

Christophe Gaie · Mayuri Mehta
Editors

Recent Advances in Data and Algorithms for e-Government

Contents

1	Conceptual Model and Data Algorithm for Modernization of e-Governance Towards Sustainable e-Government Services	1
	D. Vimala, S. Vasantha, and A. Shanmathi	
2	e-School Initiatives that Instigated Digital Transformation in Education: A Case Study According to SABER-ICT Framework	23
	Tahani I. Aldosemani	
3	New Architecture to Facilitate the Expansion of e-Government	55
	Shreekanth M. Prabhu and M. Raja	
4	Struggling Against Tax Fraud, a Holistic Approach Using Artificial Intelligence	87
	Christophe Gaie	
5	e-Government and Green IT: The Intersection Point	103
	Rodrigo Franklin Frogeri, Wendell Fioravante da Silva Diniz, Pedro dos Santos Portugal Júnior, and Fabrício Pelloso Piurcosky	
6	Machine Learning Technique for Predicting the Rural Citizens' Trust on Using e-Governance Health Care Applications During COVID-19	127
	M. Bhuvana, A. Ramkumar, and B. Neeraja	
7	Artificial Intelligence (AI) Use for e-Governance in Agriculture: Exploring the Bioeconomy Landscape	141
	Dimitris C. Gkikas, Prokopis K. Theodoridis, and Marios C. Gkikas	
8	Enhancing Government Actions Against Covid-19 Using Computer Science	173
	Christophe Gaie and Markus Mueck	

9	From Paper to Digital: e-Government's Evolution and Pitfalls in Brazil	193
	Fabrcio Ramos Neves and Polyana Batista da Silva	
10	The Role of Public Libraries in Improving Public Literacy Through Twitter Social Media in Indonesia	213
	Muslimin Machmud, Andi Ernie Zaenab Musa, Budi Suprpto, and Salahudin	