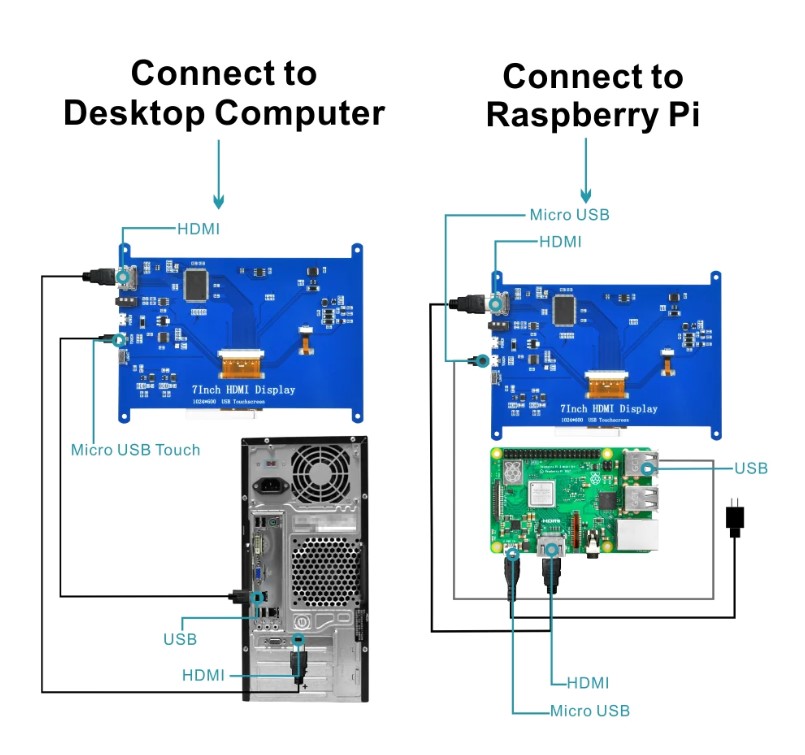
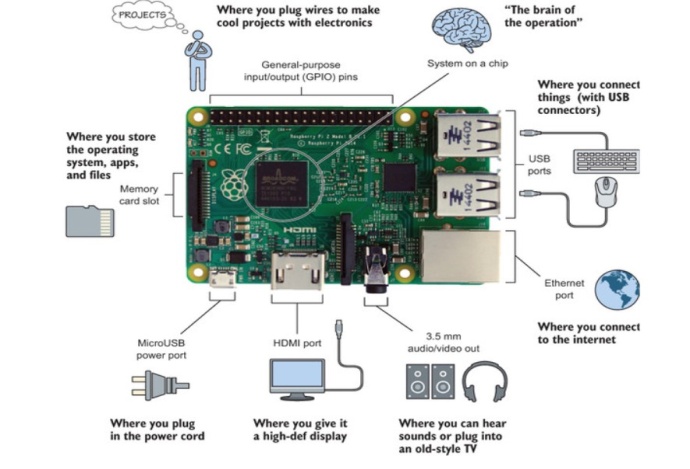
Password: ankurova

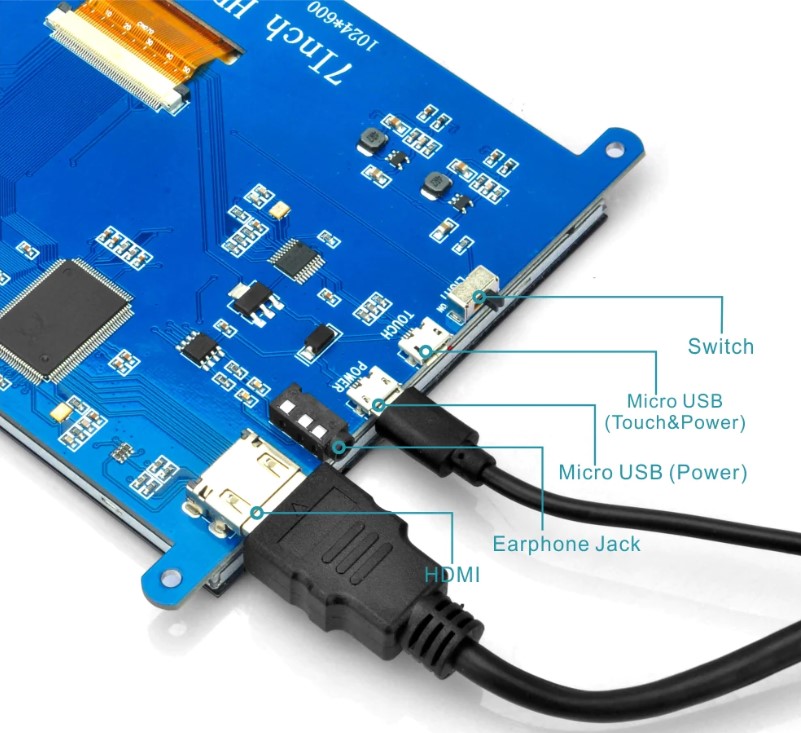
Email Id: [ankurovarobot@gmail.com](mailto:ankurovarobot@gmail.com)

Password: Ankurova123

[Note: Raspberry most be power off clear fully i.e shutdown like your pc]

**Circuit diagram:**

# Raspberry and display: 



[Note: for code please contact kushal poudel.

