VIP Team Info Sheet

1. Team name- NYU Hyperloop
2. Goals
   To design and build a pod based on Elon Musk’s Hyperloop Concept (2013). The primary objective is to compete in the annual SpaceX Hyperloop Competition and complete all necessary deliverables and milestones.
3. Image

4. Methods & Technologies
   CAD, CFD analysis, FEA analysis, air bearing levitation, eddy current brakes, aerospace composites, automatic control systems.
5. Research/ Design Issues
   High speed mass transportation/freight, levitation systems (air bearings/maglev), vacuum compatible systems, the kantrowitz limit, transportation communication networks
6. Meeting Time
   Sundays 2:00pm- 4:00pm JAB 256
7. Advisors
   Iraj Kalkhoran
8. Partners & Sponsors
   SpaceX, NYU Tandon Office of Undergraduate Academics, NYU Tandon Office of the President
9. Majors, Preparation and Interests
   ME- a background of hands on engineering experience i.e. working with cars, experience in manufacturing and design for manufacturing. Industry experience in design and design processes. Ability to perform FEA and CFD simulations
   EE- Basic concepts of Electrical Engineering and skills in programming preferred
   All Majors- (focus on CS/Civil/Applied Physics/SUE) proven, strong organizational skills, management skills. Track record of high initiative and problem solving. Highly articulate and motivated. Able to use foresight to plan and execute projects for the benefit of the team.
10. Contact
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