

Revision 193:209 Prototype6_Data_Meetkast_naar_CU/Code

View differences:  inline  side by side

ESP32/ESP32.ino

```
1 #include <SPI.h>

2 #include <mcp2515.h>

3

4 const byte DIFFERENTPATIENTAMOUNT = 2;

5 const byte DIFFERENTMACHINEAMOUNT = 7;

6 long patientData[DIFFERENTPATIENTAMOUNT][DIFFERENTMACHINEAMOUNT];

7

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```

ESP32/ESP32.ino

```
1 #include <SPI.h>

2 #include <mcp2515.h>

3 #include <stdint.h>

4

5 const byte DIFFERENTPATIENTAMOUNT = 2,

6 const byte DIFFERENTMACHINEAMOUNT = 7,

7 long patientData[DIFFERENTPATIENTAMOUNT][DIFFERENTMACHINEAMOUNT];

8 const uint8_t ROWS = 14;

9 const uint8_t AMOUNTOFCONFIGVALUES = 4;

10 const uint8_t TEMPPATIENTID = 0;

11

12 enum dataValues {

13     ECG = 0,

14     HEMOGLOBIN = 1,

15     CHOLESTEROL = 2,

16     UPPERPRESSURE = 3,

17     NEGATIVEPRESSURE = 4,

18     OXYGENLEVEL = 5,

19     HEARTBEAT = 6

20 };

21

22

23 enum dataType {

24     CANID,

25     FREQUENCY,

26     RESOLUTION,

27     PORT

28 };

29

30 struct can_frame canMsg;

31 MCP2515 mcp2515(2); // Has to be something outside 6-11
```

ESP32/ESP32.ino

```
10
...
45    Serial.println();

46 }
47

32
...
67    Serial.println();

68 }
69
70    for(uint32_t row = 0 ; row < ROWS ;

71    {

72        if(row == CANID){

73            for(uint32_t column = 0 ; column

74            {

75                switch(column)

76                {

77                    case ECG:

78                        patientData[TEMPPATIENT:

79                        break;

80                    case HEMOGLOBIN:

81                        patientData[TEMPPATIENT:

82                        break;

83                    case CHOLESTEROL:

84                        patientData[TEMPPATIENT:

85                        break;

86                    case UPPERPRESSURE:

87                        patientData[TEMPPATIENT:

88                        break;

89                    case NEGATIVEPRESSURE:

90                        patientData[TEMPPATIENT:

91                        break;

92                    case OXYGENLEVEL:

93                        patientData[TEMPPATIENT:

94                        break;

95                    case HEARTBEAT:
```

ESP32/ESP32.ino

```

96          patientData[TEMPPATIENT:
97          break;
98      }
99  }
100 }
101 }
102
48 // for (int patientId = 0; patientId < DIFFERENTPATIENTAMOUNT; ++patientId) { 103 // for (int patientId = 0; patientId
49 //     for (int machineId = 0; machineId < DIFFERENTMACHINEAMOUNT; ++machineId) { 104     for (int machineId = 0; machineId
50 //         Serial.print(patientData[patientId][machineId]); 105         Serial.print(patientData[TEMPPPA`
51 //         Serial.print(" "); 106         Serial.print(" ");
52 //     } 107     }
53 // } 108 }
54 // Serial.println(); 109 Serial.println();
55 } 110 //}
```