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Artificial Intelligence and Emerging Technologies

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Call for Chapters
Artificial Intelligence and Emerging Technologies

Aim & Scope

Artificial intelligence is the simulation of human intelligence processes by machines, especially computer systems. Specific applications of AI include expert systems, natural language processing, speech recognition and machine vision. In general, AI systems work by ingesting large amounts of labelled training data, analyzing the data for correlations and patterns, and using these patterns to make predictions about future states. In this way, a chatbot that is fed examples of text chats can learn to produce lifelike exchanges with people, or an image recognition tool can learn to identify and describe objects in images by reviewing millions of examples. AI programming focuses on three cognitive skills: learning, reasoning and self-correction.

The scope of Artificial Intelligence in India is still in the adoption stage but slowly it is being used to find smart solutions to modern problems in almost all the major sectors such as Agriculture, Healthcare, Education and Infrastructure, Transport, Cyber Security, Banking, Manufacturing, business, Hospitality, Entertainment. Artificial Intelligence is a classic example of disruptive technology, as it has affected on we go on about doing our daily work.Another aspect that has helped in understanding and adapting AI is the online education mode. Online learning has become a huge part of our education ecosystem; especially after the pandemic. Aspirants who are looking to pursue an Artificial Intelligence course & Certification can read this article. By going through this book candidates will get an idea about the scope of Artificial Intelligence in India.

Chapter Highlights

Acting humanly: The Turing test approach

Intelligent Agents

Solving Problems by Searching

Search in Complex Environments

Adversarial Search and Games

Constraint Satisfaction Problems

Knowledge, reasoning, and planning

First-Order Logic

Knowledge Representation

Automated Planning

Uncertain knowledge and reasoning

Multiagent Decision Making

Author Benefits

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