Milestones and Weekly plans for Winter quarter 2019

| Week 2 | | |
|---|---|---|
| Task | Deliverables | Notes |
| - Single drone hover<br>- MAE 155<br>- Create project summary | - Demo of crazyflie drone hovering using optitrack and ROS launch file<br>- Summary of MAE 155 weekly reading<br>- Upload the project page to website | |
| Week 3 | | |
| Task | Deliverables | Notes |
| - MAE 155<br>- Read Paper Crazyswarm: A Large Nano-Quadcopter Swarm<br>- Reading "Programming Robots with ROS"<br>   - Chapter 1-4<br>- Initiate Crazyswarm | - Summary of MAE 155 weekly readings<br>- Summary of the Paper<br>- Summary of the book chapters 1-4<br>- Demo for Crazyswarm if possible<br>- | |
| Week 4 | | |
| Task | Deliverables | Notes |
| - MAE 155<br>- Reading "Programming Robots with ROS"<br>   - Chapter 4-7<br>- Crazyswarm cont'd | - Summary of MAE 155 weekly readings<br>- Summary of the book chapters 4-7<br>- Summary of the book chapters 4-7<br>- Demo for Crazyswarm if possible | |
| Week 5 | | |
| Task | Deliverables | Notes |
| - Crazyswarm cont'd | - Demo for Crazyswarm if | |

| Task | Deliverables | Notes |
|------|-------------|-------|
| <ul><li>MAE 155</li><li>Mathematical derivation for OCSM</li></ul> | <ul><li>possible</li><li>Summary of MAE 155 weekly readings</li><li>Show the formulation</li></ul> | |

**Week 6**

| Task | Deliverables | Notes |
|------|-------------|-------|
| <ul><li>Crazyswarm cont'd</li><li>MAE 155</li><li>Mathematical derivation for OCSM</li></ul> | <ul><li>Demo for Crazyswarm if possible</li><li>Summary of MAE 155 weekly readings</li><li>Show the formulation</li></ul> | |

**Week 7**

| Task | Deliverables | Notes |
|------|-------------|-------|
| <ul><li>Crazyswarm cont'd</li><li>MAE 155</li><li>Mathematical derivation for OCSM</li></ul> | <ul><li>Demo for Crazyswarm if possible</li><li>Summary of MAE 155 weekly readings</li><li>Show the formulation</li></ul> | |

**Week 8**

| Task | Deliverables | Notes |
|------|-------------|-------|
| <ul><li>Crazyswarm cont'd</li><li>MAE 155</li><li>Mathematical derivation for OCSM</li></ul> | <ul><li>Demo for Crazyswarm if possible</li><li>Summary of MAE 155 weekly readings</li><li>Show the formulation</li></ul> | |

**Week 9**

| Task | Deliverables | Notes |
|------|-------------|-------|
| <ul><li>Full summary of progress made throughout the quarter</li></ul> | <ul><li>Prepare a report for the winter quarter</li></ul> | |