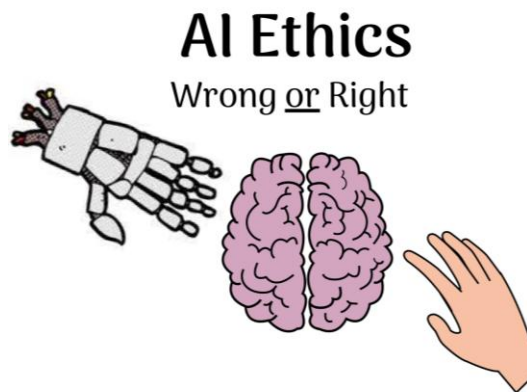


## WEEK 12 – Session 3

### Ethics in AI

#### What is AI Ethics ?

AI ethics is a set of guidelines that advise on the design and outcomes of artificial intelligence



The ethics of AI is important to engineers and scientists who have become enthusiastic about using this technology to solve engineering-related problems.

Ethics in AI ensures that the AI initiatives of the organization or entity maintain human dignity and do not in any way cause harm to people.

#### Importance of AI ethics

Some ethical frameworks can minimize AI risks and ensure a safe, fair, and human-centered AI. We will discuss some feature of Ethical AI that would tell us better than how they make AI systems more safe and fair:

**Social Well-being:** Ethical AI makes the system available for the individual, society, and the environment's sake. It will work for the benefit of mankind.

**Avoid Unfair Bias:** The AI system that is designed is ethically fair. It will not do any unfair discrimination against individuals or groups. It provides equitable access and treatment. It detects and reduces unfair biases based on race, gender, nationality, etc.

**Privacy and Security:** AI systems keep data security at the top. Ethical AI-designed systems provide proper data governance and model management systems. Privacy and preserving AI principles help to keep the data secure.

**Reliable and Safe:** The AI system works only for the intended purpose, thus reducing unknown mishappening chances.

**Transparency and Explainability:** Ethical system explains each prediction and output. It provides transparency for the logic of the model. Users get to know the contribution of data for the output. This disclosure justifies the output and builds trust.

Akira AI systems obey the principles of Explainable AI; therefore, it provides complete transparency and explainability of systems that build users' trust.

**Governable:** We are designing a system that works on intended tasks. It detects and avoids unintended consequences.

**Value Alignment:** Humans are making decisions by considering universal values. Ethical frameworks help to consider those universal values.

**Human-Centered:** Ethical AI system values human diversity, freedom, autonomy, and rights. It serves humans by respecting human values. The system is not performing any unfair and unjustified actions. It respects individual freedom and autonomy. Our systems are fair and protected. Our system respects the rights of individuals.