Senzory:

INPUT:

Volant – potenciometer

Reed switch- 2ks

BMP 180 – 4ks- temp+press+hum

Acc+gyro+mag- 1ks

Heart tep- 1ks

Voltage(3-25V)+ Amp(0-3A)- 1ks

Amp(30A)- 2ks

Switch-DRS- 1ks

Switch- break- 1ks

Switch- overtake- 1ks

Switch- overtake- 1ks

GPS????- 1ks

Termistory 4ks

# Iné:

Gopro 1-2ks

OUTPUT:

Display main

Display becup

LED system

DATA UNIT:

Mobil

ESP32

Raspberry pi 4

Arduino Mega

Arduino Uno

SCHEMA:

PROTOCOL:

Main- Raspberry OK+ Wifi OK + Arduino OK + ESP OK

Becup 1 = Raspbery OK+ Wifi NOK + Arduino OK + ESP OK

Becup 2 = Raspberry NOK+ Wifi OK + Arduino OK + ESP OK

Becup 3 = Raspberry NOK+ Wifi NOK + Arduino OK + ESP OK

Becup 4 = Arduino NOK + ESP OK + Wifi OK + Raspberry OK

Becup 5 = Arduino OK + ESP NOK + Wifi OK + Raspberry OK

Becup 2- Arduino = Arduino NOK + ESP OK + Wifi OK + Raspbery NOK

Becup1- Arduino = Arduino NOK + ESP OK + Wifi NOK + Raspbery OK

Becup2- ESP = Arduino OK + ESP NOK + Wifi NOK + Raspbery NOK

Becup1- ESP = Arduino OK + ESP NOK + Wifi NOK + Raspberry OK

MAIN:

Sensor --> Arduino Mega+SD --> Raspberry+SD --> Wifi1 --> Laptop--> Server+ Discord

Sensor --> ESP32+SD --> Raspberry+SD --> Wifi1--> Laptop--> Server+ Discord

BECUP 1:

Sensor --> Arduino Mega+SD --> Raspberry+SD--> NRF2 --> NRF1--> Laptop --> Server+ Discord

Sensor --> ESP32+SD --> Raspberry +SD--> NRF3 --> NRF1--> Laptop --> Server+ Discord

BECUP2:

Sensor--> Arduino Mega+SD--> NRF4--> NRF1--> Laptop --> Server+ Discord

Sensor--> ESP32+SD--> Wifi2--> Laptop+ Any --> Server+ Discord

BECUP 3:

Sensor --> Arduino Mega--> NRF4--> NRF1--> Laptop --> Server+ Any

Sensor --> ESP32+SD--> ESPNOW--> ESP32(2)--> Laptop --> Server+ Any

Becup 4:

Sensor --> Arduino Mega

Sensor --> ESP32+SD --> Raspberry+SD --> Wifi1--> Laptop--> Server+ Discord

Becup 5:

Sensor --> Arduino Mega+SD --> Raspberry+SD --> Wifi1 --> Laptop--> Server+ Discord

Sensor --> ESP32