

Course code	Course Name	Credit
26PL111	DIGITAL GOVERNANCE AND ARTIFICIAL INTELLIGENCE	4

Course Objectives

- To understand the role of digital technologies and AI in modern governance.
- To examine the use of AI in public administration, policy-making, and service delivery.
- To analyse issues of data governance, privacy, and ethics in digital governance.
- To evaluate the impact of digital technologies on citizen engagement and democracy.

Learning Outcomes

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

- Define and recall key concepts of digital governance and Artificial Intelligence.
- Explain the role, models and evolution of AI and digital governance.
- Demonstrate how digital technology and AI technologies can be applied to public service and policy implementation.
- Analyse the impact of digital technology and AI on governance, policy-making and administrative efficiency.
- Assess and evaluate digital initiatives and ethical debate concerns AI.
- Develop ideas in which digital and AI can improve governance and public administration

Unit I: Understanding Digital and AI Governance (12 hrs)

Meaning and concept of digital governance and Artificial Intelligence; Evolution of Digital Governance and AI; Difference between AI and E-Governance; AI and public sector administration

Unit II: Concepts and Models (12 hrs)

Digital Governance: Transparency, Efficiency, Participatory and Accountability; AI: Machine Learning, Natural Language Processing, Robotics and Automation; Models: G2G, G2C and G2B

Unit III: Application of AI in Governance (12 hrs)

AI in public policy; AI in policing and security; AI in welfare administration

Unit IV: Ethical and Legal Issues in AI Governance (12 hrs)

Data privacy and surveillance; AI ethics and accountability; Legal frameworks for AI governance

Unit V: Digital Governance and AI in India (12 hrs)

Major digital governance initiatives of government: Digital India Programme (DIP), National e-governance plan (NeGP), Common Service Centres (CSC); Key areas/sectors of AI initiatives governance in India: Public sector delivery, Policing and security and Healthcare

Essential Readings

1. Kim, Younhee & Michael J Ahn (2025), The Art of Digital Governance: Navigating Digital Platforms and AI Revolution, Springer, ISBN: 978-3-032-00513-7
2. Link - https://www.researchgate.net/publication/396529279_The_Art_of_Digital_Governance_Navigating_Digital_Platforms_and_AI_Revolution
3. Justin B. Bullock (ed.), Yu-Che Chen (ed.), Johannes Himmelreich (ed.), et al, (2022), The Oxford Handbook of AI Governance, Oxford Publisher.
4. Prabhu, C.S. R. (2004), E-Governance: Concepts and Case Studies, Prentice Hall of India Pvt. Ltd.
5. Ministry of Electronics and Information Technology (MeitY) (2025), India AI Governance Guidelines (2025/2026), Govt. of India
6. NITI Aayog (2018), National Strategy for Artificial Intelligence Report, NITI Aayog, Govt. of India.
7. Link- <chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://www.niti.gov.in/sites/default/files/2023-03/National-Strategy-for-Artificial-Intelligence.pdf>
8. NITI Aayog, Digital India Initiative Reports
9. Indian Journal of Law and Legal Research, Digital Governance and Artificial Intelligence

YouTube Link

1. Sansad TV, (2025), Perspective: India AI Governance Guidelines | 07 November, 2025
2. YouTube Link- <https://www.youtube.com/watch?v=uKgsPUJhs9M>

3. Prof. Deepak Khemani, NPTEL Video Course, Artificial Intelligence, <http://kcl.digimat.in/nptel/courses/video/106106126/L04.html>
4. NPTEL Video Course: NOC: Artificial Intelligence: Concepts and Techniques, <http://digimat.in/nptel/courses/video/106108705/L56.html>
5. Prof. Amit Prakash, Towards an Ethical Digital Society: From Theory to Practice, Swayam, https://onlinecourses.nptel.ac.in/noc26_hs98/preview

COs and Bloom's Taxonomy Level (BTL) Mapping – 26PL111		
Course Outcomes	On completing U.G. program in Political Science the students will be able to	BTL
CO1	Define, recall and explain key concepts such as digital governance, artificial intelligence, machine learning, and e-governance and distinguish between AI and e-governance.	K1, K2
CO2	Apply concepts of AI and digital governance models (G2G, G2C, G2B) in analyzing real-world governance scenarios and service delivery mechanisms.	K3
CO3	Analyze the application of AI in governance sectors such as public policy, policing, security, and welfare administration.	K4
CO4	Evaluate ethical and legal challenges in AI governance, including data privacy, surveillance, and accountability within regulatory frameworks.	K5
CO5	Propose innovative strategies, policy recommendations, or governance models to improve digital governance and AI implementation in India.	K6

BTL K1 and K2 – Remembering and Understanding, K3- Applying, K4 – Analyse, K5- Evaluate and K6- Create

Relationship Matrix- 26PL111													
Course Outcomes	Programme Outcomes (POs)						Programme Specific Outcomes (PSOs)						Mean Score of COs
	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	
CO1	2	2	1	2	2	1	2	2	1	2	1	1	1.5
CO2	2	3	2	2	2	1	2	3	2	2	3	2	2.1
CO3	2	3	3	2	2	2	2	3	2	2	3	2	2.3
CO4	2	3	2	2	2	2	2	3	3	2	3	2	2.3
CO5	2	3	2	2	2	2	2	3	3	2	3	2	2.3
	Total												2.1

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