

CubeSat

CATEGORY



QUALIFYING STAGE RULES

BAKU 2024

SAF2024 - CubeSat

Selection stage.

- 1.1. Each team must fill out the requirements in their provided PowerPoint file. Each team must wear medical gloves during the presentation.
- 1.2. The dimensions of the CubeSat developed by the team should be noted and conventionally specified.
- 1.3. Allowed dimensions should be 10x10x10cm. The material to be used should be 3D printing and wooden elements. In addition, the interior of the CubeSat should be made visible.



(simple example)

- 1.4. Each team's Satellite sample must be prepared and submitted (a sample will be provided here).
- 1.5. The satellite model should consist of 3 parts:
- 1.6. **Body** - body part should be gold or aluminum color. The fuselage must have space to accommodate the CubeSat.
- 1.7. **Wings** – Solar panels should be visible. Both real and photo panels can be used here.
- 1.8. **Antenna** - Each model must have at least 1 and at most 3 antenna models.

- 1.9.** The permissible dimensions of the satellite model should be length 70-100 cm, height 30-50 cm, width 30-50 cm. The material to be used should be freely chosen. The finished model should be shown hanging or on 1 central point support. The prepared Satellite model must have a place for the CubeSat to enter, and this process must be shown with a photo.



(simple example)

- 1.10.** Data transmission - Each team must transmit at least 1 sensor data via wireless transmission and submit a photo-video file of this process.
- 1.11.** Each team's CubeSat must have at least 1 solar panel and a photo of it working.
- 1.12.** The codes used must be provided to us in text form.