# Summary of Trajectory control:

1. The average wind speed of DHOLERA is thy month of June is 20km/hr. that’s why we consider the horizontal velocity of our CanSat is to be 20km/hr.
2. In the first line of decent i.e. from 850 m to 500 m the vertical velocity of CanSat is 20km/hr. Thus during this period of time our CanSat travels the horizontal distance of 350 m.
3. In the second line of our decent i.e. from 500m to ground our CanSat travels the speed of 4km/hr. thus the horizontal distance travel by our CanSat is 2500 m
4. Thus when combining the horizontal distance travelled in the first as well as second line of decent is 2500m plus 350m is equal to 2850m i.e. 2.85 km
5. Thus we know how far our CanSat can reach from our ground station, thus we know that we have to design antenna with the range of 3-4 km, so that we can communicate with our CanSat when it reach to ground.

# Design of Parachute:

