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

				DUE DATE		PCT OF TASK COMPLETE	PHASE ONE									PHASE TWO															
WBS NUMBER	R TASK TITLE	TASK OWNER	START DATE		DURATION		WE	EK 1(6-10/ ⁻	1/68)	WEE	EK 2(1	3-17/	1/68)	WEE	EK 3(20-24	/1/68) W	WEEK 4(27-31/1/6			(68) WEEK 5(3-7/2/68)) V	VEEK (5(10-	14/2/6	8)	
							М	Т	WF	R F	М	Т	WF	F	М	Т	W	R F	М	Т	W	R	FN	Т	W	R	F	1 T	W	R	F
1	Project Definition and Planning																														
1.1	Define Scope and Goals	Jakkapong	1/6/25	1/8/25	2	100%																									
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1.2	Identify Required Hardware and Software	Pheraphon	1/8/25	1/10/25	2	100%																									
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1.3	Estimate Budget	Jakkapong , Pattaraporn	1/10/25	1/13/25	3	100%																									
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1.4	Create Project Schedule	Pheraphon	1/10/25	1/15/25	5	100%		<u> </u>													<u>.ii</u>	<u>!</u>									
1.5	Team Allocation and Role Assignment	Pheraphon	1/10/25	1/15/25	5	100%																									
	Assignment							<u> </u>	<u>i</u>					<u>i</u>	<u> </u>	<u>i</u> .	<u>i</u>	<u>i</u>	<u> </u>		<u>.ii</u>	<u>i</u>			<u> </u>	<u>i</u>		<u>i</u>			
2	Hardware Development																														
2.1	Sensor Selection (PM2.5, PM10, Temperature)	Pattaraporn	1/10/25	1/13/25	4	100%																									
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2.2	Purchase and Procurement of Components	Pattaraporn	1/10/25	1/13/25	3	100%																									
0.0	One and Onlike asting and Treating	Inlilian and	1/10/05	1/15/05	0	0004																									
2.3	Sensor Calibration and Testing	Jakkapong	1/10/25	1/15/25	0	20%		<u> </u>						<u>!</u>				<u>!</u>	<u></u>			<u>!</u>						<u>!</u>			
2.4	Circuit Design and Assembly	Jakkapong	1/10/25	1/15/25	0	10%																									
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3	Software Development																														
3.1	Develop Microcontroller Code for Sensor Data Reading	Jakkapong	1/13/25	1/20/25	0	0%																									
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3.2	Develop Semaphore and Mutex	Pheraphon	1/15/25	1/21/25	0	0%																									

3.3	Develop Cloud Storage Integration	Jakkapong	1/15/25	1/22/25	0	0%						
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%						
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4.2	Debug System Issues	Thanatip	1/22/25	1/28/25	0	0%						
4.3	Optimize Power Consumption	Pattaraporn	1/23/25	1/28/25	0	0%						
4.4	Full-System Stress Testing	Pattaraporn	1/24/25	1/28/25	0	0%						
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 Monitorin	g Pheraphon	1/28/25	1/31/25	0	0%						
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5.3	Conduct Initial Field Tests	Thanatip	1/29/25	1/31/25	0	0%						
5.4	Finalize Documentation and User Ma	ar ^{Thanatip}	1/29/25	2/3/25	0	0%						

Flow chart

https://drive.google.com/file/d/10ijhMEDoJNqekvuoQz9kzfdonzVhExBQ/view?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