

Course Code	Course Name	Credits
26PE508	Policy, Ethics and Governance of AI in Physical Education	04

Course Objectives

- Introduce the meaning, scope, and importance of ethics in AI-driven sports and Physical Education.
- Explain principles of transparency, accountability, and human-in-the-loop decision-making.
- Understand data privacy, protection laws, and ethical handling of athlete biometric data.
- Analyse issues of bias, fairness, and inclusion in AI-based sports systems.
- Evaluate governance frameworks and policies regulating AI in sports and education.
- Develop awareness of ethical challenges and integrity in the use of AI in sports.

Learning Outcomes

Upon successful completion of this course, it is intended that a student will be able to:

- Understand basic concepts of AI ethics and digital responsibility in sports.
- Apply ethical principles in handling sports data and AI-based systems.
- Analyse issues of bias, fairness, and inclusion in sports technology.
- Evaluate data privacy rights and protection mechanisms for athletes.
- Interpret governance policies of sports bodies related to AI use.
- Recognize ethical challenges and promote value-based practices in AI-enabled Physical Education.

Unit 1 - Introduction to AI Ethics in Sports: Meaning and Definition of Ethics in the Digital Era. The "Human-in-the-loop" concept. Need and Scope of Ethical Guidelines in Physical Education. Principles of Transparency and Accountability in AI decisions.

Unit 2 - Data Privacy and Security: Meaning and Functions of Data Protection Laws. Handling Biometric Data: Privacy of Heart Rate, GPS locations, and Medical History. Rights of the Student/Athlete regarding their digital records and "The Right to be Forgotten."

Unit 3 - Bias, Fairness, and Inclusion: Understanding Algorithmic Bias – how AI can discriminate based on Gender, Race, or Physical Ability. Fairness in Talent Identification (Scouting) and Automated Grading. Ensuring AI tools support Tribal and Rural student development.

Unit 4 - Governance and Policy Frameworks: National and International Policies on AI in Education and Sports. Role of Governing Bodies (IOC, FIFA, WADA) in regulating AI. Creating Department-level policies for technology use in schools and colleges.

Unit 5 - Future Challenges and Integrity: AI and the "Spirit of Sport." Digital Doping: Ethics of using AI for performance enhancement. Responsibilities of Physical Education teachers as "Data Stewards." Promoting Value-based education in the AI era.

Reference Books:

1. UNESCO (2021) – Recommendation on the Ethics of Artificial Intelligence.
2. Miah, A. (2017) – Sport 2.0: Transformations in Control, Health, and Experience. MIT Press.
3. Dash, B.N. (2003) – Principles of Education (to align ethical tech with traditional educational values).
4. Kamlesh, M.L. (2002) – Sociological Foundation of Physical Education. Metropolitan Book Co.
5. Floridi, L. (2023) – The Ethics of Artificial Intelligence: Principles, Challenges, and Opportunities.
6. Bhatia, K.K. & Narang, C.L. – Philosophical & Sociological Bases of Education (for the foundation of moral philosophy in pedagogy).