

Keio Univ.  
and  
Tokyo institute of technical Univ.

team Tortoise

Member



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# 1. Team introduction



- **This is the first time** for us to make a CanSat.
- Our team is composed of only 2<sup>nd</sup> grade students.
- Goal
  - ◆ getting skills of **system engineering and project management .**  
**join the project called “spindle”**
  - ◆ **Go the right direction with simple functions.**



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## 2. Detail of our cansat



- **type**

- ◎ rover, × fly back

- ⇒ It is difficult for us to make a cansat which can control in strong wind.

- **tire**

- This rover has two wide belts which cover all body.

- ⇒ making big friction and stopping rolling

- This rover can overcome track.

- **OBC**

- arduino pro X-bee

- ⇒ we can use many varieties of shield with Arduino.



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# 3.result

1 st            1947m



Parachute	○
flying	○
Landing	○
Removing a parachute.	○
Run	△
Reach the goal	×



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→ tangled cover

2<sup>nd</sup>

×



Parachute	△
flying	△
Landing	△
Removing a parachute.	×
Run	×
Reach the goal	×



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Parachute is broken by vibration of the rocket.

## 4. conclusion

- good point  
we could make a cansat which matched our first concept.
- improvement point  
we should make a cansat on the schedule.



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# Thanks Aeropack!!



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