

Course Code	Course Name	Credits
26ED508	POLICY, ETHICS AND GOVERNANCE OF AI IN EDUCATION	04

Course Objectives

The course aims to,

- ✓ Demonstrate advanced knowledge of education and emerging technologies
- ✓ Critically analyze educational policies and technological interventions
- ✓ Apply ethical principles in educational practices
- ✓ Conduct independent research in education and AI
- ✓ Promote inclusive, equitable, and technology-enabled education
- ✓ Integrate interdisciplinary knowledge in education and governance

Learning Outcomes

After the completion of the course, the Learner will be able to,

- ❖ Explain concepts of AI and its applications in education
- ❖ Analyze policy frameworks governing AI in education
- ❖ Evaluate ethical issues such as bias, privacy, and accountability in AI
- ❖ Apply governance principles to AI-enabled educational systems
- ❖ Develop research-based solutions for responsible AI integration

Unit 1 - Foundations of AI in Education (12 hours)

Concept and evolution of AI - AI applications in education: Learning analytics, Adaptive learning, Automation - Role of AI in teaching, assessment, and administration; AI and future skills

Unit 2 –Policy Frameworks for AI in Education (12 hours)

NEP 2020 and AI integration; National Educational Technology Forum (NETF); AI policies in India (India AI Mission, governance guidelines); Global perspectives (UNESCO AI ethics framework)

Unit 3 - Ethics of AI in Education (12 hours)

Ethical principles: fairness, transparency, accountability, privacy, Algorithmic bias and discrimination; Data protection and surveillance concerns, Academic integrity and AI

Unit 4 -Governance and Regulation of AI (12 Hours)

AI governance models (principles-based, regulatory frameworks); Institutional governance in education-Role of stakeholders: government, institutions, teachers, learners ; Risk assessment and ethical audits

Unit 5 - AI, Society, and Educational Transformation (12 Hours)

AI and equity in education ; Digital divide and access issues; AI for inclusive and personalized learning; Future of education in AI-driven society

Reference Books:

1. Dhokare, S. G. (2023). Artificial intelligence in higher education: A critical analysis in the context of NEP 2020. International Journal of Intelligent Systems.
2. Freire, P. (1970). Pedagogy of the oppressed. Continuum.
3. Jobin, A., Ienca, M., & Vayena, E. (2019). The global landscape of AI ethics guidelines. Nature Machine Intelligence.
4. Khan, A. A., et al. (2021). Ethics of AI: A systematic literature review.
5. NCERT. (2020). National Education Policy 2020. Government of India.
6. NITI Aayog. (2021). Responsible AI for All. Government of India.
7. Prajapati, A. B. (2025). Artificial intelligence and NEP 2020: Shaping India's educational future.
8. UNESCO. (2021). Recommendation on the Ethics of Artificial Intelligence.

Alignment with NEP – 2020

The course **Policy, Ethics and Governance of AI in Education (26ED508)** is designed in alignment with the transformative vision of the National Education Policy 2020, which emphasizes holistic, multidisciplinary, skill-based, and research-driven education. The main features are as follows:

1. Integration of AI and emerging technologies
2. Development of critical thinking and problem-solving skills
3. Promotion of ethical and responsible technology use
4. Emphasis on research, innovation, and multidisciplinary learning
5. Focus on equity, inclusion, and digital access

COs and Bloom's Taxonomy Level (BTL) Mapping for 26ED508

Course Outcomes	On successful completion of the course, the students will be able to	BTL
CO1	Remember & Understand AL conceptys and policy frameworks	K1 & K 2
CO2	Apply with case studies, government practices	K 3
CO3	Analyze the ethical issues and policy critiques	K 4
CO4	Evaluate AI risks and aocietal impacts	K 5
CO5	Create policy research projects and policy recommendations	K 6

Bloom's Taxonomy Level (BTL):- K1 and K2 – remembering and understanding, K3 - Applying, K4 – Analyse, K5 - Evaluate and K6- Create

Relationship Matrix

Course Outcomes	Programme Outcomes (POs)								Programme Specific Outcomes (PSOs)							Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	
CO1	3	2	1	3	1	2	3	2	1	3	1	2	3	2	1	2.0
CO2	2	3	3	2	3	2	2	3	1	3	1	2	2	3	3	2.3
CO3	2	3	2	1	3	2	1	3	2	2	3	2	2	3	2	2.2
CO4	2	2	3	2	2	2	2	2	3	3	2	2	2	2	3	2.3
CO5	3	2	2	3	3	3	1	2	2	3	3	3	1	2	2	2.3
Total																2.2

Mean Score: 3- High, 2- Medium/Moderate, 1-Low

