

Weekly team reports are due no later than 5:00 p.m. on Canvas. In addition of this report to your Project Leader. To use this report, update your tasks & Report tab. Those updates will automatically be updated on this page. In a your Atrack Excel file which contains the attendance records for this week. the team and each task using the drop down menu. When done, upload this it to your Project Leader.

n, you should also send a copy
and subtasks on the Team Task
ddition, you will also update
Finally, update the status for
s Excel file to Canvas and email

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	11
Attendance Records	
Number of Students Present	7
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:

With charged batteries and the updated PWM drivers, we have tested the drive system to the limits of the mechanical hardware (there are some temporary 3D-printed) motor mounts that we have been told not to exectue turns with. We also learned that we were rejected from competition, so the team is adjusting some timelines to reduce the need for temporary solutions (e.g. the mechanical team is putting more time into arm design before manufacturing). Our priorities are autonomous navigation and the science system. Some aspects of the mechanical design of the science system are posing problems for power transmission to some of the motors. Also, as we will not have an arm to wire, develop controls for, or test, those systems are off track.

Task Report			
Milestone/Task	Due Date	Progress	On Track
Drive System	3/18/2018	83%	On Track
Assembly	2/23/2018	100%	On Track
E-Box	2/23/2018	100%	On Track
Wiring	2/23/2018	100%	On Track
Programming	3/2/2108	100%	On Track
Validation	3/2/2108	100%	On Track
Control Systems	3/2/2108	100%	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	33%	Off Track
Howe Hall Atrium	3/18/2018	100%	On Track
Richardson Ct. Asphalt pile	3/18/2018	0%	Off Track
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%	At Risk
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%	Off Track
Wiring	4/23/2018	10%	Off Track
E-Box	4/23/2018	0%	On Track
Arm Power/Control	4/23/2018	20%	Off Track
Software	4/23/2018	0%	Off Track
Validation	4/23/2018	0%	Off Track
Integration Testing	6/1/2018	0%	Off Track
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[REDACTED]

[REDACTED]

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[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]

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