Email id : [kushalpoudel53464@gmail.com](mailto:kushalpoudel53464@gmail.com)

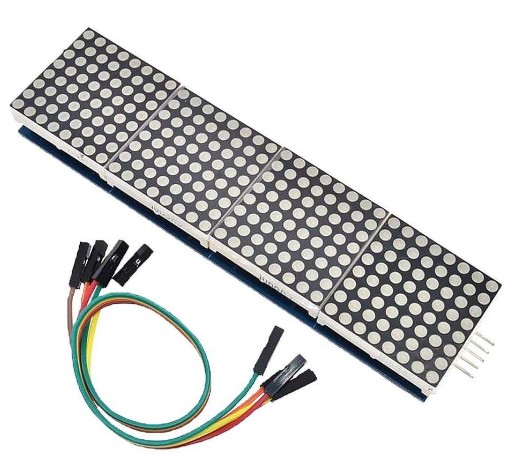
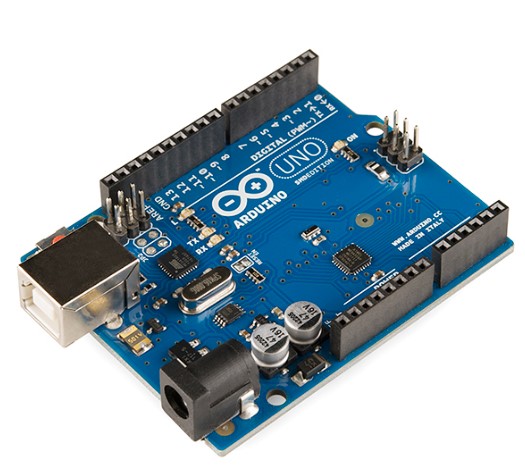
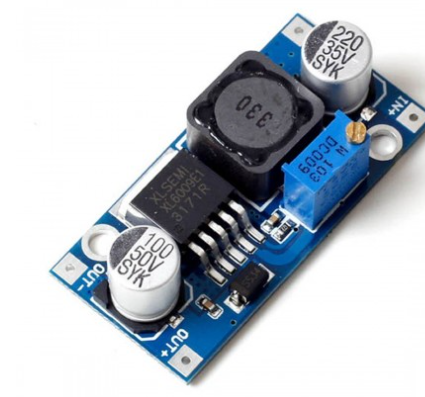
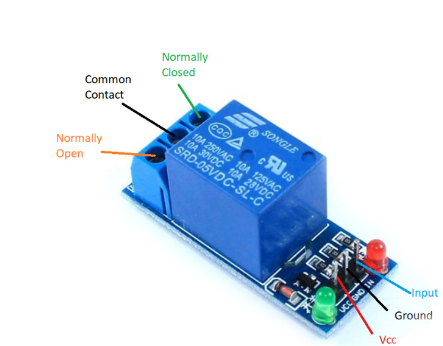
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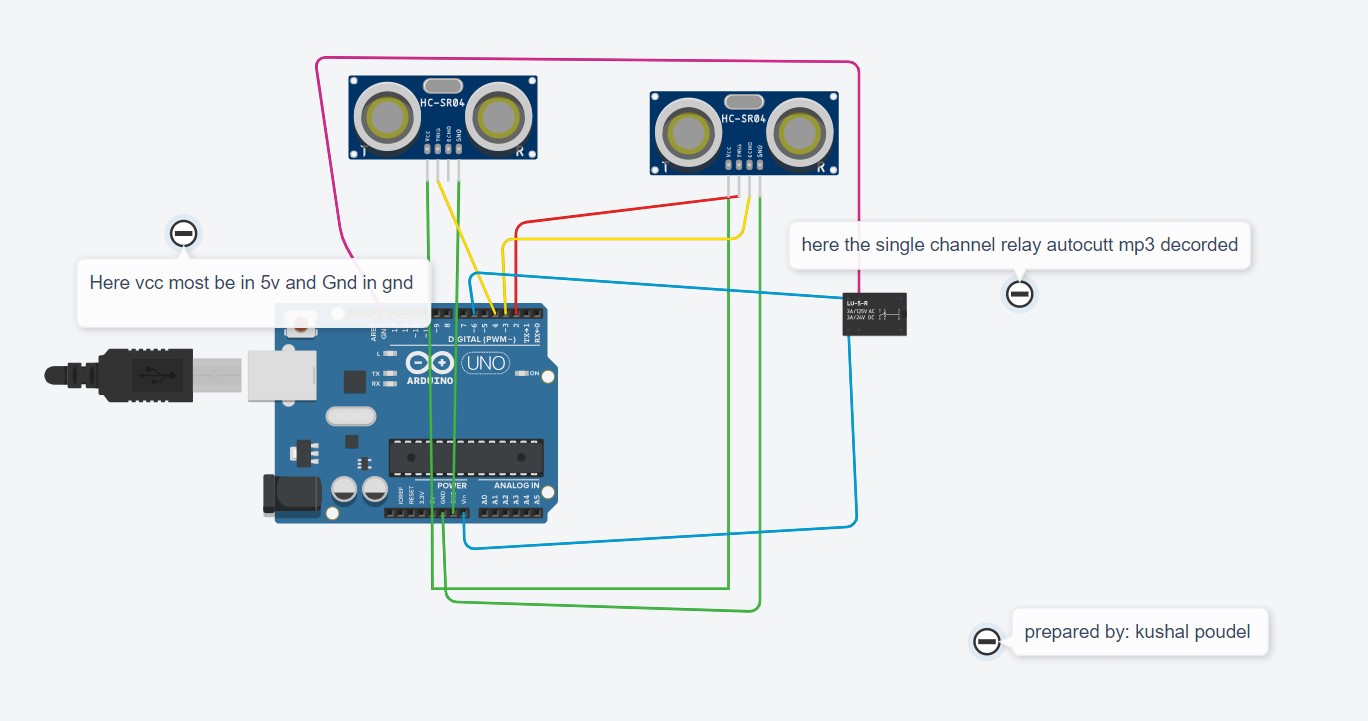
**#.Written diagram in scrolling display :**

