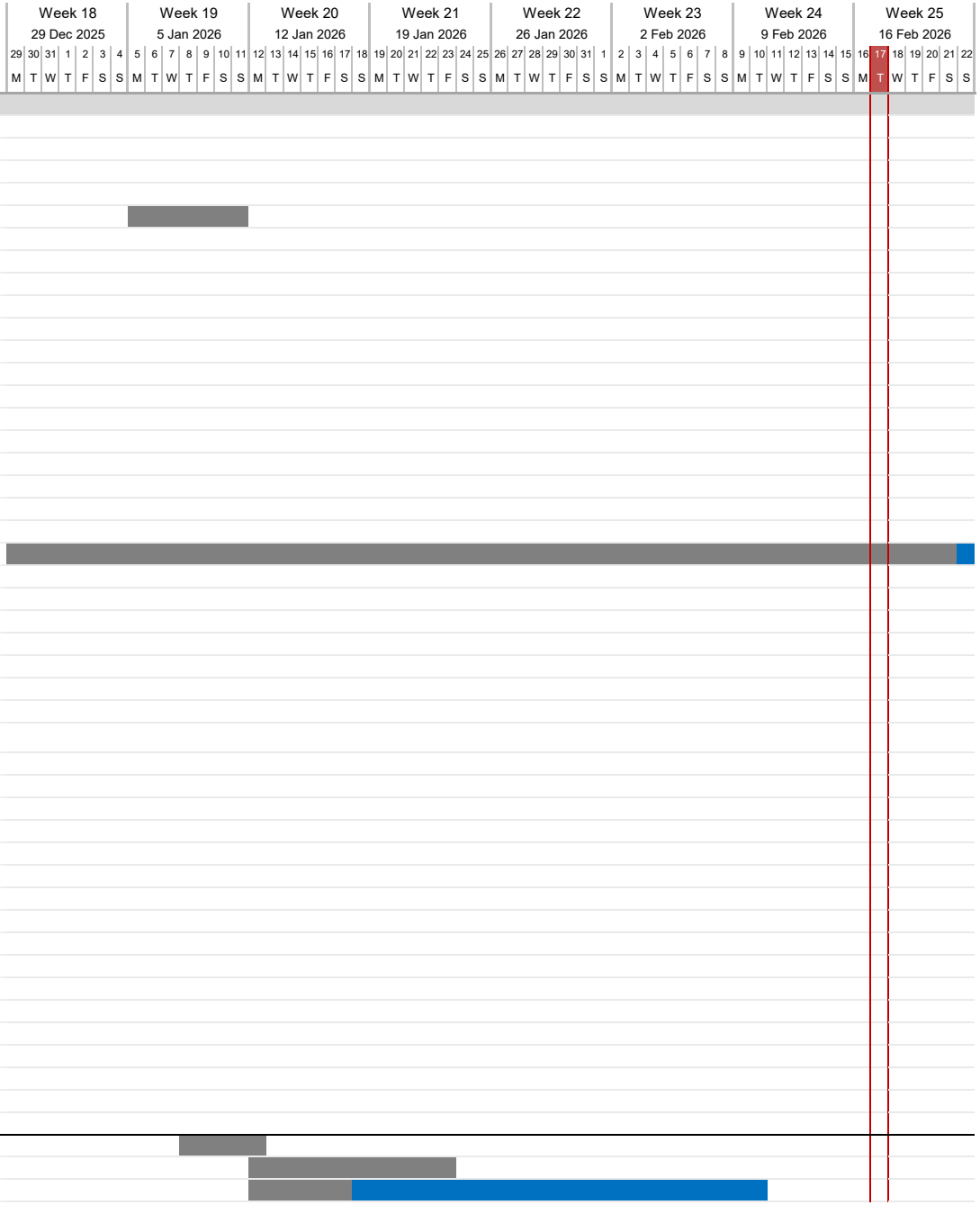
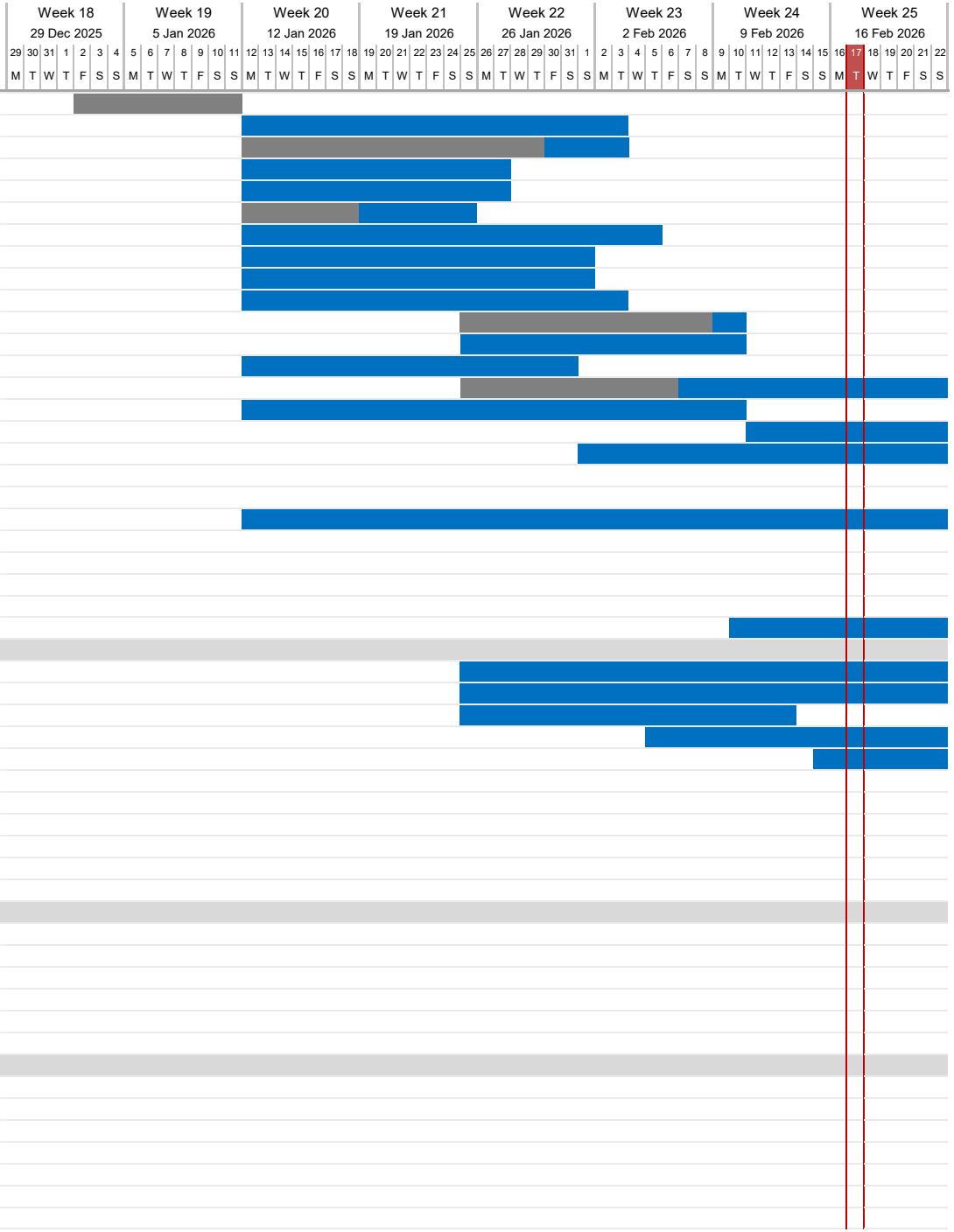
SAE Aero Regular Class

Gantt Chart Template © 2006-2025 by Vertex42.com.

Project Start Date: 9/1/2025 (Monday)
Project Lead: William Alcorn
Display Week: 18

WBS	TASK	LEAD	START	END	DAYS	% DONE	WORK DAYS
1	**Capstone 1 Specific Deliverables**			-			-
1.1	Presentation #1	Will	Tue 9/02/25	Mon 9/15/25	14	100%	10
1.1.1	QFD Creation	Dom	Sat 9/06/25	Fri 9/12/25	7	100%	5
1.1.2	Background & Benchmarking Research	All	Mon 9/08/25	Fri 9/12/25	5	100%	5
1.1.3	Literature Review	All	Thu 9/04/25	Fri 9/12/25	9	100%	7
1.1.4	Mathematical Modeling	Tylee	Mon 9/08/25	Fri 9/12/25	5	100%	5
1.1.5	Gantt Chart Creation	Gavin	Sun 9/07/25	Sat 9/20/25	14	100%	10
1.1.6	Anticipated Budget & Fundraising	Tyler	Mon 9/08/25	Fri 9/12/25	5	100%	5
1.2	Glider Prototype	Gavin+Dom	Fri 9/19/25	Sun 10/05/25	17	100%	11
1.2.1	Rough Airfoil design, begin adding controls	Gavin	Thu 9/25/25	Sun 10/05/25	11	100%	7
1.3	Presentation #2	Will	Wed 9/17/25	Tue 10/07/25	21	100%	15
1.3.1	Black Box Model	Gavin	Sat 9/20/25	Fri 9/26/25	7	100%	5
1.3.2	Concept Generations	All	Tue 9/16/25	Sun 9/21/25	6	100%	4
1.3.3	Engineering Calculations	Tylee	Sat 9/20/25	Sun 9/28/25	9	100%	5
1.3.4	Concept Evaluations	All	Sun 9/28/25	Wed 10/01/25	4	100%	3
1.3.5	Rough CAD Model	Dom	Wed 10/01/25	Tue 10/07/25	7	100%	5
1.3.6	Estimated Budget/BoM/Fundraising	Tyler	Thu 9/25/25	Fri 10/03/25	9	100%	7
1.4	Report #1	Will	Sun 10/05/25	Sat 10/18/25	14	100%	10
1.4.1	HoQ (House of Quality)	Dom	Fri 10/03/25	Tue 10/14/25	12	100%	8
1.4.2	Functional Decomposition Chart	Gavin	Mon 9/29/25	Tue 10/14/25	16	100%	12
1.5	Flying Training	Tyler/Will	Fri 10/17/25	Fri 4/17/26	183	70%	131
