

Unit Learning Plan

Course :	Deep Learning and AI Applications	Auto-populated from Cover Page
Unit Code	IT1122	Auto-populated from Cover Page
Unit Name	Generative AI	Auto-populated from Cover Page
Academic Year/Semester :	2024/52	Auto-populated from Cover Page
Unit 1 teacher	Wee Chieh Hong	Auto-populated from Cover Page
Unit Tutor(s)/Supervisor(s)	Steven Ng	Auto-populated from Cover Page

Week	Sub-Tasks / Activities	Hours	Mode	Assessment	Remarks	For staff reference only:
22-10-25	Generative AI introduction (lecture)	1	Sync-Physical			
	Generative AI introduction (practical)	2	Sync-Physical			
			Please Select			
23-10-25	Transformer Architecture & Large Language Model(lecture)	1	Sync-Online			
	Transformer Architecture & Large Language Model(practical)	2	Sync-Online			
			Please Select			
29-10-25	Prompt Engineering(lecture)	1	Sync-Physical			
	Prompt Engineering(Practical)	2	Sync-Physical			
			Please Select			
30-10-25	LLM Application(lecture)	1	Sync-Online	Test 1 (10%) non proctored test Topic Lesson 1 - 3		
	LLM Application(pactical)	2	Sync-Online			
			Please Select			
05-11-25	Retrieval Augmented Generation -RAG (lecture)	1	Sync-Physical			
	Retrieval Augmented Generation -RAG (practical)	2	Sync-Physical			
			Please Select			
06-11-25	Introduction to Agentic AI - Single agent system (lecture)	1	Sync-Online			
	Introduction to Agentic AI - Single agent system (practical)	2	Sync-Online			
			Please Select			
12-11-25	LLM application performance evaluation (lecture)	1	Sync-Physical			
	LLM application performance evaluation (practical)	2	Sync-Physical			
			Please Select			
13-11-25	Ethics and Social Implications (lecture)	1	Sync-Online			
	Ethics and Social Implications (practical)	2	Sync-Online			
			Please Select			
19-11-25	Test 2	3	Sync-Physical	Test 2 (30%) Topics- Lesson 1 to 8		
			Please Select			
			Please Select			
20-11-25	Generative AI with Text (lecture)	1	Sync-Online			
	Generative AI with Text (practical)	2	Sync-Online			
			Please Select			
26-11-25	Generative AI with Image (lecture)	1	Sync-Physical			
	Generative AI with Image (practical)	2	Sync-Physical			
			Please Select			
27-11-25	Generative AI in Audio/Speech (lecture)	1	Sync-Online			
	Generative AI in Audio/Speech (practical)	2	Sync-Online			

				Please Select			
03-12-25	7	Multi-Agent System and Agentics Patterns -1 (lecture)	1	Sync-Physical			
		Multi-Agent System and Agentics Patterns -1 (pactical)	2	Sync-Physical			
				Please Select			
11-12-25	8	Assignment 1 - use case presentation (consultation)	3	Sync-Online			
				Sync-Physical			
				Please Select			
22-12-25	10	Term Break		Please Select			
				Please Select			
				Please Select			
20-12-25	11	Term Break		Please Select			
				Sync-Physical			
				Please Select			
07-01-26	12	Assignment 1 - use case presentation	3	Sync-Physical	Assignment 1 _use case presentation (30%)		
				Sync-Physical			
				Please Select			
08-01-26	12	Multi-Agent System and Agentics Patterns -2 (lecture)	1	Sync-Online			
		Multi-Agent System and Agentics Patterns -2 (pactical)	2	Sync-Online			
				Please Select			
14-01-26	13	Multi-Agent System and Agentics Patterns -3 (lecture)	1	Sync-Physical			
		Multi-Agent System and Agentics Patterns -3 (pactical)	2	Sync-Physical			
				Please Select			
21-01-26	14	LLM Guardrail (lecture)	1	Sync-Online			
		LLM Guardrail (practical)	2	Sync-Online			
				Please Select			
28-01-26	15	LLM Application Security (lecture)	1	Sync-Online			
		LLM Application Security (practical)	2	Sync-Online			
				Please Select			
04-02-26	16	Practical 1 - F2F	3	Sync-Physical	Practical Test 1 (30%)		
				Sync-Physical			
				Please Select			
06-02-26				Please Select			
				Please Select			
				Please Select			