



APPLICATIONS OF
**BLOCKCHAIN
TECHNOLOGY**

Editors

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APPLICATIONS OF BLOCKCHAIN TECHNOLOGY

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PREFACE

This book, **Applications of Blockchain Technology**, discusses how blockchain technology is transforming the future of money, transactions, government, and business. The world is changing quickly these days, and a transition flow can be seen in Business Process Management (BPM). Traditional Business Process Management has been in place for one to two decades, but internal workflow is limited to a single organisation. They do not manage information and the workflow process across organisations. If they do, they will fall into the same trap as control is transferred to a third party, which is a centralised server, resulting in data tampering and a single point of failure. This book addresses these issues by highlighting a number of unique problems and effective solutions that reflect the state-of-the-art in blockchain technology. This book investigates new experiments and yields promising solutions to blockchain technology's current challenges.

The edited book's goal is to present a detailed examination of the adaptation and implementation of blockchain technologies in real-world business applications. Blockchain is gaining traction in all industries that conduct massive daily transactions. This book covers all aspects of blockchain with a complete 360-degree view spectrum, and it can be used by computer science postgraduate students, researchers, and practitioners at the basic and intermediate levels. This book addresses research work in many fields of blockchain engineering and provides in-depth knowledge of the topics covered. It demonstrates the rapid advancements made in the existing business model through the use of blockchain techniques.

Chapter 1: Blockchain for Decentralised Rural Development and Governance

Chapter 2: A Study on Security and Privacy of Blockchain

Chapter 3: Evolution of Block Chain Technology

Chapter 4: Blockchain Applications

Chapter 5: An Overview of Blockchain Technology

Chapter 6: Hash Functions in Blockchain Technology

Chapter 7: Elements of Blockchain: A Comprehensive Overview

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