1.6	Website Check #1	Tylee	Sat 10/11/25	Fri 10/24/25	14	100%	10
1.6.1	Active & Published Website	Tylee	Sat 10/18/25	Mon 10/20/25	3	100%	1
1.6.2	Four Pages with at least minimal content	All	Thu 9/25/25	Wed 10/22/25	28	100%	20
1.7	Presentation #3	Will	Wed 10/22/25	Tue 11/04/25	14	100%	10
1.7.1	ERs and CRs	Tylee	Tue 10/14/25	Thu 10/23/25	10	100%	8
1.7.2	High-quality top-level design	Dom	Tue 10/14/25	Thu 10/23/25	10	100%	8
1.7.3	Flow Charts of design	Gavin	Tue 10/14/25	Mon 10/20/25	7	100%	5
1.7.4	Part specifications and quantifiable metrics based on calculations	Gavin+Dom	Fri 10/17/25	Sun 10/26/25	10	100%	6
1.7.5	FMEA	Gavin	Tue 10/21/25	Sun 11/02/25	13	100%	9
1.8	1st Prototype Demo	Gavin	Tue 10/28/25	Mon 11/10/25	14	100%	10
1.8.1	1 Physical Prototype	Gavin	Fri 9/26/25	Sun 11/09/25	45	100%	31
1.8.1.1	1 to 1 Scale of final aircraft, no cargo or control surfaces	Gavin	Fri 9/26/25	Sun 11/09/25	45	100%	31
1.8.2	1 Virtual Prototype	Gavin	Fri 10/03/25	Sun 11/09/25	38	100%	26
1.8.2.1	ANSYS Fluent for Control Surfaces	Gavin	Fri 10/03/25	Sun 11/09/25	38	100%	26
1.9	Report #2	Will	Tue 11/11/25	Mon 11/24/25	14	100%	10
1.9.1	Updated HoQ (House of Quality)	Dom	Tue 11/11/25	Sat 11/22/25	12	100%	9
1.9.2	Updated Functional Decomposition Chart	Gavin	Tue 11/11/25	Sat 11/22/25	12	100%	9
1.10	2nd Prototype Demo	Gavin	Wed 11/19/25	Tue 12/02/25	14	100%	10
1.10.1	1 Updated Physical Prototypes	Gavin	Mon 11/10/25	Sun 11/30/25	21	100%	15
1.10.1.1	Low Fidelity prototype or several subsystem prototypes	Gavin	Mon 11/10/25	Sun 11/30/25	21	100%	15
1.10.2	1 Updated Virtual Prototypes	Dom/Tyler	Mon 11/10/25	Sun 11/30/25	21	100%	15
