**MISSION SUMMARY**

**CanSat Released**
Telemetry Begins
Altitude: 700 meters

**Parachute Deployed**
Container & Science Payload
Velocity: 20 m/s

**Ascent Phase**

**Delta Wing Glider Released**
Height: 400 meters
Radius: 250 meters
Time: 1 minute

**Parachute Deployed**
Altitude: 100 meters
Velocity: 10 m/s

**Ready to Launch**
Altitude: 6 meters
Velocity: 6 m/s

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**TEAM**

- CanSat Competition Lead
  - Professor Roger Bishop
- Aerospace Org
  - Mechanical
- Electrical/Software
- Science
- Electrical/Software
- Engineering
- Engineering

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**OBJECTIVE TREE**

- CanSat Competition Budget
  - Each team member will be assigned a budget of $100 to $150.

- Ground Station Setup
  - 15 to 25 people
  - Total Cost: $500

- Airborne System
  - 15-20 people
  - Total Cost: $200

- Ground Station
  - 15 people
  - Total Cost: $100

- Total Budget: $800

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**BUDGET**

<table>
<thead>
<tr>
<th>CanSat Competition Travel Expenses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room &amp; Board</td>
</tr>
<tr>
<td>Airfare</td>
</tr>
<tr>
<td>Car Rental</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
</tr>
<tr>
<td><strong>$6500</strong></td>
</tr>
</tbody>
</table>

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**DEPLOYED CONFIGURATION**

- Air Particle Sensor
- Nichrome Wire
- Servo Motors
- Stowed Configuration

**STOWED CONFIGURATION**

- Radio Module
- Accelerometer
- Airspeed Sensor
- GP6 Module

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**Fall Quarter 2019**

- First Meeting
- Team Form
- CardSat Application
- Ongoing
- Team OAS
- CardSat Application
- Ongoing
- Fall Review

**Winter Quarter 2020**

- Preliminary Design Review (PDR)
- Due: 1/1
- CardSat Competition
- Manufacturing
- 2/20
- Finish Mechanical
- 3/10
- Winter Design Review
- 3/16
- Critical Design (CDR)
- 3/29
- Finish Flight Controls
- 4/26
- Finish Environmental Tests
- (Torture)
- 5/8
- Spring Design Review
- 6/14

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