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Big Data Analytics in Cognitive Social Media and Literary Texts

Theory and Praxis

Editors: Sanjiv Sharma, Valiur Rahaman, G. R. Sinha

Highlights recent research on cognitive social media and big data analytics

Presents transdisciplinary research on big data analytics

Provides a comprehensive overview of the theory and praxis of big data analytics

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About this book

This book provides a comprehensive overview of the theory and praxis of Big Data Analytics and how these are used to extract cognition-related information from social media and literary texts. It presents analytics that transcends the borders of discipline-specific academic research and focuses on knowledge extraction, prediction, and decision-making in the context of individual, social, and national development. The content is divided into three main sections: the first of which discusses various approaches associated with Big Data Analytics, while the second addresses the security and privacy of big data in social media, and the last focuses on the literary text as the literary data in Big Data Analytics. Sharing valuable insights into the etiology behind human cognition and its reflection in social media and literary texts, the book benefits all those interested in analytics that can be applied to literature, history, philosophy, linguistics, literary theory, media & communication studies and computational/digital humanities.

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Keywords

Big Data Analytics | Cognitive Social Media | Literary Theory | Digital Humanities | Social Network Analysis | Machine Learning

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He has guided two (02) Ph.D. scholars, 22 M. Tech. scholars, and currently supervising four (04) Ph.D. scholars in various eminent universities of India. His research interest includes data mining, social network analysis, big data analytics, network security, and outcome-based education (OBE).He has patents in his credit. He also carried over numerous administrative responsibilities in the institutions. He engages himself as reviewer, editor, authors, and session chair in various reputed journals and conferences.

Valiur Rahaman (MA, UGC-NET, Ph.D.) is Assistant Professor of English in the Department of Humanities, Madhav Institute of Technology & Science, Gwalior, India. He received ICSSR Postdoctoral Fellow in 2013, research project "Cognitive Literary Studies for the Progress of Cognitive Computational Studies" (2019) under AICTE-CRS, and received TEQIP-III grants for professional developments, travel, and hospitality during 2019-20. Before joining Madhav Institute of Technology and Science Gwalior (INDIA), he served as Assistant Professor of English at Central University of Rajasthan, Ajmer (India). His research areas include literary theory & criticism, cognitive literary & film analysis, humanities inspired technology, human communication & social media, and digital humanities. He engages himself as transdisciplinary research expert in intersectional studies in the world literature with technology and cognitive science.

His books include Astitvrasa: Aesthetics of Interrogation (India 2017), Acts of Literary Theory (India 2017), Introducing Digital Humanities (India 2011), and Liminality, Mimicry, Hybridity and Ambivalent in Literary Speculations of Homi K. Bhabha (Germany 2010). He published research papers both in UGC enlisted journals and edited books published by Academic Press, Elsevier, Springer, CRC, and IGI. He has delivered more than 60 expert lectures at various institutes of higher education in India and North Carolina, USA. He developed the 5 modules based on four-quadrant contents of MHRD funded ePGPathsala (English, Literary Criticism), published by Inflibnet and MHRD, Govt. of India. Currently, he is working as Principal Investigator of research project under Collaborative Research Scheme of TEQIP-III titled "Cognitive Literary Studies for the Progress of Computational Cognitive Modeling: A Humanities Inspired Approach to Technological Advances". Based on his research findings and teaching experiences, he established humanities inspired technology for society lab.

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He is Recipient of many awards and recognitions like TCS Award 2014 for outstanding contributions in Campus Commune of TCS, Rajaram Bapu Patil ISTE National Award 2013 for Promising Teacher in Technical Education by ISTE New Delhi, Emerging Chhattisgarh Award 2013, Engineer of the Year Award 2011, Young Engineer Award 2008, Young Scientist Award 2005, IEI Expert Engineer Award 2007, ISCA Young Scientist Award 2006 Nomination, and Deshbandhu Merit Scholarship for 05 years. He is Senior Member of IEEE, Fellow of Institute of Engineers, India, and Fellow of IETE, India. He has delivered more than 50 keynote/invited talks and chaired many technical sessions in international conferences across the world such as Singapore, Myanmar, Sri Lanka, and India. His special session on "Deep Learning in Biometrics" was included in IEEE International Conference on Image Processing 2017. He is also Member of many National Professional bodies like ISTE, CSI, ISCA, and IEI. He is member of various committees of the University and has been Vice President of Computer Society of

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