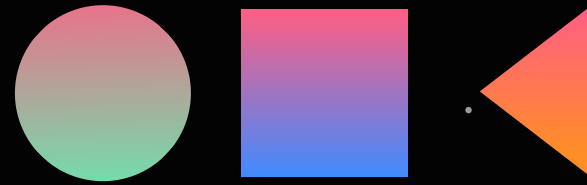


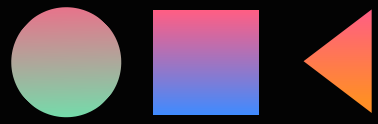
OIN13-01



Phoenix

**A Multi-Purpose UAV with a highly efficient airframe,
backed with a progressive web app**

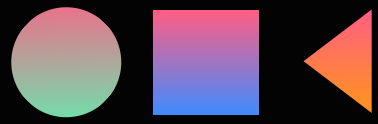
Adithya S K
Sarathak S Kumar
Sakthe Balan



Current UAV Eco-System



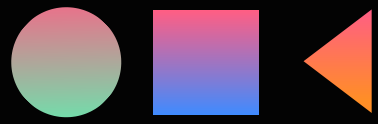
- Battery Inefficiency
- Air Time and Range
- Infrastructure



We built

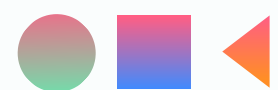
- Landing Website
- Functional VTOL UAV
- ArduPilot Navigation Simulator
- ArduPilot UAV Tracking
- Delivery Management Website





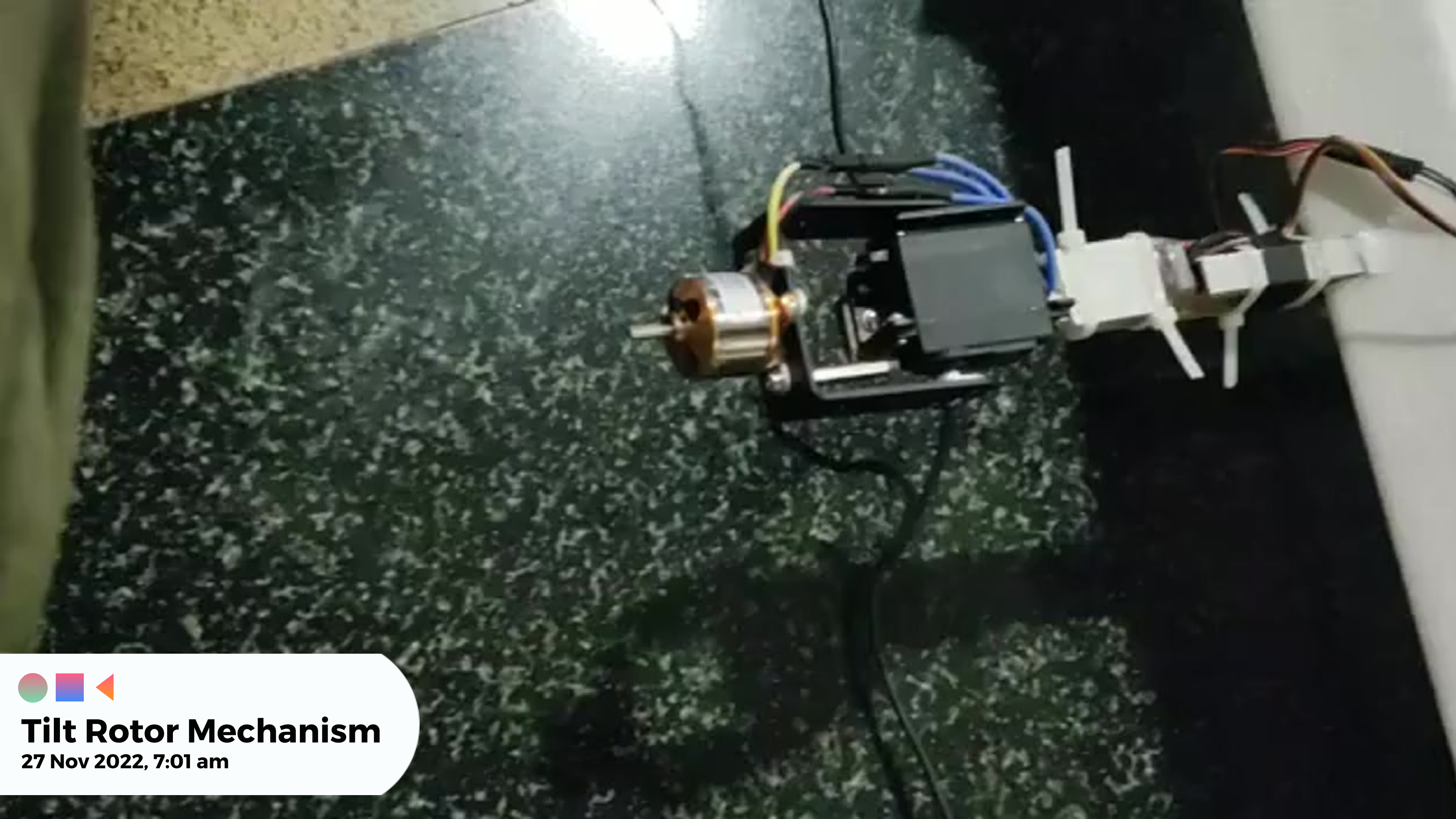
Our Progress in the last 15 hours





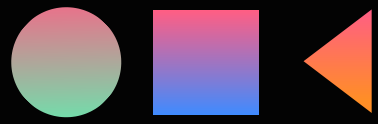
First Flight Test

27 Nov 2022, 8:40 am



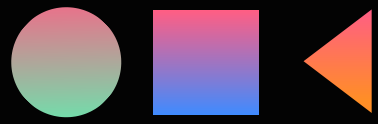
Tilt Rotor Mechanism

27 Nov 2022, 7:01 am



Additions/Features to be added to the prototype

- Focus on modularity
- Payload Delivery System
- Calibration
- Live Tracking and Surveillance
- Automated Navigation
- User Friendly Interface



Scope

Major Use Cases include

- Healthcare
- Military
- Mapping/Surveillance
- Delivery Systems