

CT-262 INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Introduction: Introduction to Artificial Intelligence (AI), Branches of Artificial Intelligence (AI), Development stages of Intelligent machines, searching techniques.

Machine Learning: Introduction to Machine Learning. Training and test data, object features, object detection.

Knowledge Representation: Knowledge and its components, levels and type of knowledge, Knowledge representation techniques, Frame, Scripts, and Semantic Networks, Implementation of knowledge representation.

PROLOG Expert System: Fundamental of Expert System, Component of Expert System, Development cycle of Expert, Design stages and Pro-type of Expert system.

Natural Language Processing: Basic text processing, information Extracting, Natural Language understanding Problems, Natural language understanding techniques.

Applications: Game playing-Heuristic Search Algorithm and Turing Test