1.10.2.1	Complex modeling, motion studies, VR/AR simulations	Dom/Tyler	Mon 11/10/25	Sun 11/30/25	21	100%	15
1.11	Final CAD and Final BOM	Dom/Tyler	Sat 11/22/25	Fri 12/05/25	14	100%	10
1.12	Website Check #2	Tylee	Mon 10/27/25	Sat 12/06/25	41	100%	30
1.12.1	Website up-to date all documents, gallery of prototypes	All	Mon 10/27/25	Fri 12/05/25	40	70%	30
1.13	Project Management	Will+Tylee	Thu 1/08/26	Mon 1/12/26	5	100%	3
1.14	Engineering Model Summary	Dom	Mon 1/12/26	Fri 1/23/26	12	100%	10
1.15	100% Build	Gavin	Mon 1/12/26	Tue 2/10/26	30	20%	22



Project Start Date: 9/1/2025 (Monday)
Project Lead: William Alcorn
Display Week: 18

WBS	TASK	LEAD	START	END	DAYS	% DONE	WORK DAYS
1.15.1	Mainframe	Gavin	Fri 1/02/26	Sun 1/11/26	10	100%	6
1.15.2	Subframe	Gavin	Mon 1/12/26	Tue 2/03/26	23	0%	17
1.15.2.1	Fuselage	Dom	Mon 1/12/26	Tue 2/03/26	23	80%	17
1.15.2.2	Wing	Gavin+Will	Mon 1/12/26	Tue 1/27/26	16	0%	12
1.15.2.3	Tail	Tylee	Mon 1/12/26	Tue 1/27/26	16	0%	12
1.15.3	Landing Gear	Tyler	Mon 1/12/26	Sun 1/25/26	14	50%	10
1.15.4	Control Surfaces	Gavin	Mon 1/12/26	Thu 2/05/26	25	0%	19
1.15.4.1	Elevators	Gavin	Mon 1/12/26	Sun 2/01/26	21	0%	15
1.15.4.2	Rudder	Gavin	Mon 1/12/26	Sun 2/01/26	21	0%	15
1.15.4.3	Ailerons	Gavin	Mon 1/12/26	Tue 2/03/26	23	0%	17
1.15.5	Electronics Insulation/Calibration	Tyler+Dom	Sun 1/25/26	Tue 2/10/26	17	90%	12
1.15.6	Plane Wrapping	All	Sun 1/25/26	Tue 2/10/26	17	0%	12
1.15.7	Misc.	All	Mon 1/12/26	Sat 1/31/26	20	0%	15
1.16	Website Check #1	Tylee	Sun 1/25/26	Fri 2/27/26	34	40%	25
1.17	Finalized Testing Plan	Gavin	Mon 1/12/26	Tue 2/10/26	30	0%	22
1.18	Initial Testing Results	Gavin	Wed 2/11/26	Tue 3/03/26	21	0%	15
1.19	UGRADS Registration	Tyler	Sun 2/01/26	Fri 3/06/26	34	0%	25
