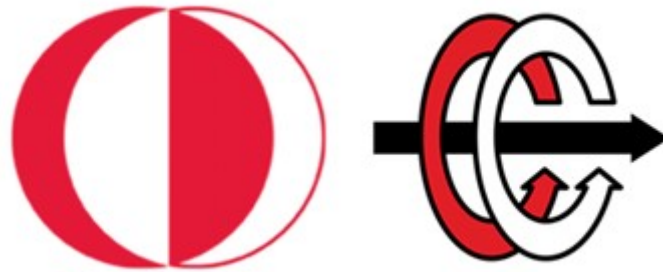


**MIDDLE EAST TECHNICAL UNIVERSITY
DEPARTMENT OF ELECTRICAL & ELECTRONICS
ENGINEERING**



**TROY TECH
WEEKLY REPORT #7
30.03.2019-05.04.2019**

Section : 7

Studio Coordinator: Mustafa Mert ANKARALI

Partners :

Hasan ÖZKARA - 2031888

Kağan ÖZASLAN - 2031854

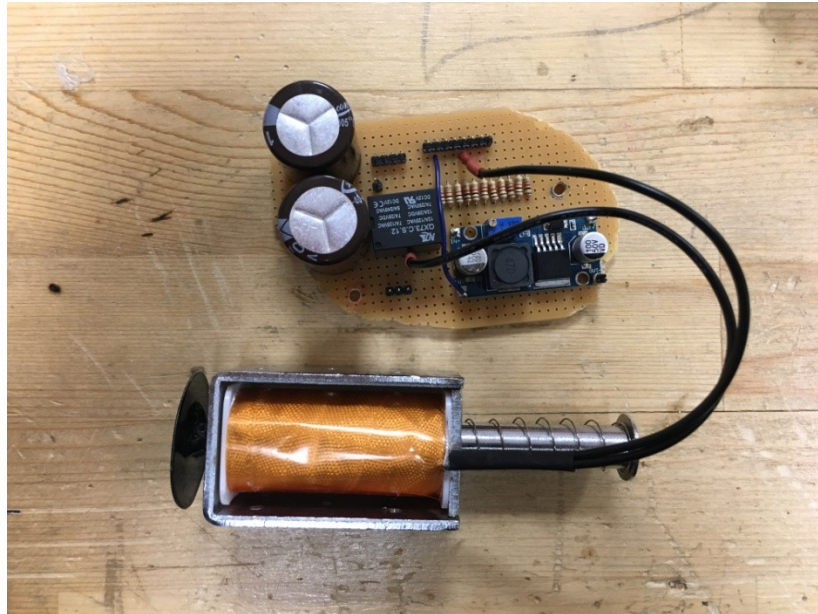
Caner POTUR - 2031250

Mustafa Ercan OKATAN - 2031193

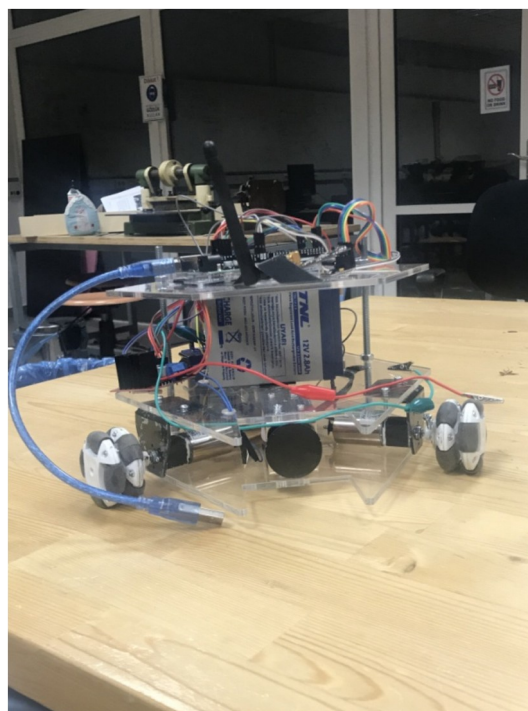
Mert KAYIŞ – 2030997

Progresses for Previous Week:

→ We completed and tested the shooting system. It worked well:



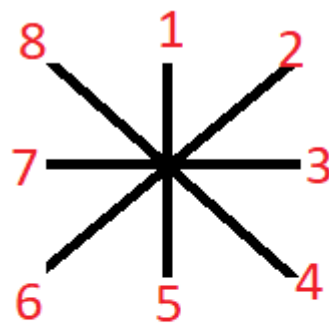
→ We implemented all subsystems to the body. We drilled the body at specific location which is appropriate for connections of the components in different layers:



→ We decided to mount the camera just above the shooting solenoid since we ensured that it is the best position for camera view (we can see our shooting place, ball, and the entire playfield) after the several test.

→ We wrote down the which pins are connected to each other and we designed the cable paths and other connection elements in order to have a neat structure.

→ We worked on movement system. Using left-analog of PS1 joystick, the robot can go 8 directions. Moreover, R1 and R2 buttons can increase/decrease the speed of robot.



R1=Slow mode
R2 = Fast mode
X = Shoot

→ Some videos of our robot:

<https://vimeo.com/328616865>

<https://vimeo.com/328616716>

<https://vimeo.com/328616407>

password: troy

Plans for Next Week:

- Overall system testing
- Improving movement system
- Discussing and reassigning the buttons of joystick