

- ✓ Problem-solving : Solving Problems by Searching, Beyond Classical Search, Adversarial Search, Constraint Satisfaction Problems
- ✓ Knowledge, reasoning, and planning: Logical Agents, First-Order Logic ,Classical Planning, Planning and Acting in the Real World
- ✓ Learning: Forms of Learning, Supervised Learning, Learning Decision Trees, The Theory of Learning, Artificial Neural Networks ANN, Practical Machine Learning
- ✓ Uncertain knowledge and reasoning: Quantifying Uncertainty, Probabilistic Reasoning,
- ✓ Probabilistic Reasoning over Time, Making Decisions, Knowledge in Learning, Explanation-Based Learning, Learning Using Relevance Information, Inductive Logic Programming

