Project Planning Phase

Product Backlog, Sprint Schedule, and Estimation

Sprint	Duration	Start	End	Goals /	Estimation	Notes
No.	(Weeks)	Date	Date	Deliverables	(Person-	
					Days)	
Sprint	2	2025-	2025-	Requirement	10	Setup network
1		04-16	04-29	analysis,		data capture
				environment setup,		tools
				data collection		
Sprint	2	2025-	2025-	Data preprocessing	12	Develop scripts
2		04-30	05-13	pipeline, feature		for feature
				engineering		extraction
Sprint	3	2025-	2025-	Initial AI model	15	Train/test
3		05-14	06-03	development		Random Forest,
				(classical ML		SVM
				baseline)		
Sprint	3	2025-	2025-	Deep learning	18	LSTM/CNN
4		06-04	06-24	model design and		models for
				prototyping		anomaly
						detection
Sprint	2	2025-	2025-	Integration of	14	Connect models
5		06-25	07-08	detection engine		with data
				with real-time data		pipeline
				stream		
Sprint	2	2025-	2025-	Alerting system and	12	Setup
6		07-09	07-22	dashboard UI		notification and
				prototype		visualization
Sprint	2	2025-	2025-	System testing,	12	Test for false
7		07-23	08-05	performance tuning,		positives,
				and documentation		optimize speed
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Sprint	1	2025-	2025-	Final deploy	nent	8	Deploy sys	stem
8		08-06	08-12	and user trainin	g		and train use	ers

Sprint	Start	End	Milestone Description	Deliverables	
No.	Date	Date			
Sprint 1	2025-	2025-	Project initiation, environment	Data capture setup,	
	04-16	04-29	& data setup	requirements doc	
Sprint 2	2025-	2025-	Data preprocessing pipeline	Scripts, sample processed	
	04-30	05-13	ready	data	
Sprint 3	2025-	2025-	Baseline AI models trained	Classical ML models,	
	05-14	06-03	and validated	evaluation report	
Sprint 4	2025-	2025-	Deep learning models	Trained DL models,	
	06-04	06-24	developed	codebase	
Sprint 5	2025-	2025-	Detection engine integrated	Real-time detection	
	06-25	07-08	with streaming data	prototype	
Sprint 6	2025-	2025-	Alerting and dashboard	Alerts system, UI	
	07-09	07-22	prototype completed	mockups	
Sprint 7	2025-	2025-	System testing and	Test results, performance	
	07-23	08-05	optimization completed	tuning	
Sprint 8	2025-	2025-	Final deployment and user	Deployed system,	
	08-06	08-12	training	training docs	