



Space Technology and Aeronautical Rocketry

Second Problem Statement for VTIP

Departments of Avionics:

- To develop a recovery system for HPR
- To log all the important data safely or wirelessly transmit the data during launch

Departments of Designing:

- To design structure of High-Powered Rocket
- To perform simulation in OpenRocket for the HPR design
- To design and develop the recovery system using non-pyro technique for the HPR

Constrains:

- Length of the HPR should be less than 1 meter
- Weight of the HPR should be less than 1 Kg
- Maximum diameter of the tube should be less than 6 cm
- Motor to be used: F-15
- Materials to be used: PLA & Cardboard
- Few constraints will be updated by the core team during the internship period