

As Per The Latest Syllabus Of Anna University, Chennai. (Regulation - 2013)

ARTIFICIAL INTELLIGENCE

For B.E / B.Tech VI SEMESTER CSE / IT BRANCHES

NEW REVISED EDITION

With Latest
Solved
Anna university
Question Papers

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PREFACE

This book "Artificial Intelligence" is about an introductory idea on machines used in real world trained with Intelligence. It emphasizes the psychological, social and philosophical implications of AI and utilizing them in Production Systems. It gives an ideology towards expert system, machine learning and identify the problem with procedural method by applying intelligence resolution. It provides an idea for readers toward understanding of creating Intelligent machines to increase human decision making process and first step towards how an intelligent machine is built.

- Unit I** : Introduction towards Artificial Intelligence along with identifying agents, environments, problem, solving methods, constraint satisfaction and Production System was taken as example to provide many solutions and evaluating the best among them.
- Unit II** : Preliminary level representation of real world data as knowledge and based on knowledge each instance in compared along with predicate logic applying on games.
- Unit III** : Advanced level representation of constructing logic with knowledge for production and frame based along with inference over knowledge of preliminary level through Chaining, Rule Value, Fuzzy, Certainty factors, Baysiean and Dempster-Shafer.
- Unit IV** : Plan generation systems with examples of STRIPS as planning language to implement and different types of planning exist in real world and parameters taken before designing a plan. Different learning methods exist in real world, how machine are instructed through knowledge and adaptive learning methods adopted to improve effective education system.
- Unit V** : Introductory ideology towards expert system design, knowledge, users and provided with case study of MYCIN, DART, XOON, XCON, Expert System shell.


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