Blockchain Enabled Secure Big Data Computing for Smart Cities Using Internet of Things

$230.00

Ashok Kumar, PhD – Professor, Department of EEE, PSG College of Technology, Coimbatore, India

D. Karthika Renuka, PhD – Professor, Department of IT, PSG College of Technology, Coimbatore, India

V. Chandrasekar, PhD – University Distinguished Professor, Associate Dean for International Research, Colorado State University, USA

Sonali Agarwal – Associate Professor, Department of IT, Indian Institute of Information Technology, Allahabad, India

Smart cities are one of the focus areas of many governments across the globe. Many countries have created strategies for transforming their cities into smart cities in order to fully utilise the potential opportunities arising from urbanisation. Smart cities enable operational efficiencies, maximise environmental sustainability efforts and create new citizen services. Over the last few years, the growing big data and blockchain technology has made it feasible to associate complex things with the internet. It has led to a digital disturbance by alternating the way the technology is being utilized. With the extensive utilization of IoT technology, new security and privacy mechanisms must be addressed. The government defined the features of a smart city, many of which can potentially be implemented on a blockchain for enhanced security, immutability, resilience and transparency. This book focuses on providing a broad understanding of the current urban challenges being tackled through smart cities. The proliferation of big data and the rapid growth of the Internet of Things (IoT) have significantly contributed to the emergence and feasibility of numerous smart-city initiatives. This book provides the fundamental framework, research insights, and empirical evidence in the efficacy of these new technologies, employing practical and academic approaches to help professionals and academics reach innovative solutions and grow competitive strengths.

Binding

Hardcover

Clear

Publication Date: January 5, 2024

Status: AV

Page Count: 361 Pages

1

Add to cart

Add to Wishlist

ISBN: 979-8-89113-243-6

0