**Robot’s Rover Preliminary Report Design**

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**Robot’s Fever team**

Our team in alphabetical order:

* Buzgan Paul – 17 years old – ”Dragoș Vodă” National College Câmpulung Moldovenesc
* Diaconu Călin - 18 years old – ”Dragoș Vodă” National College Câmpulung Moldovenesc
* Florescu Teodora - 17 years old – ”Dragoș Vodă” National College
* Hariga George - 17 years old – Military National College ”Ștefan cel Mare” Câmpulung Moldovenesc
* Savin Alexandru - 17 years old – Military National College ”Ștefan cel Mare” - Câmpulung Moldovenesc
* Ursachi Radu - 17 years old – ”Dragoș Vodă” National College Câmpulung Moldovenesc

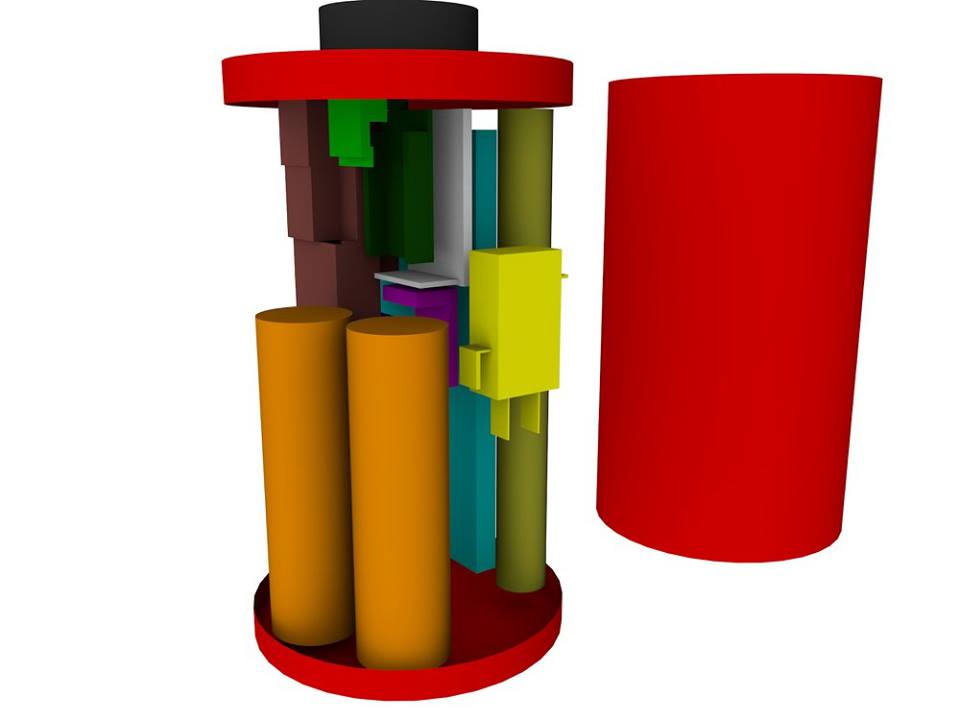
Our team’s coordinator teacher is Măgurean Marius from Military National College ”Ștefan cel Mare” Câmpulung Moldovenesc

**Team Roles**

The CanSat Flight Operations Team

|  |  |  |
| --- | --- | --- |
| No. | Department | Name |
|  | Mission Manager | Prof. Măgurean Marius |
| 2. | Design Team | Everybody  3 weekly meetings/2 hours/meeting |
| 3. | Construction Team | Buzgan Paul  Ursachi Radu  3 weekly meetings/3 hours/meeting  Indefined individual work |
| 4. | Integration Team | Buzgan Paul  Hariga George  Ursachi Radu  3 weekly meetings/2 hours/meeting  Indefined individual work |
| 5. | Software development | Diaconu Călin  Florescu Teodora  Hariga George  Savin Alexandru  5 weekly meetings/2 hours/meeting |
| 6. | Testing team | Buzgan Paul  Diaconu Călin  Ursachi Radu  Each time after task completed |
| 7. | Data gathering | Florescu Teodora  Buzgan Paul  During tests and contest  Data manipulation – 2 times/week |
| 8. | Presentation Team | Florescu Teodora  Savin Alexandru  1 weekly meeting, contest |

**Cansat requirements**

In order to meet the cansat required seizes, we have designed a 3D model in Cinema 4D.

To be updated with specifics (antenna, gps antenna integration)

Total mass (item1 + item2 + ….item n estimation)

As detaliated in model, the battery is easy accessible and we have a master power switch.

As a beeper we have a phone’s speaker attached to our cansat. Moreover, we have a GPS sensor who tracks the cansat coordinates.

For our parachute to withstand a 1000N of force, we made the following calculations:

Nina’s formulas (to be completed……)

Acceleration 20g – how?

**Secondary mission description**

**Traducerea din formularul de aplicare**

**Secondary mission stating**