

Especially Designed for students

Introduction To Artificial Intelligence

This book contains the detailed information and clear cut clarities on the concepts(Those concepts which was followed by colleges in India) in the concept of "Introduction To Artificial Intelligence".



Book Details

Please read these things before purchasing the book.

1.This book is not for Experts

2.This book is designed for students who are the absolute beginners to the specialization for this course "Introduction to Artificial Intelligence"

3.Hence this book is named as an "Introduction to Artificial Intelligence"

4.This book helps a lot to a student who are preparing for their "COLLEGE" Examinations.

5.But this book is not useful for "Competitive Exams".

6.But this book is going to be best in the concept clarification for students.

7.This Book is also going to be best for students for preparing " Notes" .

Objective and Scope

- To present the concepts in detailed manner
- Only Important Concepts are described in detail so students can prepare for their exams with tension free
- No extra matter is presented. My main opinion on creating this book is to make students tension free for their exams. So that I referee so many books, websites, and YouTube lectures.
- To present this book for low cost

CONTENTS PRESENT IN THIS BOOK

Introduction To Artificial Intelligence

1.History of AI

2.What is meant by AI

3.Types of AI

4.Hardware that are used in AI

5.Requirements of AI

6.Techniques that are used in AI

7.Advantages & Disadvantages

8.Examples of AI

9.Applications of AI

- 10.what is meant by Environments
- 11.what are the types of Environments
- 12.properties & characteristics of an Environment
- 13.Agents
- 14.Types of Agents

Un Informed Search strategies

- 1.Breadth First Search
- 2.Depth first search
- 3.Depth Limited search
- 4.Iterative Depth Limited search
- 5.Uniform Cost search
- 6.Bi directional search

Informed search Strategies

- 1.Heuristic techniques
- 2.Heuristic Functions
- 3.pure Heuristic search
- 4.Best first search
- 5.A* search
- 6.AO* search
- 7.Min-Max
- 8.Alpha-Beta Pruning
- 9.Generate and test algorithms
- 10.Hill climbing algorithms
- 11.Csp
- 12.Crypt Arithmetic Problem
- 13.N-Queen

Logic Representation & Reasoning

1. propositions and propositional Logic
2. predicate Logic
3. Knowledge Representation
4. Knowledge based System
5. Inference Engine
6. Forward chaining
7. Back ward chaining
8. Inference rules in propositional Logic
9. Inference rules in predicate logic
10. Resolution in predicate logic

Planning in AI and Reasoning

1. planning
2. Types of Planning
3. total order planning
4. partial order planning
5. Heirarchical planning
6. Conditional planning
7. fuzzy Logic
8. Mathematical Reasoning in AI