

Meeting Minutes (compiled)

Monday 3/10, Wednesday 3/12, Sunday 3/16

- Each person provided an update on the status of their current task
- Discussed constraints and further requirements
 - Assessing the current mock environment
 - Creating a new, larger test environment (different mounting systems to ensure consistent camera placement, providing consistent data)
 - Jason showcased a new design
 - Discussed methods of assembly
 - Confirmed camera placement
- Discussed data collection & storage
 - Status and constraints on raspberry pi data collection algorithm
- Assessed and approved of camera quality
- Discussed methods to run YOLO model on recorded videos to later run on chicks
 - Discussed constraints with YOLO model, including the need to convert the pre-trained 80 categories to 2.
 - Discussed the potential for training a 2-class classification model, with Logan presenting ideas such as clustering
 - Concluded to test YOLO model first, then transition to clustering models later (as needed, optimization phase)
- Discussed logistics of new environment, including larger dimensions to fully utilize tennis balls as chicks and ensure smooth movement
 - Ensured correct camera placement
- Discussed other methods besides camera, decided that camera would be most practical until proven otherwise
- Observed sprint, product backlog