

Subject Code	Subject Name	Credits
26CS906	AI in Everyday Life	04

Course Objectives

1. To introduce the basic concepts and significance of Artificial Intelligence in daily life
2. To understand key AI technologies such as Machine Learning, NLP, and Computer Vision
3. To explore real-world applications of AI in areas like healthcare, education, and business
4. To analyze the impact of AI on society, economy, and employment

Learning Outcomes

1. Explain fundamental concepts and types of Artificial Intelligence
2. Identify and describe common AI technologies and tools
3. Analyze how AI is used in everyday applications such as smartphones and social media
4. Evaluate the benefits and challenges of AI in various sectors

Unit 1 - Introduction to Artificial Intelligence (12 Hrs.)

Meaning and Definition of AI ,History and Evolution of AI ,Types of AI (Narrow AI, General AI) ,AI vs Human Intelligence ,Applications of AI in Daily Life.

Unit 2 – AI Technologies and Concepts (12 Hrs.)

What is Machine Learning, Types of Machine Learning (Supervised and Unsupervised), Introduction to Deep Learning (simple idea of neural networks), Natural Language Processing, Computer Vision, Speech Recognition.

Unit 3 – AI Applications in Everyday Life (12 Hrs.)

AI in Smartphones (Virtual Assistants like Google Assistant, Siri), AI in Social Media (Recommendation Systems in Instagram, YouTube),AI in E-commerce (Personalized Shopping in Amazon),AI in Navigation (Maps like Google Maps), AI in Entertainment (Streaming platforms like Netflix)

Unit 4 - AI in Business and Society (12 Hrs.)

AI in Healthcare (Diagnosis, Medical Imaging) , AI in Education (Smart Learning Systems) , AI in Banking and Finance (Fraud Detection),AI in Transportation (Self-driving Cars) ,AI in Smart Homes (IoT and Automation).

Unit 5 – Ethical and Social Issues in AI (12 Hrs.)

Privacy and Data Security, Bias and Fairness in AI, Job Displacement and Automation, AI Governance and Regulations, Future of AI in Society

References:

1. “Artificial Intelligence: A Modern Approach” by Stuart Russell and Peter Norvig
2. “AI Basics: A Non-Technical Introduction” by Tom Taulli
3. “Life 3.0: Being Human in the Age of Artificial Intelligence” by Max Tegmark

