## **GANTT CHART**

PROJECT TITLE	IoT Air Quality Monitoring System
PROJECT MANAGER	Jakkapong Dumdee
PROJECT MEMBER	Pattaraporn Pongkhetkam
	Thanatip sriwath
	Pheraphon Prueksjamas

COMPANY NAME	แกงส้มปลาหมอคางดำ
DATE	1/17/25

คาดการณ์ สำเร็จแล้ว

								PHASE ONE									PHASE TWO												
WBS NUMBER	TASK TITLE	TASK OWNER	START DATE	DUE DATE	DURATION	PCT OF TASK COMPLETE	WI	EEK 1	6-10/1	/68)	WEE	K 2(13	-17/1	/68)	WEEK 3(20-24/1/68)			/68)	WEE	WEEK 4(27-31/1/6		1/68) WEEK 5(3-7/2/6		-7/2/6	8)	WEEK	6(10-1	14/2/68)	
							М	Т	W R	F	М	T W	/ R	F	M	T W	/ R	F	M	T V	V R	F	M 1	W	/ R	F	МТ	W	R F
1	Project Definition and Planning		_																										
1.1	Define Scope and Goals	Jakkapong	1/6/25	1/8/25	2	100%																							
1.2	Identify Required Hardware and Software	Pheraphon	1/8/25	1/10/25	2	100%																							
1.3	Estimate Budget	Jakkapong , Pattaraporn	1/10/25	1/13/25	3	100%											: : : : : : : : : : : : : : : : : : :										: : : : : : : : : : : : : : : : : : :		
1.4	Create Project Schedule	Pheraphon	1/10/25	1/15/25	5	100%											: : : : : : : : : :												
1.5	Team Allocation and Role Assignment	Pheraphon	1/10/25	1/15/25	5	100%																							
2	Hardware Development								<del>-</del>																				
2.1	Sensor Selection (PM2.5, PM10, Temperature)	Pattaraporn	1/10/25	1/13/25	4	100%																							
2.2	Purchase and Procurement of Components	Pattaraporn	1/10/25	1/13/25	3	100%																							
2.3	Sensor Calibration and Testing	Jakkapong	1/10/25	1/15/25	0	100%			<u> </u>								:		<u> </u>					:			:		
2.4	Circuit Design and Assembly	Jakkapong	1/10/25	1/15/25	0	100%																					:		
3	Software Development																												
3.1	Develop Microcontroller Code for Sensor Data Reading	Jakkapong	1/13/25	1/20/25	0	100%																					:		
3.2	Develop Semaphore and Mutex	Pheraphon	1/15/25	1/21/25	0	100%																		<u> </u>					

3.3	Develop Cloud Storage Integration	Jakkapong	1/15/25	1/22/25	0	0%								
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3.4	Create User Interface (Web Dashboard or Mobile App)	Pheraphon	1/16/25	1/22/25	0	0%								
4	System Integration and Testing													
4.1	Integrate Hardware and Software Components	Pattaraporn	1/22/25	1/28/25	0	0%								
4.2	Debug System Issues	Thanatip	1/22/25	1/28/25	0	0%								
							 		<u> </u>					
4.3	Optimize Power Consumption	Pattaraporn	1/23/25	1/28/25	0	0%								
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4.4	Full-System Stress Testing	Pattaraporn	1/24/25	1/28/25	0	0%								
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5	Deployment and Monitoring													
5.1	Deploy System in Target Area	Pheraphon	1/28/25	1/31/25	0	0%								
5.2	Configure Real-Time Data Monitoring	g Pheraphon	1/28/25	1/31/25	0	0%								
							 	 		····	 	<u> </u>	 	
5.3	One does the trial Field Teasts	Thanatip	1/29/25	1/31/25	0	0%								
3.0	Conduct Initial Field Tests		., 2,, 20	., 0 ., 20		<b>3</b> .0				<u> </u>				
5.4	Finalize Documentation and User Ma	ar <sup>Thanatip</sup>	1/29/25	2/3/25	0	0%								

Flow chart

https://drive.google.com/drive/folders/1n5XliznDiS0pXYKXsbGMExTbnSrC4TNF?usp=sharing

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https://www.canva.com/design/DAGcblL84hw/D4OS9cMg7MpLuqq5SBkovg/edit?utm\_content=DAGcblL84hw&utm\_campaign=designshare&utm\_medium=link2&utm\_source=sharebutton