

Department of Computer Engineering - Book Chapter

Sr. No.	Name of Book Chapter	Authors	Publisher Details	Date of Publish
Department of Computer Engineering				
1	Blockchain-Based Security for Super-peer Wireless Sensor Networks	Puja Padiya	Springer	Jun-20
2	Reference Model Storage Covert Channel for Secure Communications	Dr. Dhanajay Dakhane, Dr. Vaibhav Narwade	Springer	May-20
3	Estimation of Bone Mineral Density Using Machine Learning Approach	Dr. Bharti Joshi, Prof. Leena Ragma, Navdeep Yadav, Dr. Shivangi Agarwal	Springer	May-20
4	Improved Feature Matching Approach for Detecting Copy-Move Forgery and Localization of Digital Images	Vanita Mane	Springer Nature Singapore	Feb-20
5	Image Description Generation using Deep Learning	Bharti Joshi , et.al.	Springer	Jan-20
6	Survey of Big Data Warehousing Techniques	Rajashree Shedge, Bharti Joshi	Springer	Jan-20
7	Analyzing Different Multiparty Computation Techniques	Tushar Ghorapade	Springer	Jan-20
8	Inventive Communication and Computational Technologies	Jatin Gharat, Amarsinh Vidhate, Amit Barve	Springer Singapore	Jan-20
9	Survey on Sketch Based Image and Data Retrieval	Dr. Narawade Vaibhav E.	Springer	Aug-19
10	A survey of various cryptographic techniques: From Traditional cryptography to Fully Homomorphic Encryption	Rashmi Dhumal	Springer	Jun-19
11	Big Data Summarization using modified fuzzy clustering algorithm, Semantic feature and Data Compression	Shilpa Kolte	CRC press	May-19
12	Security Aspects in Cloud Computing	Tabassum M.	IGI Global Publication	Jan-17
13	A Novel Methodology to filter out unwanted messages from OSN Users wall using Trust Value Calculations	Tushar Ghorpade, Vimla Jethani	Springer	Jan-16
Department of Information Technology				

14	Melanoma Detection Using HSV with SVM Classifier and De-duplication Technique to Increase Efficiency. In: Chaubey N., Parikh S., Amin K. (eds) Computing Science, Communication and Security. COMS2 2020. Communications in Computer and Information Science, vol 1235. Springer, Singapore	Patil M., Dongre N.	Springer	19-07-2020
15	Inventive Communication and Computational Technologies, Title: "Survey of Different Countermeasure on Network Layer Attack in Wireless Network", pp 61-70, DOI: 10.1007/978-981-15-0146-3_7 Print ISBN 978-981-15-0145-6	Amruta Chavan ,Dipti Jadhav, Nilesh Marathe, Nilima Dongre	Springer	30-01-2020
16	Advances in Intelligent Systems and Computing, Computing in Engineering and Technology, ISBN 978-981-329-515-5 DOI: 10.1007/978-981-32-9515-5	Kshipra Tatkare, Dr. Manoj Devare	Springer	10-01-2020
17	Intelligent Communication Technologies and Virtual Mobile Networks, Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT, volume 33) . DOI: 10.1007/978-3-030-28364-3, Softcover ISBN: 978-3-030-28363-6, Title: "RTMDC for Effective Cloud Data Security", Pages 64-73	Nilima Dongre,Pankaj Verma, Vijaylaxmi Bittal	Springer International Publishing	20-01-2020
18	Intelligent Data Communication Technologies and Internet of Things, ISBN-13: 978-3030340797, ISBN-10: 3030340791 , Title: " Biometric Authentication In Cloud", pp.245-254;	Nilima Dongre, Kshitij Pimpale	Springer	01-01-2020
19	Innovative Teaching Practices for 4G Students	Dr. Ashish Jadhav	IOR International Press	01-08-2019
20	Handbook on Big Data Clustering and Machine Learning, ISBN13: 9781799801061 An Overview of Methodologies and Challenges in Sentiment Analysis on Social Networks DOI: 10.4018/978-1-7998-0106-1.ch010	Aditya Salunke and Pallavi Chavan	IGI Global	11-01-2019
21	Computing, Communication and Signal Processing, DOI: 10.1007/978-981-13-1513-8, ISBN: 978-981-13-1512-1, "Public Auditing for Shared Data in Cloud Storage with an Effective User Dismissal", : Pages 97-104	Nilima Dongre, Samundiswary S	Springer Singapore	24-01-2018

