

HYPERLOOP

VIRGINIA COMMONWEALTH UNIVERSITY

VIP@VCU

Vertically Integrated Projects Teams

Multi-disciplinary, multi-student year, large projects multi-year lead by faculty's research or area of professional interest.

Team size typically 10-15 students, but can be small in beginning and larger for bigger projects. Faculty accepts student members via class overrides.

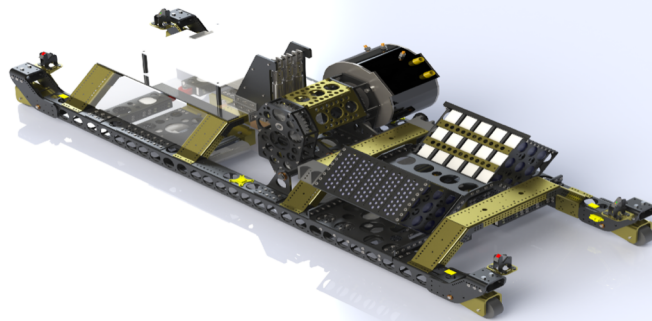
Students learn teamwork, documentation, individual responsibility and can progress in leadership responsibility based on performance.

VIP Consortium – 24 + USA & international universities. Interested? Contact: Prof. Franklin Bost (lfbost@vcu.edu)

Hyperloop@VCU Student Team

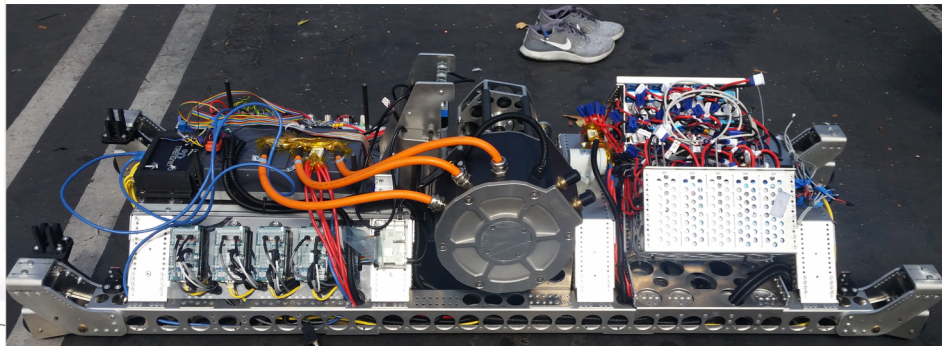
10 core leadership students and 20 additional team members from 5 Engineering disciplines, Business, Arts and College of Humanities and Sciences. All students in sophomore and junior years

Modular Layout



Features

A light-weight modular design of aluminum sheet metal with multiple subsystems
Minimalist design built for high strength and to achieve maximum speed
Designed for safety while maintaining cost efficiency



Pod Design



Subsystem Teams

Project Mgt. & Design Coordination
Propulsion Development
Horizontal Stability
Vertical Suspension
Braking System
Software & Controls
Sensors & Pod Communications
Build/Assembly Coordination
Marketing & Communications
Sponsorship, Fundraising & Finance