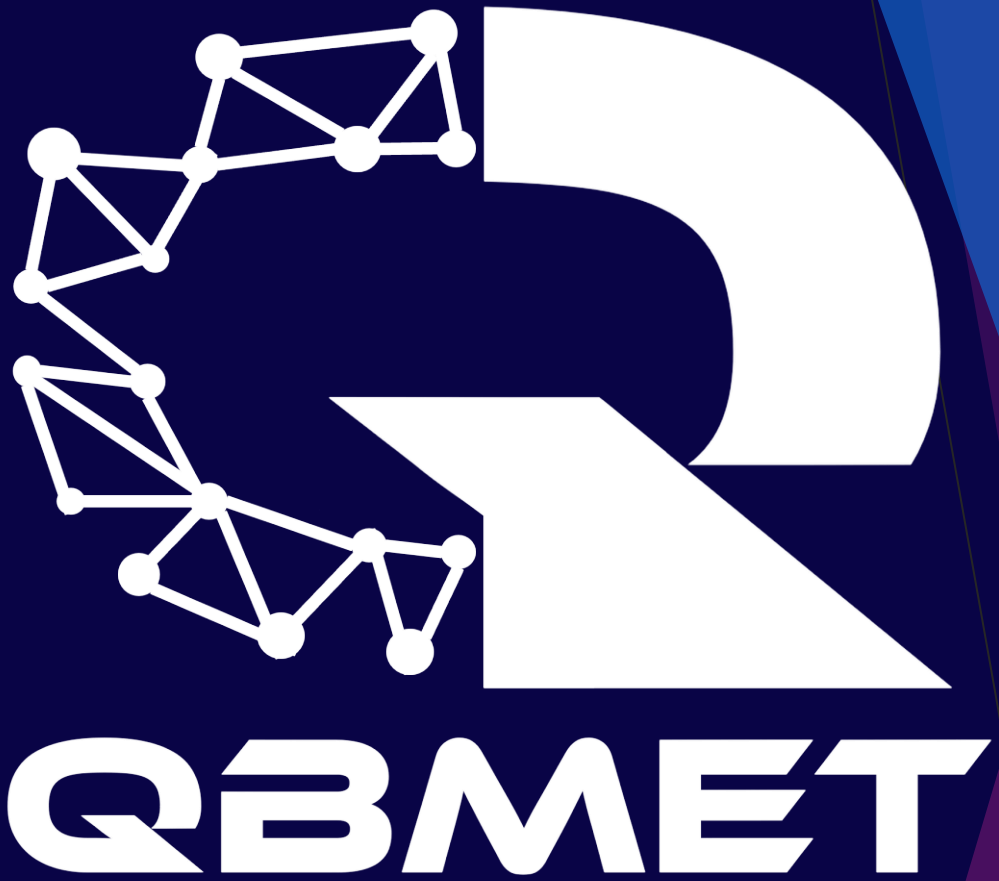
2025

Kickoff Meeting

Software!!!



Week 6

October 9, 2025

Welcome!

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Me

- **Super Senior**
- **Mechatronics**
- **Semi-local**
- **What I'm up to:**
  - Mobile Robotics
  - Suffering through Classes

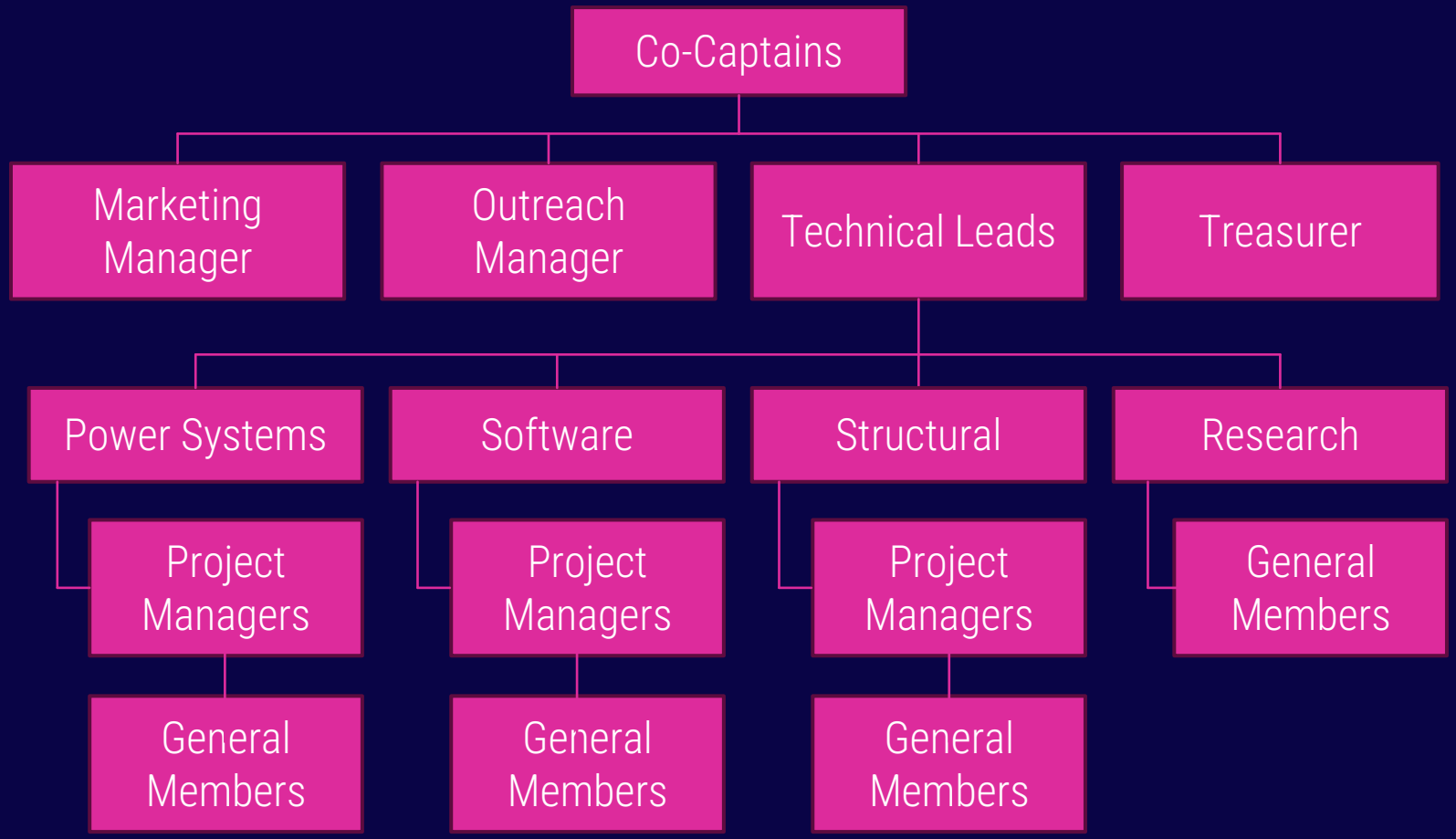
Ice Breaker!!!

