Project Name – J.A.R.V.I.S v3.0

Project Assignment Date – 22nd October, 2023

Project Type – Full Stack Dev Board Based

Project Minimum Due – 30th October, 2023

Project Cost - ~₹ 2500

Project Components – Nano ESP32 x2; SD Card Reader; SD Card; Voice Module; Speakers; Breadboard x2; IR Sensor; Jumper Wires; Basic Hardware and Electronic Components…

Project Author – Greydawn Dewer

Description – A Side Project after not being active to Coding and Development, with little hardware stuff due to School’s Interest in Arduino. The Components are not of Arduino to be cheaper but function well…

Signature -

* Basic Blueprint of the Project :-

POWER SUPPLY

AMPLIFIER (OPT)

SPEAKERS

VOICE RECOGNITION MODULE

OLED DISPLAY

ESP32 IN

( CORE 1 )

ESP32 OUT

( CORE 2 )

SD STORAGE

IR SENSOR

* Component Descriptions:

1 – ESP32 IN – USED FOR TAKING ALL INPUTS AND OPERATING WITH CHAT GPT and RUN OTHER CODE!

2 – ESP32 OUT – USED FOR SPEAKER! And others, yeah…

3 – VOICE RECOGNITION – TO CAPTURE COMMANDS!

4 – SD CARD – TO STORE COMMANDS AND INFO!

5 – IR SENSOR – TO DETECT RADITION TO START WORKING AGAIN!

6 – AMPLIFIER – TO AMPLIFY VOICES!

7 – SPEAKER – TO PLAY ASSISTANT!

8 – OLED – TO DISPLAY THE MESSAGE

* This was to give a Idea on what I am working on and how to work on it.. there’s more…
* ESP 1 is to GET DATA while ESP 2 is TO GIVE DATA
* VOICE MODULE | IR SENSOR and OLED | SPEAKER are to be used with transistors or repeaters..
* Use SD to use music files or commands
* CODE AT YOUR MOST! GOOD LUCK!
* Hardware List (Sides):-

1 - Resistor – 330 OHM – 5x

2 – Resistor – 470 OHM – 5x

3 – Resistor – 1 k OHM – 5x

4 – Ceramic Capacitor – 100 Nanofarad – 2x

5 – Electrolytic Capacitor – 1 Microfarad – 2x