



# Ethical World of AI

# 6

## LEARNING OUTCOMES

At the end of the chapter, students will be able to:

- ▮ Understand ethics in general
- ▮ Compare and contrast Ethics and AI
- ▮ Summarise why do we need Ethics in AI?
- ▮ Understand the Ethical Question in AI
- ▮ Outline the leaps and bounce – ethics in AI

## CHAPTER NOTES

- ▮ Ethics is about understanding what is right and wrong, and how we should behave.
- ▮ AI ethics is a system of moral principles and techniques intended to inform the development and responsible use of artificial intelligence technology.
- ▮ The application of AI can help organisations operate more efficiently, produce cleaner products, reduce harmful environmental impacts, increase public safety, and improve human health.
- ▮ AI systems can perpetuate biases, invade privacy, and make decisions with far-reaching societal implications.
- ▮ The key ethical questions in AI are:
  - ❖ How can we ensure that AI systems are fair and treat everyone equally, without perpetuating discrimination?
  - ❖ How should AI systems handle the vast amounts of data they collect about individuals?
  - ❖ Who should be held responsible when AI makes a mistake or causes harm, the developers, the users, or the AI itself?
  - ❖ How can society address the economic and social implications of job displacement caused by AI?
  - ❖ How can we make AI systems more transparent so that their decision-making process can be understood and scrutinised?
  - ❖ What are the ethical implications of using AI in autonomous weapons systems?
  - ❖ How can we prevent the misuse of AI for social manipulation and disinformation campaigns?
  - ❖ As AI progresses, what are the potential long-term effects on society and humanity as a whole?
- ▮ The future of ethics in AI holds a complex landscape, as advancements in technology continue to raise new ethical challenges.