Relate You and AI in this World 2

LEARNING OUTCOMES
At the end of the chapter, students will be able to:
◗ Understand Human – Machine relationship
◗ Outline Artificial Intelligence and its applications
◗ Understand the concept of Smart Cities
◗ Relate Smart Cities
◗ Identify the roadblock to Smart Cities
◗ Identify Smart Homes in our neighbourhood
◗ Describe different Apps from around the world
◗ Describe different Apps from India

CHAPTER NOTES
◗ The coexistence of humans and machines is a dynamic and transformative relationship that shapes the modern world.
◗ Human expertise guides the development and ethical use of AI technologies, ensuring that they align with societal values and needs.
◗ Artificial intelligence (AI) is applied across a wide range of domains and industries, transforming the way tasks are performed, decisions are made, and solutions are created.
◗ AI powers virtual assistants, recommendation systems, and autonomous vehicles, showcasing its transformative impact on enhancing efficiency, accuracy, and decision-making across industries.
◗ A smart city integrates digital technologies to enhance performance and well-being, optimise resource utilisation, and reduce costs and inefficiencies in urban areas.
◗ Establishing smart cities poses challenges such as integrating complex technologies, ensuring data privacy, and addressing socioeconomic disparities to create inclusive and sustainable urban environments.
◗ A smart home utilises interconnected devices and automation to enhance convenience, security, and energy efficiency within a household.
◗ AI-enabled apps are utilised for tasks ranging from language translation and image recognition to virtual personal assistants, exemplifying the diverse ways AI enhances everyday activities.
◗ In India, AI-enabled apps are being employed for agricultural predictions, healthcare diagnostics, language translation, and financial services, contributing to innovative solutions addressing various societal needs.