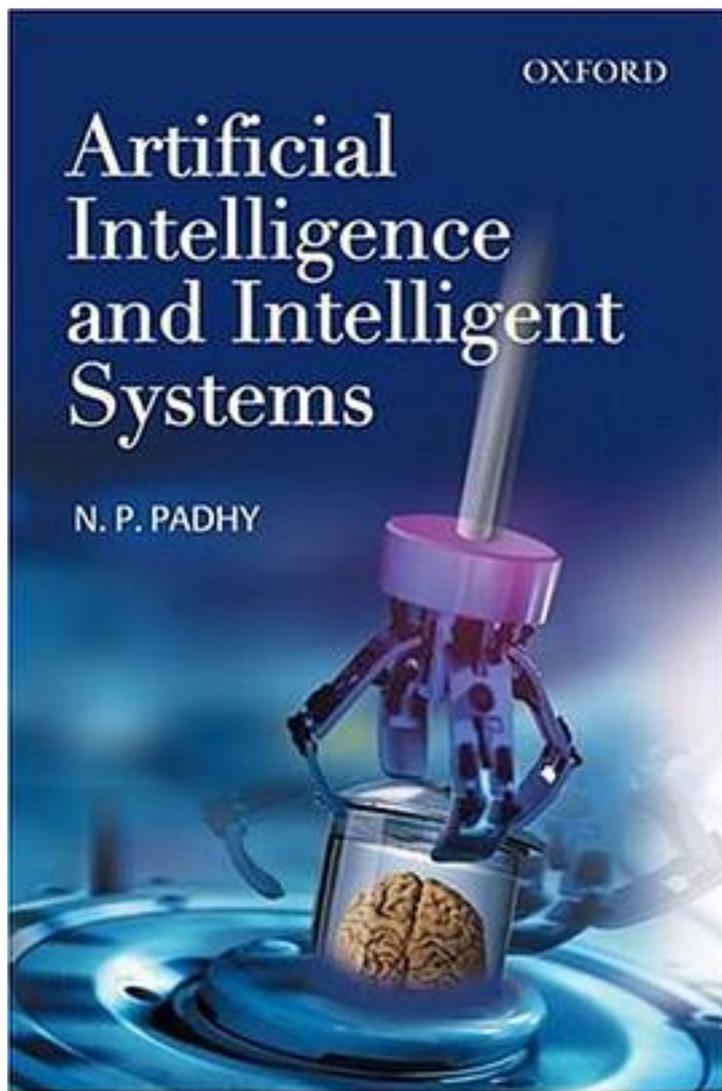


Artificial Intelligence and Intelligent Systems



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Artificial Intelligence and Intelligent Systems provides a comprehensive coverage of the fundamental concepts and techniques in artificial intelligence. The book discusses current trends in AI and its application to various fields. Intelligent systems such as expert systems, fuzzy systems, artificial neural networks, genetic algorithms, and swarm intelligent systems are discussed in detail with examples to facilitate in-depth understanding of AI. The text emphasizes the solution of real-world problems using the latest AI techniques. Since the ultimate goal of AI is the construction of programs to solve problems, an entire chapter has been devoted to the programming languages used in AI problem solving. Written in a clear and lucid style, this student-friendly book has been specially designed for undergraduate engineering students. With its application oriented approach and inclusion of recent topics, the book would also be useful to postgraduate students and researchers in this field. Features BL Includes real-world examples to illustrate concepts BL Contains a separate chapter on programming languages in AI BL Includes new topics such as swarm intelligent systems BL Explains genetic algorithms and swarm intelligence using examples BL Provides numerous illustrations, examples, and end-chapter exercises

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