

ESERO project - Our idea launched in the space

ITIS GRASSI TEAM 5°E is more than a group of friends who are passionate about computer science, it is the group of people that will develop the solution to monitor environmental parameters on board of the Columbus module.

Our project is intended to exploit most of the sensors embedded in the Astro Pi, by measuring pressure, temperature, humidity, and orbiting speed. The camera will be used as well, since the combination of hardware and software makes it possible to detect the number of astronauts who are present at the same time in the Columbus module.

Astronauts will have the possibility to check real-time data at a glance through the led-matrix on the device, but an interaction is not required for the functioning of the software.

The recorded data will be stored in a SD card, such that further analysis can be done at the return on Earth to understand the relationship between the presence of the astronauts and the fluctuations in the value of environmental parameters.

We hope this project can be useful and You will appreciate our effort.

Greetings from TEAM 5°E.

Group members:

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