METEOR DESTRUCTION PROJECT

Hello, we are Team Majors. We were established in 2022. Our team consists of 11 members, a mentor. Our mentor: Mustafa Kasar Our members: Hüseyin Ada Çekiç, Mert Efe Çekmez, Emir Balkaya, Zeynep Duru Öz our software team;.Berat Zeren, Arda Torun, Uğur Kıvanç Bilge, Muhammed Tura Karaman, Berke Taha Vural, Göksu Yenice our mechanical team .Alara Mutlu, Zeynep Duru Öz, Göksu Yenice Our PR team. Our team participated in the ankara vex tournament held on 17-18 December and was awarded the "energy award".Afterwards, he participated in the tournament held in Istanbul Hisar Schools on 24-25 December. Due to some negative situations during the competition, our team has regressed from 2nd to 15th place. Due to this situation, it was not entitled to receive any award. and now we decided to participate in the online challenge event.

First of all, our theme is to recycle meteorites that are about to hit the earth and use them as fuel. The name of our Project is ; metaor destruction Project

The components on the playing field represent:

playing field: space

disks: meteorites about to hit the earth

cylinder: fuel station

barrier: black hole boundary

file: power transmission cable

uploader:planet

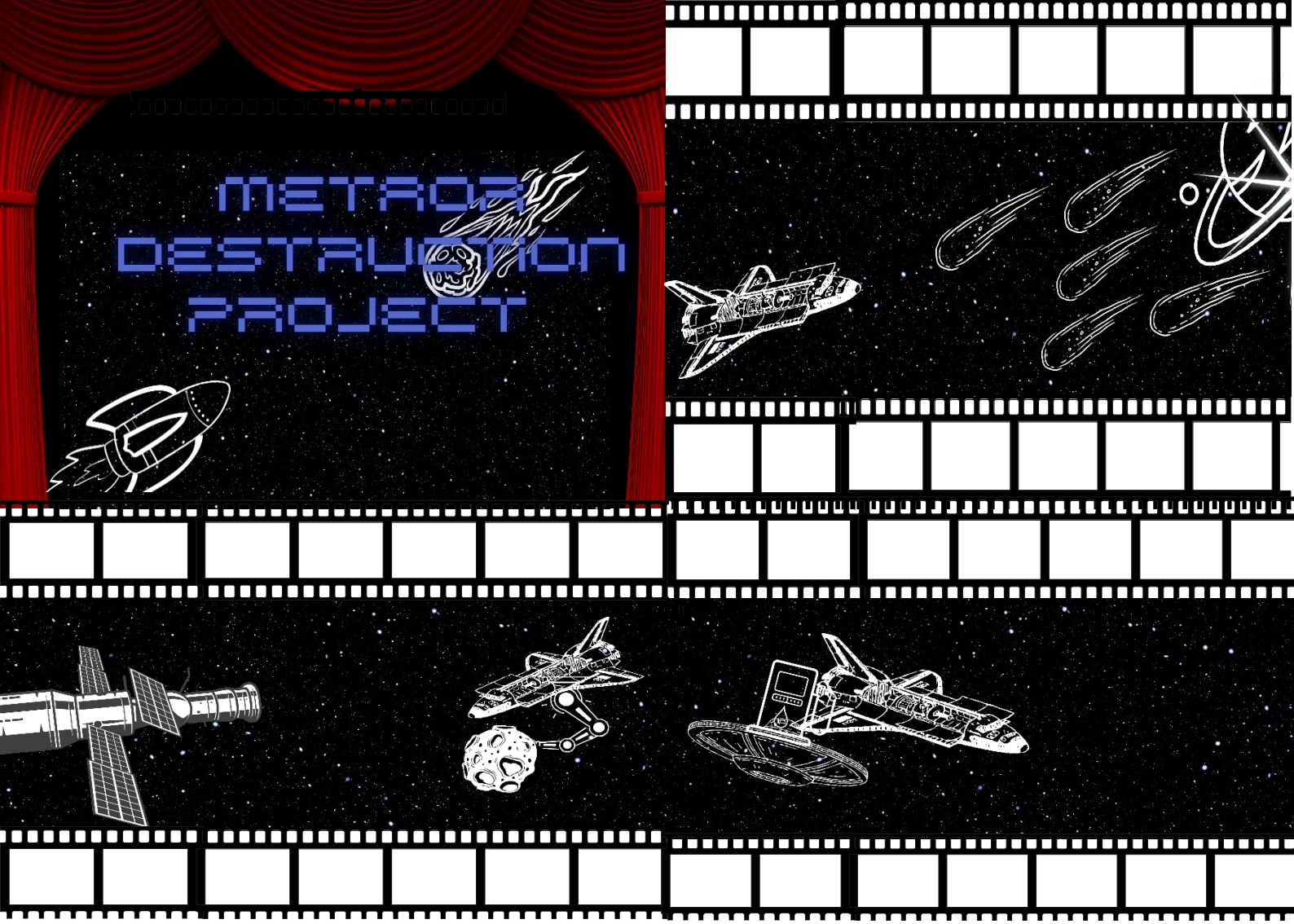
goals: space station

autonomous line: orbital plane

robot: space robot

Vex 2022-2023 spin up competition has been created with a theme aimed to prevent meteors hitting the world. In our theme, it is aimed to prevent meteor hitting the world and to obtain energy from meteorites. Meteors are large and small pieces of stone found in outer space. These stones are generally composed of Iron and Nickel elements. Nickel is a silver-white metal. It is quite hard and is among the transition metals in the Periodic Table. It is generally found with iron and sulfur in pentlandite, with sulfur in milerite, and with arsenic in nickel. Thanks to the oxidation resistance of nickel against air; It is used in the production of coins, in the manufacture of chemical tools and equipment, and in the production of many alloys such as German silver.

Nickel is usually found in nature together with cobalt. It is important in the manufacture of alloys (especially superalloys) and stainless steel. In addition, thanks to a natural property of nickel, it has the ability to change some size in a magnetic field. In nickel, this change is negative. The oxidized state of nickel is usually +2, but 0, +1, +3, +4 valences have also been observed. However, the presence of +6 valence nickel may also be possible. Looking at these properties, we can conduct electricity when we use nickel. The energy produced in this way is transferred to the fuel tank by means of connecting cables (ie nets). The energy transferred to the fuel tank is useful for the robot to use. The robot uses this energy to catch meteors.



In the original game of VEX, the cylinders that we consider as fuel tanks are made up of red and blue colors. In this feature theme, with a small cylinder on the fuel tank, robots turn the cylinder just like in VEX game and decide which spaceship will get fuel in this way.

Thank you for taking the time to come up with this idea our team came up with.

TEAM MAJORS

#22911m

Location: İstanbul Halkalı/Atakent MBA schools