# NIRMA UNIVERSITY
## Institute of Law
## B.A.,LL.B (Hons.) and B.Com., LL.B (Hons.) Programmes
## Academic Year 2020-2021
## Institute Elective

| L | T | P | C |
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| Course Code: | 2IE2001 |
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| Course Title: | Artificial Intelligence and Law |

## Course Learning Outcomes (CLO):
At the end of the course, the students will be able to
1) Examine legal and philosophical concepts associated with AI
2) Identify how law is relevant to developments and applicability of AI
3) Analyze liabilities related to AI and evolving technologies
4) Evaluate the different techniques and technologies developed and related concerns
5) Determine different industrial aspects of AI that can be related to law.

**Syllabus:**                                                        **Teaching hours: 60**

**Unit. I    Introduction to artificial intelligence                12 hours**
- What Is Artificial Intelligence
- Concept Of Ownership, Personality And Rights, Duties
- Jurisprudential Aspects
- Legal Reasoning And AI
- Turin's Test And Where The Future Is Heading To

**Unit. II    AI and law synergy                                     12 hours**
- Platforms And Data On AI
- Leveraging AI To Identify Key Focus Areas
- Mapping Technological Capabilities
- Emerging Trends- IP Laws, Env Law, Data Protection And Privacy Etc.

**Unit. III    AI policies and initiatives                          12 hours**
- Principles Developed For Regulation (Holbrook v. Prodomax Automation Ltd, Nilsson v. General Motors LLC, Cruz v. Talmadge; negligence rule, strict liability, civil law rules in robotics, autonomy based responsibility)
- Regimes Developed Globally (China 8 general principles, European Commission HEG on AI ethical guidelines, US Liberal approach)
- AI For Administration, Policing
- Indian Scenario

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**Unit. IV** **Current and future techniques (research and technology aspect)**  **12 hours**
- Machine Learning
- Logical Rules And Knowledge Representation
- Hybrid Systems
- Current Capabilities And Limits

**Unit. V** **Ethics and governance of AI**  **12 hours**
- Cyber Security, Safety, Legal Issues
- National Strategy For Artificial Intelligence
- Concerns/Challenges
- Recent Developments

## Suggested Reading^:

- Ashley, Kevin, Artificial Intelligence and Legal Analytics: New Tools for Law Practice in the Digital Age (2017).
- Goodman, Bryce,& Flexman, Seth (2019). European Union regulations on algorithmic decision-making and a "right to explanation , *AI Magazine* 38(3).
- Gandhi, Milan (2017). Legal technology: Hype, heuristics and humanity, *Proctor*, 37(11) 32-33.
- Gowder, Paul (2017). Transformative legal technology and the rule of law, *University of Toronto Law Journal,* 68(Supp 1), 82-105.
- Mania, Karalina (2015). Online dispute resolution: The future of justice', *International Comparative Jurisprudence*, 1(1),76-86.
- Upadhyay, N.P., (2005). Artificial Intelligence and Intelligent System, *Oxford University Press*, Vol.3.
- Tene, Omer, & Polonetsky Jules (2017). Taming the Golem: Challenges of Ethical Algorithmic Decision-Making, *N.C. J. L. & TECH.* 19,125.

L=Lecture, T=Tutorial, P=Practical, C=Credit

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^ This is not an exhaustive list

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