

## CA548 INTRODUCTION TO AI

**Aim:** First course introducing the principles of AI.

**Course Content:**

General introduction of AI, Intelligent systems, etc., Applications, Search techniques, Constraint satisfaction problems, Logic, modus ponens, Satisfiability, Resolution, Refutation, Unification. AI-planning, Uncertainty in AI, Case Studies of Applications.

**Books:**

1. N.J.Nilson: Principles of Artificial Intelligence, Narosa Publications.
2. D. W. Patterson: Introduction to AI & Expert System, PHI.
3. S. Russell and P. Norvig. AI: A Modern Approach, 2<sup>nd</sup> Edn., McGraw-Hill, 2003.