

# Background and Research Gap

- UAVs are being widely used for various applications today including deliveries and supplies and remote surveillance.
- Most of the UAVs have a flight time of 20 minutes.
- Most of the UAVs can't achieve high speed due to aerodynamic limitations.

# Background and Research Gap

- There is no thorough research on the applicability of a dual axis tilt rotor for UAV till date.
- Swarm based UAVs and Drone-to-Drone communication has been explored to a very limited extent.
- Very limited research exists on the applicability of high speed autonomous systems in complex environment.