

**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 Fligth Controller finalized