## **TEAM 3 GANTT CHART - WINTER TERM**

PROJECT TITLE Electrostatic Dust Analyzer	COMPANY NAME Team 3 - Felix Moss, Nathan Truong, Annika Boyd, Eisa Elsharifi
PROJECT MANAGER Josh Mendez	DATE/VERSION 1/22/2025 - V1.0

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WBS		START DUE															WEEK 3 WEEK 4			WEEK 5					WEEK 6				WEEK	۲7		W	EEK 8			WEEK	<b>6</b> 9		WEEK 10		
NUMBER	TASK TITLE	TASK OWNER	DATE	DATE	TIME (DAYS)	M	T W	RI	F M	Т	W R	F	M ·	T W	/ R	F	м т	w	RI	F M	Т	WF	R F	М	T V	V R	F	МТ	w	R	F M	Т	W F	₹ F	M	۲W	R	F M	1 T	w	R F
1	Project Planning																																								
1.1	Define project objectives and scope	All	1/6/25	1/12/25	7																																				
1.2	Research detection methods and similar projects	All	1/13/25	1/19/25	7				*/																																
1.3	Identify risks and mitigation strategies	All	1/20/25	1/24/25	5																																				
1.4	List technical specifications and constraints	Eisa, Annika	1/20/25	1/24/25	5																																				
1.5	Finalize deliverables and success metrics	All	1/20/25	1/24/25	5																																				
1.6	Develop project timeline and allocate resources	Felix	1/20/25	1/24/25	5																																				
1.7	Confirm lab/tools availability	Felix, Eisa	1/24/25	1/26/25	3																																				
2	Project Design																																								
2.1	Finalize high-level block diagrams	Nathan	1/26/25	1/30/25	5																																				
2.2	Identify necessary components	All	1/31/25	2/3/25	4																																				
2.3	Develop initial schematics and mechanical design	Eisa, Annika	2/4/25	2/9/25	6																																				
2.4	Select suppliers for components	Annika	2/10/25	2/12/25	3																																				
2.5	Get feedback and finalize designs	All	2/13/25	2/14/25	2																											$\Box$		T					$\Box$		
2.6	Finalize BOM	All	2/15/25	2/16/25	2																																				
3	Project Prototyping																																								
3.1	Order PCBs and components	Eisa, Annika	2/17/25	2/20/25	4																											$\Box$							$\Box$		
3.2	Assemble quick prototypes for subsystems	All	2/21/25	2/26/25	6																																				
3-3	Integrate subsystems into a functional prototype	All	2/27/25	3/3/25	5																																				
3-4	Address issues and update design	All	3/4/25	3/8/25	5																																				
3-5	Perform basic mechanical assembly	Felix, Nathan	3/9/25	3/11/25	3																																				
3.6	Complete first integrated prototype	All	3/12/25	3/14/25	3												T																								

## **TEAM 3 GANTT CHART - SPRING TERM**

PROJECT TITLE Electrostatic Dust Analyzer	COMPANY NAME Team 3 - Felix Moss, Nathan Truong, Annika Boyd, Eisa Elsharifi
PROJECT MANAGER Josh Mendez	DATE 1/22/2025 - V1.0

												PH	ASE FO	our -	- TESTI	ING									PH	ASE F	FIVE -	REFIN	IEME	NT							PHASE	SIX-	INALI	ZATIC	N			4
WBS			START	DUE			WE	EK 1			١	WEEK			٧	VEEK 3	3		W	EEK 4			WE	EK 5			WE	EK 6			WEE	К 7		W	VEEK 8			WE	EK 9			WEEK:		4
NUMBER	TASKTITLE	TASK OWNER	DATE	DATE	TIME (DAYS)	М	т '	w F	R F	м	Т	w	R	F N	м т	w	R F	М	т	W F	R F	М	τV	V R	F	М	т	w R	F	М	T W	R	F N	и т	w	R F	М	т	N R	F	м .	r w	R F	1

4	Project Testing																		
4.1	Conduct lab tests for functionality	All	3/17/25	3/20/25	4			$\top$										$\Box$	
4.2	Validate particle detection and charge measurement accuracy	All	3/21/25	3/25/25	5														
4-3	Share prototype with sponsor for feedback	All	3/26/25	3/28/25	3														
4.4	Simulate atmosphereic conditions for testing	All	3/29/25	4/2/25	5														
4-5	Test durability and reliability	All	3/3/25	3/7/25	5														
4.6	Analyze test data	All	4/8/25	4/9/25	2														
4.7	Identify areas of improvement	All	4/11/25	4/12/25	2														
4.8	Document all testing	Felix	3/17/25	4/11/25	26														
5	Project Refinement																		
5.1	Update schematics/PCBs based on feedback	Annika, Eisa	4/14/25	4/18/25	5														
5.2	Reorder PCBs or order components if necessary	Annika, Eisa	4/19/25	4/21/25	3														
5-3	Enhance software	Eisa, Nathan	4/22/25	4/25/25	4														
5-4	Verify refined prototype meets all specifications	All	4/28/25	5/2/25	5														
6	Project Finalization																		
6.1	Write final project report	All	5/5/25	5/9/25	5														
6.2	Write technical documentation	All	5/10/25	5/14/25	5														
6.3	Prepare final poster	All	5/15/25	5/22/25	8														
6.4	Develop and rehearse presentation	All	5/15/25	5/22/25	8														
6.5	Deliver final prototype to sponsor	All	5/23/25	5/23/25	1														
6.6	Present at capstone showcase	All	6/13/25	6/13/25	1														