Genesis of Artificial Intelligence 3

LEARNING OUTCOMES
At the end of the chapter, students will be able to:
◗ Identify and related the history of Artificial Intelligence
◗ Explain – What is Artificial Intelligence?
◗ Summarise the AI – Timeline
◗ Analyse how does AI work?
◗ Explain why do we need AI?
◗ Compare and contrast between Artificial Intelligence vs. Human Intelligence
◗ Relate AI Around Us

CHAPTER NOTES
◗ The term artificial intelligence was coined in 1956 by John McCarthy.
◗ Artificial intelligence (AI), is a branch of computer science that focuses on building and managing technology that can learn to autonomously make decisions and carry out actions on behalf of a human being.
◗ AI requires a foundation of specialised hardware and software for writing and training machine learning algorithms.
◗ Reasons why we need AI are: Effective, helps in decision making, personalised, improved efficiency, etc.
◗ The purpose of human intelligence is to combine a range of cognitive activities in order to adapt to new circumstances. The goal of artificial intelligence (AI) is to create computers that are able to behave like humans and complete jobs that humans would normally do.
◗ There are numerous benefits when using AI daily like autonomous vehicles, digital assistants, food ordering, music and media streaming services, banking, eCommerce, navigation and travel, security and surveillance, IoT, medical applications, etc.