INTERNATIONAL QUALIFICATIONS

AND ASSESSMENT CENTRE (IQAC)

Approved:

2025 y. «__16__» _____

Programme	**Level 6 Diploma in Artificial Intelligence**		
Unit Number/ Unit Title	UNIT 4 AI ETHICS, LAW, AND GOVERNANCE		
Cohort Code:	L06AIEL-U4		
Unit Level	6		
Total GLH	Total qualification time 200/ Total Guided learning hours 90/ Self-guided learning hours 110		
Credits	20 CATS/ 10 ECTS		
Lecturer			
Start Date		**End Date**	

Unit Aims	This unit explores the ethical, legal, and governance challenges in AI. Learners will critically examine data privacy, bias in algorithms, explainability, regulatory frameworks, and societal implications, preparing them for responsible AI development and deployment.
Differentiation Strategies *(e.g. planned activities or support for individual learners according to their needs)*	The total number of students to be in the lesson is approximately 20. This is a multicultural group of students predominantly between the ages of 24 – 45, with numerous ethnic, gender, and creed background. These are UK academic level 5 students; hence it is assumed that they have practical, theoretical, or technological knowledge and understanding of a subject or field of work to find ways forward in broadly defined, complex contexts. These students must be able to generate information, evaluate, synthesise the use information from a variety of sources. Various approaches to addressing the various identified students needs will be adopted throughout the lesson. Such will include:- 1. Progressive tasks 2. Digital resources 3. Verbal support 4. Variable outcomes

	5. Collaborative learning 6. Ongoing assessment 7. Flexible-pace learning
Equality & Diversity	Variety of teaching techniques will be employed to ensure that the needs of each individual learner are met.
Safeguarding & Prevent	Safeguarding policies and the Prevent duty are strictly observed to ensure the safety, well-being, and inclusivity of all students and staff.
Health & Safety	SIRM H&S policies will be maintained.
Learning Resources	**Teaching and Learning Materials** • Mittelstadt, B. (2019). Principles of AI Ethics. • O'Neil, C. (2016). Weapons of Math Destruction. • Eubanks, V. (2018). Automating Inequality. • EU & OECD Guidelines on AI.

Learning Outcome	Assessment Criteria
LO1. 1. Critically evaluate ethical issues in AI.	1.1 Analyse bias and discrimination in algorithms. 1.2 Discuss ethical dilemmas in AI decision-making.
LO2. 2. Understand data protection and privacy laws.	2.1 Evaluate GDPR, CCPA, and related laws. 2.2 Apply privacy-by-design principles in AI systems.
LO3. 3. Assess algorithmic transparency and accountability.	3.1 Apply techniques for model explainability. 3.2 Discuss roles and responsibilities in AI governance.
LO4. 4. Explore global AI policies and regulations.	4.1 Compare international AI policy frameworks. 4.2 Assess implications for cross-border AI deployment.
LO5. 5. Develop responsible AI strategies.	5.1 Design ethical review protocols. 5.2 Recommend governance structures for AI systems.

No	Learning Outcome / Topic	Learning and Teaching Activities	Which assessment criteria does the session relate to?	Day/month/year/ signature
1.	**Introduction to AI Ethics** K	**Introduction to AI Ethics** Key principles: Fairness, Accountability, Transparency (FAT)	LO1: Ethical Issues in AI	
2.	**Algorithmic Bias & Discrimination**	**Algorithmic Bias & Discrimination** Case studies: COMPAS, hiring algorithms, facial recognition	LO1: Ethical Issues in AI	
3.	**Ethical Dilemmas in AI**	**Ethical Dilemmas in AI** Trolley problems, autonomous weapons, medical AI	LO1: Ethical Issues in AI	
4.	**Human Rights & AI**	**Human Rights & AI** Impact on privacy, freedom of expression, and equality	LO1: Ethical Issues in AI	
5.	**Responsible AI Design**	**Responsible AI Design** Value-sensitive design, participatory approaches	LO1: Ethical Issues in AI	
6.	**GDPR Deep Dive**	**GDPR Deep Dive** Key provisions, right to explanation, fines	LO2: Data Protection & Privacy Laws	
7.	**CCPA & Global Privacy Laws**	**CCPA & Global Privacy Laws** Comparison with Brazil's LGPD, India's DPDPA	LO2: Data Protection & Privacy Laws	
8.	Half-Term Exam	- Review of LO1 topics - Practice questions and mock assessment - **Half-term assessment** based on LO1 (theory)	LO1 LO2	
9.	**Privacy-by-Design**	**Privacy-by-Design** Techniques: Data minimization, anonymization, federated learning	LO2: Data Protection & Privacy Laws	
10.	**AI & Surveillance**	**AI & Surveillance** Ethical boundaries, facial recognition bans	LO2: Data Protection & Privacy Laws	

11.	**Data Governance Frameworks**	**Data Governance Frameworks** Roles of DPOs (Data Protection Officers), compliance audits	LO2: Data Protection & Privacy Laws	
12.	**Explainable AI (XAI) Methods**	**Explainable AI (XAI) Methods** SHAP, LIME, counterfactual explanations	LO3: Transparency & Accountability	
13.	**Model Documentation**	**Model Documentation** Datasheets for datasets, model cards	LO3: Transparency & Accountability	
14.	Final Exam Preparation & Review	- Comprehensive review of all learning outcomes - Practice questions and revision of key topics		
15.	Final Exam	- **Final-term assessment** covering all learning outcomes (theory and practical elements)		
16.	Feedback & Reflection	- Review of final exam - Individual feedback on performance - Reflective discussion on key learning points		
17.	**AI Accountability Frameworks**	**AI Accountability Frameworks** Liability laws, human-in-the-loop requirements	LO3: Transparency & Accountability	
18.	**Auditing AI Systems**	**Auditing AI Systems** Algorithmic impact assessments (AIAs)	LO3: Transparency & Accountability	
19.	**Whistleblowing & Redress**	**Whistleblowing & Redress** Case study: AI ethics whistleblowing at Big Tech	LO3: Transparency & Accountability	
20.	**EU AI Act**	**EU AI Act** Risk-based classification, prohibited practices	LO4: Global AI Policies	
21.	**US & China AI Strategies**	**US & China AI Strategies** Comparison: Innovation vs. state control	LO4: Global AI Policies	
22.	**UN & OECD Guidelines**	**UN & OECD Guidelines** Global consensus on AI principles	LO4: Global AI Policies	
23.	Half-Term Exam	**Project**		

		Develop an AI ethics policy for a real-world scenario		
24.	**Sector-Specific Regulations**	**Sector-Specific Regulations** Healthcare (FDA), finance (FCA), autonomous vehicles	LO4: Global AI Policies	
25.	**Cross-Border AI Challenges**	**Cross-Border AI Challenges** Data localization, extraterritorial enforcement	LO4: Global AI Policies	
26.	**Ethical Review Boards**	**Ethical Review Boards** Composition, workflows, case review processes	LO5: Responsible AI Strategies	
27.	**AI Governance Structures**	**AI Governance Structures** Roles: Ethics officers, compliance teams	LO5: Responsible AI Strategies	
28.	**Risk Mitigation Playbooks**	**Risk Mitigation Playbooks** Bias testing, fail-safe mechanisms **Stakeholder Engagement** Public consultations, citizen assemblies	LO5: Responsible AI Strategies	
29.	Final Exam Preparation & Review	LO1, LO2, LO3, LO4	LO1, LO2, LO3, LO4	
30.	Final Exam		LO1, LO2, LO3, LO4	