

Weekly Status Report 4

9/24/2018 – 9/30/18

Team 42 – Quadcopter Cameraman
Nate Allen - Report Manager
MirAhbab - Chief Engineer
Isaac Holtkamp - Test Engineer
Alex Nicklaus - Test Engineer
Luke Rohl - Meeting Facilitator/Scribe
Faculty Advisor -Zhengdao Wang

This week's accomplishments

- Image Recognition (Luke & Nate)
 - Image Recognition
 - *Facial Identification*
 - *Eye Identification*
- Project Plan
 - *Create outline (Luke)*
 - *Non-Functional Requirements (Luke)*
 - *Non-Functional Requirement - Security (Nate)*
 - *Non-Functional Requirement - Reliability (Nate)*
 - *Safety Considerations (Nate)*
 - *Possible Risk and Risk Management (Luke)*
 - *Single Target Tracking (Nate & Luke)*
 - *Single Target Following (Nate & Luke)*
 - *Multi Target Following (Nate & Luke)*
 - *Create Outline (Luke)*
 - *Created Work Breakdown Structure (Nate)*
 - *Definitions (Nate)*
 - *Limitations (Nate)*
 - *Technology Considerations (Nate)*
 - *Task Objective (Nate)*
 - *Task Approach (Nate)*
 - *Non-functional Requirement - Responsiveness (Alex)*
 - *Functional Requirement - PID Controller (Alex)*
 - *Personnel Effort Requirements (Alex)*
 - *Other Resource Requirements (Alex)*
- Hardware Components Finalized (Aamid)
 - Refer to the end for the parts list
 - Budgeted at \$380
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Planned to accomplish next week

- Facial Recognition (Nate and Luke)
 - Use multithreading to process images in background and maintain a steady video stream
 - Research how to recognize faces and determine who's face it is
 - Research how to create haarcascade files
- Android App (Isaac)
 - App views
- Finalize Parts list (Alex & Aamid)
 - finalize list
 - order parts through ETG

Roadblocks

- Roadblock with facial identification
 - Nate and I sat down and worked through this.

Hours Spend

Team member	Hours This Week	Hours Total
Nate Allen	6	19
Alex Nicklaus	.5	19.5
Luke Rohl	9	24
Mir Ahbab	--	15
Isaac	3	18