

Microcontrollers

WS2022/23

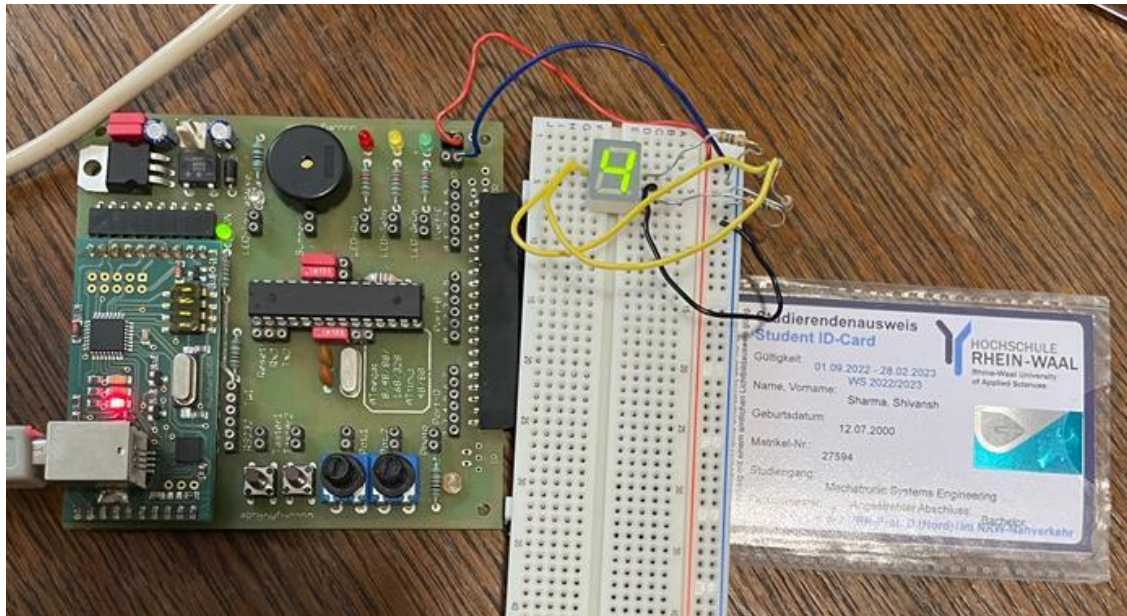
Lab Report 3

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Degree program:	Mechatronic System Engineering
Kit Number:	HSRW MCUOWN
Actual Submission date:	-
Rework submission date:	
Submission Date:	

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Task 1:

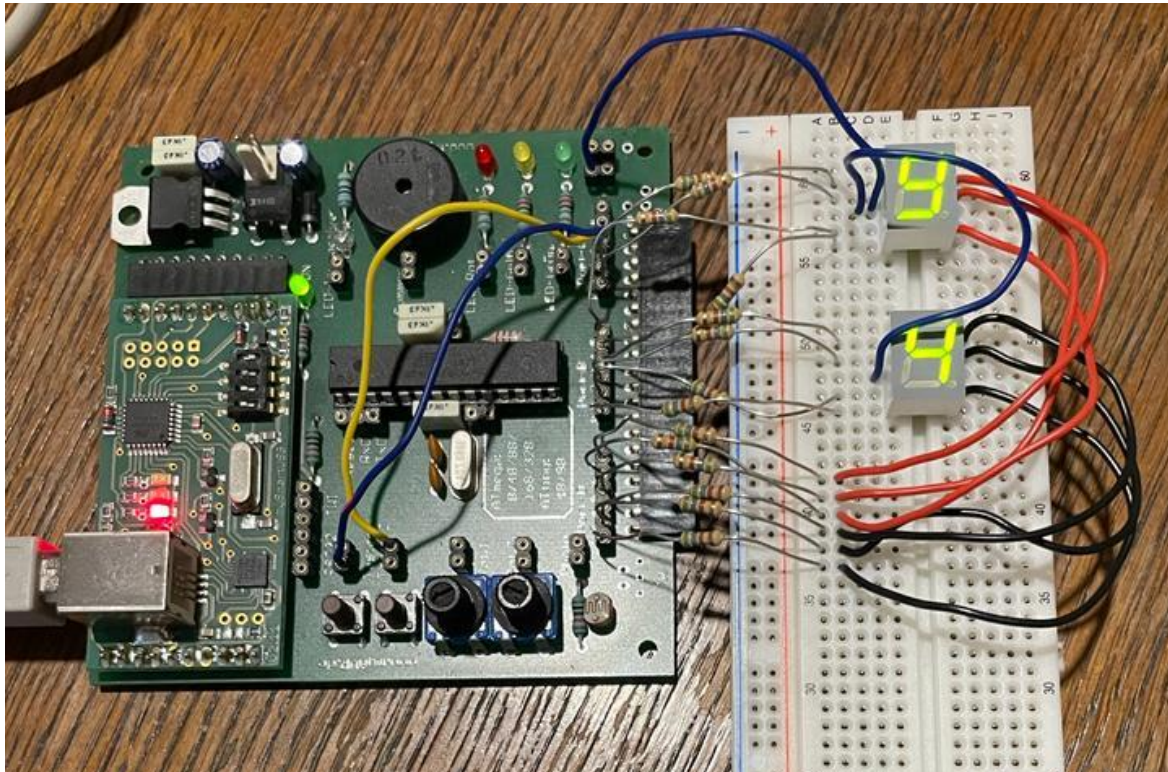


Task 2:

Arrangement :

- Pin C2 → Key 1
- Pin C3 → Key 2
- Seven Segment → SC39

On the press of Key 1 the number increases and on the press of Key 2 the number decreases. If both keys are pressed together then the counter resets to 00.



Task 4:

Arrangement :

- Pin B0 → Key 1
- Pin B1 → Key 2
- Pin C0 → poti1 (potentiometer)

Using the potentiometer the values can be changed within a range of 0-1023 and the values are saved with the press of Key 1 on EEPROM and with the press of Key 2 the stored values are recalled and displayed on the LCD Screen.

