

## M:2:I Team Weekly Report

Weekly team reports are due no later than 5:00 p.m.

Project Information	
Project Name	MAVRIC
Team name	Electrical
Team Leader Name	James Talbert
Week Number	9
Attendance Records	
Number of Students Present	8
Number of students Not Present	0
Team Status Report	
Currently the team is:	On Track

Please put any comments below on the overall status fo the team:

We finished installing our bus bars and have tested our system's control of the wheels via the PWM HAT. Unfortunately we have learned that our battery charger does not work. It will power its fans off of the batteries, but recieves no power from the wall plug. This results in a discahrge of the batteries rather than a charge. This was a recent development, so I don't have a workaround yet. Diue to manufacturing delays, not all wheels are installed, and our testing capacity will be severely limited.

Task Report			
Milestone/Task	Due Date	Progress	On Track
Drive System	3/18/2018	73%	On Track
Assembly	2/23/2018	85%	On Track
E-Box	2/23/2018	90%	On Track
Wiring	2/23/2018	80%	On Track
Programming	3/2/2108	90%	On Track
Validation	3/2/2108	90%	On Track
Control Systems	3/2/2108	90%	On Track
Navigation	3/18/2018	100%	On Track
Selecting/Procuring	3/18/2018	100%	On Track
Interfacing to sensors	3/18/2018	100%	On Track
Field Testing (iterative)	3/18/2018	17%	High Risk
Howe Hall Atrium	3/18/2018	50%	On Track
Richardson Ct. Asphalt pile	3/18/2018	0%	At Risk
Road Trip?	3/18/2018	0%	Off Track
Everything Else	4/23/2018	9%	High Risk
Science System	4/23/2018	13%	On Track
Software	4/23/2018	0%	On Track
Wiring	4/23/2018	25%	On Track
E-Box	4/23/2018	20%	On Track

SS Power/Control lines	4/23/2018	30%	At Risk
Autonomous Driving	4/23/2018	20%	On Track
Navigation Integration	4/23/2018	20%	On Track
Control Software	4/23/2018	20%	On Track
Arm	4/23/2018	3%	High Risk
Wiring	4/23/2018	10%	On Track
E-Box	4/23/2018	0%	On Track
Arm Power/Control	4/23/2018	20%	At Risk
Software	4/23/2018	0%	At Risk
Validation	4/23/2018	0%	At Risk
Integration Testing	6/1/2018	0%	High Risk



















[REDACTED]



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

# M:2:I Team Task Chart

WORK BKDN STRUCTURE	TASK TITLE	TASK OWNER
1	Drive System	James Talbert
1.1	Assembly	
1.1.1	E-Box	Jensen Mayes
1.1.2	Wiring	Brady Anderson
1.2	Programming	Shivam Vashi
1.2.1	Validation	Jefferson O'Brien
1.2.2	Control Systems	Jefferson O'Brien
1.3	Navigation	Morgan Foley
1.3.1	Selecting/Procuring	Morgan Foley
1.3.2	Interfacing to sensors	Morgan Foley
1.4	Field Testing (iterative)	[This is a group task]
1.4.1	Howe Hall Atrium	
1.4.2	Richardson Ct. Asphalt pile	
1.4.3	Road Trip?	
2	Everything Else	James Talbert
2.1	Science System	
2.1.1	Software	Shivam Vashi
2.1.2	Wiring	Jensen Mayes
2.1.2.1	E-Box	Alex Vande Loo
2.1.2.2	SS Power/Control lines	Jensen Mayes
2.2	Autonomous Driving	Brady Anderson
2.2.1	Navigation Integration	Morgan Foley, Jake Raymer
2.2.2	Control Software	Brady Anderson, Jefferson O'
2.3	Arm	[
2.3.1	Wiring	[
2.3.1.1	E-Box	[
2.3.1.2	Arm Power/Control	[
2.3.4	Software	[
2.3.5	Validation	[
2.4	Integration Testing	



[illegible]

[illegible]

[illegible]

[illegible]