We did the exact opposite of what we were asked to do.

An extensive research
- Water rocket possibilities.
- Optimum profiles and balance.
- Recovery mechanisms.

A radical approach
- A long cone with no parachute.
- Putting the CG behind the CP.
- Passive horizontal recovery.

A hands-on process
- Fail fast and fail cheap.
- Multiple prototypes,
- Distributed workload.

A sustainable solution
- No plastic parachute.
- Recyclable paper.
- No strings attached.

The CG actually falls behind the CP to ensure a passive recovery. The elongated cone ensures we achieve a high apogee, after which due to the balance of the weights, the rocket flips horizontally and descends with drag on the fins.

No parachute. No nose-dive. Just some good old BACKGLIDING.

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