

Title: VTOL Project - Meeting 2

Date/Time: 1/30/2026 - 7:00 pm

Attendees: Everyone

Phase: Phase 1 - 3BSM (3 Bearing Swivel Module)

Meeting Objective: Research initial design and parts to order

A) Current Build Status

Mechanical

Done: - NA

In progress: - Initial 3 Bearing Design, Physics Calculations, Determine Bearing Angles

Blocked: - NA

Electronics

Done: - NA

In progress: - Design Wiring Schematic, Order esc, motor, LiPO/Battery, ESC

Blocked: NA

Software/Controls

Done: - NA

In progress: - Look at Flight Controller

Blocked: - NA

B) Decision Log

Decision #	Topic	Options Considered	Decision	Owner	Deadline
Decision - #					

C) Build / Assembly / Design Work

Build Plan for Today :

- Assemble: _____NA_____

- Fit-check: _____NA_____
- Test: _____NA_____
- Update CAD live: _____NA_____
- Update wiring diagram live: _____NA_____

Artifacts created/updated:

- CAD: NA
- Diagram: NA
- Test doc: NA
- Photos/video: NA

D) Tasks for Next Session

Task	Owner	Deliverable (link/file)	Acceptance Criteria ("done when...")	Due
Mechanical Design Objectives in Week 1.2 Objectives	Pep, Jeff, Roshan			End of this week
Electrical Objectives	Ayaam, Vivienne			End of this week

F) Next Meeting

Next meeting objective:

Required prep (must be done before next meeting):

- - Research Mechanical Design, Determine Thrust Objective, Fan Size, Motors, and then Bearing Angles, and forces to determine servos
- - Electrical Schematic
- - ESC decision finalized and Flight Controller finalized