|  |  |
| --- | --- |
| Arduino Uno | Led PIN |
| 13 | CLK PIN |
| 11 | DIN |
| 10 | CS |
| 5V | VCC |
| GND | GND |

**# Written diagram of ultrasonic, arduino, relay and mp3 decorded:**

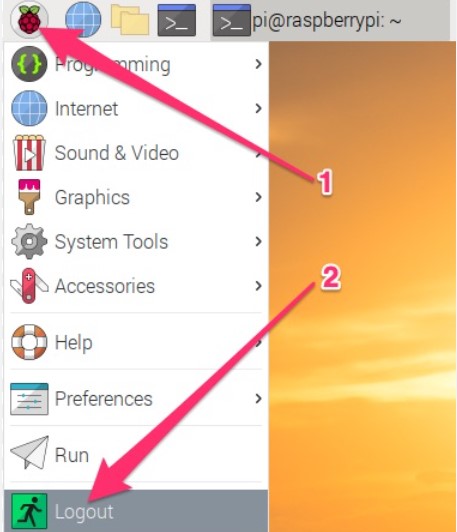
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| --- | --- | --- | --- |
| **Arduino uno** | **ultrasonic** | **relay** | **Mp3** |
| **3** | **Echo 1** | **-** | **-** |
| **2** | **Trigger 1** | **-** | **-** |
| **5** | **Echo 2** | **-** | **-** |
| **4** | **Trigger2** | **-** | **-** |
| **6** | **-** | **Pin** | **-** |
|  |  |  |  |



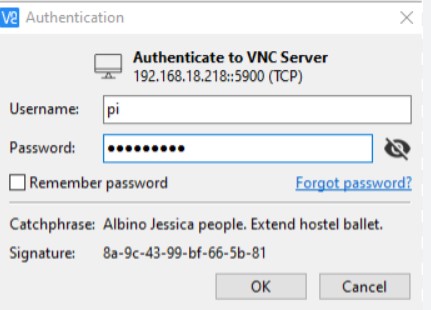
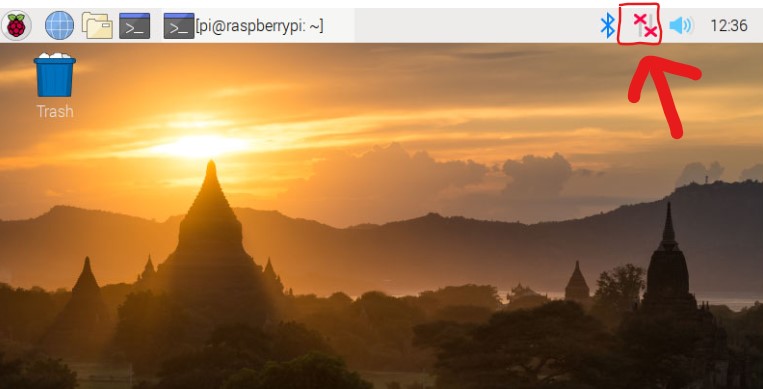


fffffffffff

**# How to shutdown raspberry ?**

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**# what if it ask for id like this ?**

**[ Note : Insert Username and Password as mention above ]  
 # How to connect wifi in rsp ? **

***# INTRODUCTION:***

* **Ankurova is a welcoming robot that welcomes guests**
* **Advance features such as people detection, Interactive speech capabilities, etc**
* **Showcases various aspects of the Academy**
* **The new pride of the academy**

**# APPLICATION AND IMPORTANCE**

* **Enhanced interaction**
* **Interactive speech functions creates a warm  and welcoming environment for guest and visitors**
* **360 view of Ankuram Academy**
* **Filling forms**
* **Efficient and Time saving**
* **Takes feedback**