

## ABOUT THE BOOK

Artificial Intelligence (AI) is no longer a futuristic concept but a rapidly evolving force reshaping our world. Its impact is being felt across all sectors, and the legal system and justice administration of every governance are no exceptions. This book *Artificial Intelligence (AI) and Law* offers a comprehensive exploration of the intricate interplay between these transformative fields. This book delves into the complex relationship between AI and the fundamental pursuit of justice. It critically examines the novel legal and governance challenges arising from rapid AI advancements, offering insightful analysis and exploring potential solutions to navigate this evolving technological landscape. By bringing together perspectives from law, technology, and social sciences, this volume aims to provide a rich and nuanced understanding of this critical intersection. It serves as an indispensable resource for academics seeking cutting-edge research, legal professionals grappling with new ethical and practical dilemmas, policymakers shaping the future of governance, and anyone with a keen interest in the profound implications of AI on our legal frameworks and societal structures.

## ABOUT THE EDITORS



**Dr. Pradeep Kumar** is an Assistant Professor of Law at Banaras Hindu University (BHU), Varanasi. He completed his LL.B. and LL.M. degrees from BHU. He further qualified the UGC-NET and JRF, and earned his Ph.D. from Babasaheb Bhimrao Ambedkar University (BBAU), Lucknow. Dr. Kumar has successfully supervised four Ph.D. scholars and over 35 LL.M. dissertations. He has authored two books and published more than 45 research papers in peer-reviewed journals, including those indexed in UGC-CARE and Scopus. He has also presented extensively at national and international conferences. Currently, he serves as the Editor of the *Journal of Legal Studies*. His research interests include Personal Law (with a focus on Christian and Parsi Laws), Human Rights, Labour and Industrial Law, and Consumer Law.



**Dr. Gaurav Gupta** is an Assistant Professor of Law at Faculty of Law, Integral University, Lucknow. He has 11 years of teaching and research experience since the year 2014. Dr. Gupta earned his Doctoral Degree on Seditious Law from Bundelkhand University in September 2023 and his Master's Degree from the Babasaheb Bhimrao Ambedkar (A Central) University, Lucknow. He also qualifies for UGC-NET four times and qualifies for JRF also. He also completed an internship under Uttar Pradesh Human Rights Commission. He published eight research papers in UGC listed and other National-International referred journals. His seven papers were also published in edited books by reputed authors. Besides these publications, he also presented almost 12 research papers in National and International seminars. He attended various Conferences, Faculty Development Programs, and Research Methodology workshops sponsored by ICSSR or other institutions like UGC, ILI & MoHRD. He has several institutional memberships like; the All-India Law Teachers Congress, Indian Red Cross Society, Youth Hostel Association of India, International Human Rights Organization, and other various NGOs.



Price : Rs. 995.00  
\$ 45.00

**SATYAM LAW**  
INTERNATIONAL

Dr. Pradeep Kumar  
Dr. Gaurav Gupta

ARTIFICIAL INTELLIGENCE AND LAW

SATYAM LAW  
INTERNATIONAL

# ARTIFICIAL INTELLIGENCE AND LAW



## Editors

**Dr. Pradeep Kumar**  
**Dr. Gaurav Gupta**

**SATYAM LAW**  
INTERNATIONAL

# **ARTIFICIAL INTELLIGENCE AND LAW**

## **Editors**

**Dr. Pradeep Kumar**

**Dr. Gaurav Gupta**

**SATYAM LAW**  
**INTERNATIONAL**

© Dr. Pradeep Kumar, Dr. Gaurav Gupta 2025

All rights reserved. No part of this book may be reproduced, stored in an information retrieval system or transcribed in any form or by any means – electronic, digital, mechanical, photocopying, recording or otherwise – without the express written permission of the publisher and the holder of copyright. Although every care has been taken in publishing the book, the author, publisher, and printer shall not be responsible for any loss or damage caused to any person on account of errors or omissions which might have crept in. The publisher shall be obliged if mistakes are brought to their notice for carrying out corrections in the next edition. Submit all inquiries and requests to the publisher: SATYAM LAW INTERNATIONAL, NEW DELHI, INDIA.

ISBN: 978-81-19121-50-2

Published by : Satyam Law International, 2/13, Ansari Road,  
Daryaganj, New Delhi-110002, INDIA  
Tel : +91-11-40391920, 23242686, 23245698  
Email : satyambooks@hotmail.com, satyampub@hotmail.com  
Web : www.satyam-books.com