What super-power do you wish you had?

Agenda

- Introductions
- Team Overview
- Work & Tools
- Tasks

Team Structure and Collaboration



Brain Storm!!!

- What does an exoskeleton do?

- How do we control an exoskeleton?

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Brain Storm Continued!!!

- **What features do we want in an exoskeleton?**
  - Control
    - PID
  - Sensing
    - Motor position
    - Accelerations

Our Physical Workspace

- **Design Bay** – (BMH 121) Home base, equipment
- **ILC Study Rooms** – Backup to design bay

Our Digital Workspace

- **Discord** – General Communication, Team Announcements
- **Teams** – File sharing
- **GitHub** – Remote repository for any code

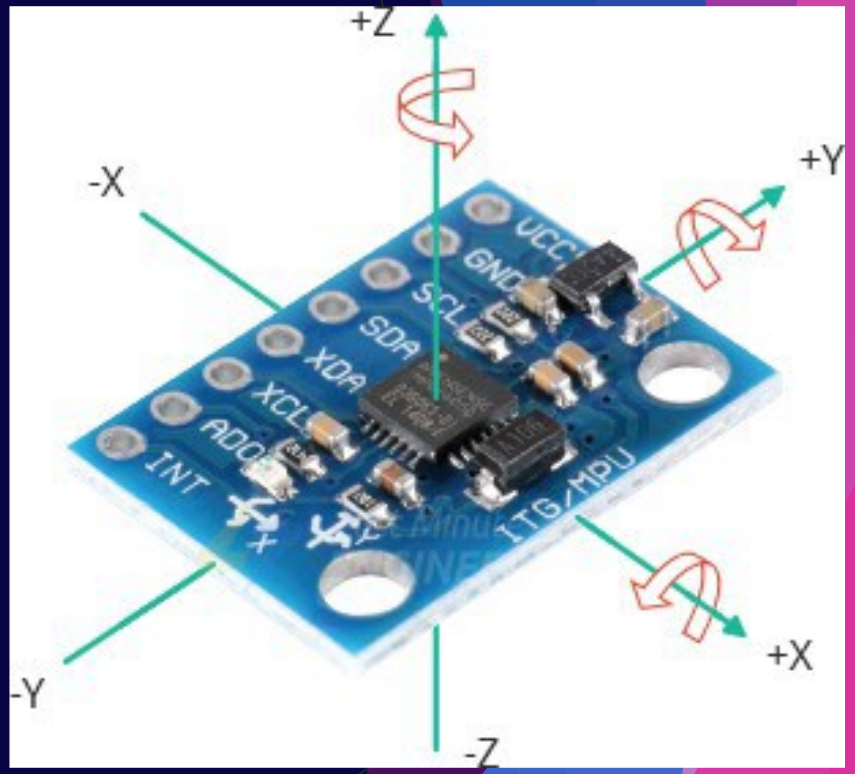
Activity 1: Git & Contacts

- **Clone the QBMeT Repo to your PC**
- Add your Contact Info to FILENAME
- LettuceMeet

Activity 2: IDEs and Sensors

- **Follow the Tutorial**

How to Connect MPU6050 to ESP32: Physical Setup and Code : 4 Steps - Instructables



Timeline

October

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATUDAY
5	6	7	8	9 First Meeting!!!	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25 Review Previous Year's Code, set up part 2
26	27	28	29	30	31	1 Continue Review & Define upgrade goals

Meeting 1

Meeting 2

Meeting 3

November

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATUDAY
2	3	4	5	6 All Member	7	8 Full run of last year's Code?
9	10	11	12	13	14	15 Full run of last year's Code?
16	17	18	19	20	21	22
23	23	24	25	26	27	28 Who knows? New stuff?
29	30	1	2	3		

Meeting 4

Meeting 5

Meeting 6

Meeting 7

Fall Goals: System Familiarization & Upgrade Planning

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