1.20	Draft of Poster	Will	Fri 3/06/26	Fri 3/27/26	22	0%	16
1.21	Continued Testing and Optimization	Gavin	Tue 3/03/26	Tue 3/31/26	29	0%	21
1.22	Final CAD Packet	Dom	Mon 1/12/26	Sun 3/01/26	49	0%	35
1.23	Final Testing and Optimization	Gavin	Tue 3/31/26	Tue 4/07/26	8	0%	6
1.24	Final Poster and PowerPoint	Will	Fri 3/27/26	Fri 4/10/26	15	0%	11
1.25	Product Demo and Competition Readiness	Gavin	Wed 4/01/26	Tue 4/14/26	14	0%	10
1.26	Final Report & Final Website Check	Tyler/Tylee	Sat 2/28/26	Fri 4/17/26	49	0%	35
1.27	Client handoff - Spec. Sheet & Operation/Assembly Manual	All	Tue 2/10/26	Fri 5/01/26	81	0%	59
2	**Competition Specific Deliverables**			-			-
2.1	Technical Design Report	Will	Sun 1/25/26	Sun 3/01/26	36	0%	25
2.1.1	Design Report	Will	Sun 1/25/26	Sun 3/01/26	36	0%	25
2.1.2	Maximum Flight Score Prediction	Gavin	Sun 1/25/26	Fri 2/13/26	20	0%	15
2.1.3	2-D Drawing	Dom	Thu 2/05/26	Tue 2/24/26	20	0%	14
2.1.4	Certificate of Compliance	Tyler/Tylee	Sun 2/15/26	Tue 2/24/26	10	0%	7
2.2	Request for Design Changes	Dom	Wed 2/25/26	Fri 4/10/26	45	0%	33
2.3	SAE STARS	Gavin	Thu 4/16/26	Sun 4/19/26	4	0%	2
2.4	Lottery Registration	Will/Tyler	Thu 10/09/25	Wed 10/22/25	14	100%	10
2.5	AMA	Will/Tyler	Thu 10/09/25	Wed 10/22/25	14	100%	10
2.5.1	Training	Will/Tyler	Thu 10/09/25	Wed 10/22/25	14	100%	10
2.5.2	Certification	Will/Tyler	Thu 10/09/25	Wed 10/22/25	14	100%	10
3	**[Task Category]**			-			-
3.1	[Task]			-	0	0%	-
3.1.1	[Sub-task]			-	0	0%	-
3.2	[Task]			-	0	0%	-
3.3	[Task]			-	0	0%	-
3.4	[Task]			-	0	0%	-
3.5	[Task]			-	0	0%	-
4	**[Task Category]**			-			-
4.1	[Task]			-	1	0%	-
4.2	[Task]			-	1	0%	-
4.3	[Task]			-	1	0%	-
4.4	[Task]			-	1	0%	-
4.5	[Task]			-	1	0%	-
							-
							-