Printed in India

# Contents

<i>Preface</i> .....	v
<b>CHAPTER 1</b> An Introduction to the Artificial Intelligence and Law <i>Dr. Pooja, Dr. Jasdeep Singh</i> .....	1
<b>CHAPTER 2</b> Artificial Intelligence Contribution to Accomplishing the Sustainable Developments Goals <i>Dr. Vintee</i> .....	17
<b>CHAPTER 3</b> Evolving Landscape of AI Regulation: Global Trends and National Responses <i>Dr. Naveen S.</i> .....	26
<b>CHAPTER 4</b> Navigating AI Regulations: A Global Outlook with a Special Focus on India <i>Dr. Wasim Ahmad, Mohd. Tahir Husain</i> .....	65
<b>CHAPTER 5</b> Artificial Intelligence Governance in India and Across the Globe: Case of Some Ethical, Legal, and Social Challenges <i>Prof. Dr. Ajay Kumar, Ms. Sweta Kumari</i> .....	84
<b>CHAPTER 6</b> Accountability in the Age of DEEPFAKE: Legal and Ethical Challenges in AI Driven Manipulations <i>Advocate Sifa P. Inamdar</i> .....	110
<b>CHAPTER 7</b> Advancing the Sexual and Reproductive Health and Rights Through Artificial Intelligence <i>Dr. Dolly Singh, Dr. Gurwinder Singh</i> .....	136
<b>CHAPTER 8</b> Emerging uses of Artificial Intelligence: Opportunities and Challenges <i>Pro. (Dr.) Vandana A. Kumar, Mr. Harsh Kumar</i> .....	151
<b>CHAPTER 9</b> Revolutionizing Court Operations with AI: Addressing Intrinsic Challenges <i>Dr. Aparna Singh</i> .....	167

## CHAPTER 4

### **Navigating AI Regulations: *A Global Outlook with a Special Focus on India***

*Dr. Wasim Ahmad<sup>1</sup>  
Mohd. Tahir Husain<sup>2</sup>*

#### **Abstract**

*The rapid advancement of Artificial Intelligence (AI) has raised significant concerns regarding its ethical use, data privacy, and regulatory oversight. As AI becomes deeply integrated into various sectors, governments worldwide are formulating governance frameworks to ensure responsible and transparent AI deployment. This chapter explores the global landscape of AI regulations, highlighting key policies from leading economies such as the European Union, the United States, and China. It provides an in-depth analysis of India's evolving AI regulatory approach, with a special focus on the Digital Personal Data Protection (DPDP) Act, 2023 and its implications for AI governance. The chapter also examines crucial aspects such as data privacy, bias mitigation, accountability, transparency, and ethical AI deployment. It also delves into India's strategy in balancing innovation with regulation, comparing its stance with global best practices. Furthermore, the chapter also addresses challenges in AI governance, including enforcement gaps, the role of regulatory bodies, and potential future developments. By providing a comparative analysis of AI regulations, this chapter offers insights into how India can shape a robust and forward-looking AI policy framework while aligning with international standards.*

**Keywords** *Navigating, AI Regulations, Global Outlook, GDPR, DPDP*

---

<sup>1</sup> Assistant Professor, Faculty of Law, Integral University, Lucknow

<sup>2</sup> Assistant Professor, Department of Law, F. S. University, Shikohabad.

## Introduction

Artificial Intelligence (AI) has emerged as a transformative force, revolutionizing industries such as healthcare, finance, education, and governance. It replicates human intelligence in machines, enabling them to perform tasks like language comprehension, pattern recognition, decision-making, and problem-solving.<sup>3</sup> While AI promises efficiency and innovation, the governance of AI presents a unique challenge due to the technology's dynamic and evolving nature. In present time the rapid evolution of AI raises significant ethical, legal, and societal concerns, including data privacy, algorithmic bias, misinformation, job displacement, and autonomous decision-making,<sup>4</sup> which necessitate robust regulatory frameworks to ensure responsible AI development and deployment.

As AI becomes more deeply integrated into daily life, governments worldwide are striving to create frameworks that ensure its ethical and responsible use while fostering innovation. Countries worldwide are adopting AI governance models that balance innovation with accountability. Some nations have implemented stringent AI laws, while others follow a flexible, sector-specific approach. India, as a growing AI hub, is actively formulating its regulatory framework to address AI's challenges while fostering its economic potential.

AI regulation differs across regions, influenced by legal traditions, socio-economic priorities and technological advancement. The European Union's AI Act enforces strict compliance based on risk levels, ensuring transparency and accountability in high-risk applications. China mandates algorithm registration, emphasizing state control over AI in content moderation, data security, and surveillance. The United States of America adopts a decentralized, sector-specific model, with agencies like the Federal Trade Commission (FTC) and the National Institute of Standards and Technology (NIST) issuing AI guidelines. The AI Bill of Rights sets non-binding ethical principles, while states like California implement

---

3 "What Is Artificial Intelligence? Definition, Uses, and Types" *Coursera*, Dec. 19, 2024, available at: <https://www.coursera.org/articles/what-is-artificial-intelligence?msocid=165cfa12b6e869463f5ce95eb7ee681d> (last visited on Feb. 2, 2025)

4 Diya Saraswat, "Laws governing AI in India: Everything You Should Know", *Legal Upnishad*, available at: [https://legalupnishad.com/laws-governing-ai-in-india/#\\_google\\_vignette](https://legalupnishad.com/laws-governing-ai-in-india/#_google_vignette) (last visited on Feb. 2, 2025)