

## **Team 315: AI-based Low-Cost Flight Simulator**

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- **Description:** A cost-effective flight simulator designed to serve as an educational and training tool, providing an accessible platform for students, enthusiasts, and professionals to experience flight dynamics and aviation principles in a controlled environment.
- **Goal:** Develop a system that balances affordability with functional capability, enabling realistic flight simulations without the prohibitive costs of high-end systems.
- **Primary market:** Educational institutions
- **Secondary market:** Aviation Enthusiasts and professionals, Flight Schools, Aviation Technology Companies, Professional Drone Racers
- **Assumptions:** System must be compatible with standard PC hardware and peripheral flight controls.
- **Stakeholders:** Dr. McConomy, Dr Chuy, Dr. Vasconcelos, Dr. Pan, Dr. Amarasinghe