Department of Electronics Engineering				
22	Advances in Telemedicine for Health Monitoring technologies, design and application.	Gajanan Birajdar, Vishwesh Vyawahare, Smitha Raveendran, Pooja Patil	IET, UK	Jul-20
23	Enhanced Brain Tumor Detection Using Fractional Wavelet Transform and Artificial Neural Network	Bhakti Kaushal, Mukesh D. Patil, Gajanan K. Birajdar	Elsevier	Mar-20
24	Fractional Calculus and Fractional Differential Equations	Pratik Kadam, Gaurav datkhile, Vishwesh Vyawahare	Birkhäuser, Singapore	Dec-19
25	Cryptographic and Information Security Approaches for Images and Videos	Gajanan Birajdar, Vishwesh Vyawahare, Mukesh Patil	CRC Press, Taylor and Francis Group	Dec-18
26	Current Trends in Fractional Calculus and Fractional Differential Equations.	Vishwesh Vyawahare, Pratik Kadam, Gaurav Datkhile	Springer Nature Singapore	Sep-18
27	Fractional Order Systems: Optimization, Control, Circuit Realizations and Applications.	Vishwesh Vyawahare, Ujjwala Thakar, Vrunda Joshi, Utkal Mehta	Elsevier	Aug-18
28	Design and Comparison of Electromagnetically coupled patch antenna array at 30 GHz	Sujata Mengudale	Springer	Dec-17
29	GPU Computing of special mathematical functions used in fractional calculus	Mr. Navin S., Chaitanya Jage, Dr. V. A. Vyawahare, Dr. M. D. Patil, Dr. P.S. V. Natraj	Bentham Science Publishers	Oct-16
30	Analysis of Model Predictive Control for Fractional-order System.	Dr. Vishwesh Vyawahare	Publisher: Springer-Verlag,	Mar-16
31	Analysis of Fractional-order Point Reactor Kinetics Model with Adiabatic Temperature Feedback for Nuclear Reactor with Subdiffusive Neutron Transport.	Dr. Vishwesh Vyawahare	Publisher: Springer-Verlag,	Mar-16
32	Development and Analysis of Fractional-order Nordheim-Fuchs Model for Nuclear Reactor	Dr. Vishwesh Vyawahare	Narosa Publishing, India.	Aug-14
33	Introduction to Linear Fractional-order Systems	Dr. Vishwesh Vyawahare	Narosa Publishing, India.	Aug-14

Department of Electronics and Telecommunication Engineering				
34	Resolving Unfairness Issues in Cognitive Radio Networks with Collision Based Primary Users	Chaitali Chaudhari, Hemlata Patil, Sujata Kadam	Springer Link	22-01-2020
35	Secure and Robust ECG Steganography using Fractional Fourier Transform	Gajanan K. Birajdar, Vishwesh A. Vyawahare and Mukesh D. Patil	Cryptographic and Information Security Approaches for Images and Videos”, CRC Press, Taylor and Francis Group	07-12-2018
36	GPU Computing of Special Mathematical Functions used in Fractional Calculus	Parag Patil, Navin Singhania, Chaitanya Jage, Vishwesh A. Vyawahare, Mukesh D. Patil and P. S. V. Nataraj	Frontiers in Fractional Calculus, Pages 199-232, Volume-I, Springer	19-03-2018
37	Modelling for Spectral Domain Optical Coherence Tomography (SD-OCT) System	Choudhari S., Patil M. D., Makkar R.	Advances in Optical Science and Engineering. Springer Proceedings in Physics, vol 194. Springer, Singapore.	23-09-2017

38	Analysis of Model Predictive Control for Fractional-order System	Mandar M. Joshi, Vishwesh A. Vyawahare and Mukesh D. Patil	Advances in Intelligent Systems and Computing" (AISC) Series, published by Springer-Verlag	15-01-2016
39	Reliable and Robust Automated Synthesis of QFT Controller for Nonlinear Magnetic Levitation System Using Interval Constraint Satisfaction Techniques	P.S.V. Nataraj and Mukesh D. Patil	Constraint Programming and Decision Making, Springer International Publishing, Volume 539, pages 131-135	15-01-2014
Department of Instrumentation Engineering				
40	Optimization of DC motor speed control using LQR technique, Lecture Notes in Electrical Engineering	Jyotshna Bharti, Gargi Phadke, Diptee Patil	Springer	10-06-2020
41	Strawberry Leaf Diseases Detection and Suggestion for Pesticides Using Artificial Neural Network	Shamal Salunkhe, Gargi Phadke, Sheetal Kadam and Aashish Kadu	Springer	14-03-2020
42	Automated Heart Rate Measurement Using Wavelet Analysis of Face Video Sequences	Amruta V. More, Asmita Wakankar and Jayanand P. Gawande	Springer	13-01-2019
43	Heart Sound Signal Analysis and Its Implementation in VHDL	Anjali S. Patil, Jayanand P. Gawande and Ajinkya Bankar	Springer	13-01-2019
Department of Engineering Sciences				
44	Computing in Engineering and Technology. Advances in Intelligent Systems and Computing, vol. 1025	Approximating the Bounds for Number of Partially Ordered Sets with n Labeled Elements	N. R. Dasre and Pritam Gujarathi	Springer Nature Singapore Pte Ltd.

45	Pathology, Prevention and Therapeutics of Neurodegenerative Disease	Recent Advances in the Antioxidant Therapies for Alzheimer's Disease: Emphasis on Natural Antioxidants	Namrata Singh	Springer Nature Publications
46	New Trends in Supramolecular Chemistry	Design and Reactivity of Alpha Nucleophiles: Relevance to Decontamination under Mild Conditions	Namrata Singh	East Publisher House: Donetsk, Ukraine