



JSPM's
Rajarshi Shahu College of Engineering, Tathwade Pune-33
(An Autonomous Institute Affiliated to Savitribai Phule Pune University, Pune)
Department of Computer Engineering



Summary of Book Chapter Publications

Sr. No.	Year	Scopus Indexing	Others	Total
1.	2024-25	14	0	14
2.	2023-24	11	1	12
3.	2022-23	8	0	8
4,	2021-22	6	5	11

Details of Books / Book Chapter Publications

Details of Book Chapter Publications

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
2024-25						
1	Dr. Rushali A. Deshmukh	Detecting Parkinson's Disease Early: A Study of Spiral Handwriting Utilizing Pre-trained CNN Models	Artificial Intelligence: Theory and Applications	978-981-96-1917-7	https://link.springer.com/chapter/10.1007/978-981-96-1918-4_20	Scopus
2	Dr. Rushali A. Deshmukh	Self-error Solving Linux Distribution—Metamorph OS	Information Systems for Intelligent Systems	978-981-96-1743-2	https://link.springer.com/chapter/10.1007/978-981-96-1744-9_48	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
3	Dr. Prema B. Sahane	A Crevice-Oriented Strategy for Surface Crack Identification	Information Systems for Business Management	978-981-96-1743-2	https://link.springer.com/chapter/10.1007/978-981-96-1744-9_6	Scopus
4	Dr. Prema B. Sahane	Smart Campus Solutions: Leveraging AI-ML Technologies for Integrated Campus Management Platform	Information Systems for Business Management	978-981-96-1743-3	https://link.springer.com/chapter/10.1007/978-981-96-1744-9_7	Scopus
5	Dr. Prema B. Sahane	AutoTrack: Enhancing the Vehicle Experience and Revolutionizing History Tracking for Improved Performance	Innovations and Advances in Cognitive Systems	978-3-031-69200-0	https://link.springer.com/chapter/10.1007/978-3-031-69201-7_18	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
6	Dr. Nilesh Korade	A Study on Revolutionizing Video Interviews and Meetings: AdaBoost Approach for Attention and Personality Identification	Sustainable Computing and Intelligent Systems	978-3-031-69200-0	https://link.springer.com/chapter/10.1007/978-981-96-3311-1_3	Scopus
7	Dr. Nilesh Korade	Musical Chord Recognition Using Convolutional Neural Network	Information Systems for Intelligent Systems(ISBM 2024)	978-981-96-1205-5	https://link.springer.com/chapter/10.1007/978-981-96-1206-2_27	Scopus
8	Rushali A. Deshmukh	Facilitating Voice Cloning in Intelligent Voice Assistants for Improving Mental Health of Elderly People	Fifth Congress on Intelligent Systems	978-981-96-2693-9	https://link.springer.com/chapter/10.1007/978-981-96-2694-6_15	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
9	Dhanashri M. Joshi, Gayatri G. Asalkar, Ashwini U. Bhosale	Alumni Portal for Rotaract Club of RSCOE	Information Systems for Intelligent Systems	978-981-96-1740-1	https://link.springer.com/chapter/10.1007/978-981-96-1741-8_9	Scopus
10	Dhanashri M. Joshi, Vinodkumar H. Bhutnal	Survey on Transfer Learning for Enhanced Diabetic Retinopathy Detection	Information Systems for Intelligent Systems	978-981-96-1740-1	https://link.springer.com/chapter/10.1007/978-981-96-1741-8_16	Scopus
11	Rutuja G. Khedkar	Improved Automated Irrigation System Using MicroPython	Information Systems for Intelligent Systems	978-981-96-1740-1	https://link.springer.com/chapter/10.1007/978-981-96-1741-8_43	Scopus
12	Ashwini U. Bhosale	Securing Smart Irrigation Systems with Rust and Bytebeam	Information Systems for Intelligent Systems	978-981-96-1743-2	https://link.springer.com/chapter/10.1007/978-981-96-1744-9_3	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
13	Shabana T. Pirjade	Specialized App for Smart Sports Industry	Information Systems for Intelligent Systems	978-981-96-1740-1	https://link.springer.com/chapter/10.1007/978-981-96-1741-8_40	Scopus
14	Shabana T Pirjade, Vinodkumar H. Bhutnal	AI- Driven Skin Disease Detection, Diagnosis and Tailored Medication Recommendations Model	ICT Analysis and Applications	978-981-97-8601-5	https://link.springer.com/chapter/10.1007/978-981-97-8602-2_18	Scopus

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Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
2023-24						
1	Dr. Prema B. Sahane	Detection of Fake Audio: A Deep Learning-Based Comprehensive Survey	Information Systems for Intelligent Systems	978-981-99-8611-8	https://link.springer.com/chapter/10.1007/978-981-99-8612-5_22	Scopus
2	Prof. Pushpavati V. Kanaje	Enhancing Criminal Identification: Human Face Deblurring and Mask Detection Using Convolutional Neural Networks	Information Systems for Intelligent Systems	978-981-99-8611-8	https://link.springer.com/chapter/10.1007/978-981-99-8612-5_13	Scopus
3	Dr. Kavita P. Moholkar	A Theoretical Model for the Implementation of Artificial Intelligence in Business-to-Business Marketing	Emerging Trends in Smart Societies	978-103-27-8820-3	https://www.taylorfrancis.com/chapters/edit/10.4324/9781003489412-10/theoretical-model-implementation-artificial-intelligence-business-business-marketing-kannan-nova-vartika-kulshrestha-velumani-kavita-moholkar	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
4	Prof. Amruta H. Hingmire	Optimizing Solid Waste Management: The Ecosort Solution	Proceedings of 4th International Conference on Artificial Intelligence and Smart Energy	978-3-031-61474-3	https://link.springer.com/chapter/10.1007/978-3-031-61475-0_27	Scopus
5	Dr. Rushali A. Deshmukh	Enriching big data Intrusion Detection and Service through Mapping and Parallel Computation	Artificial Intelligence: Theory and Applications	978-981-99-8476-3_36	https://link.springer.com/chapter/10.1007/978-981-99-8476-3_36	Scopus
6	Prof. Dhanraj S. Jadhav	CSGO Gaming Personality Prediction Using Big Five Factors	Proceedings of International Conference on Data Analytics and Insights, ICDAI 2023	978-981-99-3878-0_13	https://link.springer.com/chapter/10.1007/978-981-99-3878-0_13	Scopus
7	Prof. Dhanashri M. Joshi	A Comparative Study on the Implementation of Blockchain in Supply Chain Models	Business Intelligence	978-3-031-37872-0_8	https://link.springer.com/chapter/10.1007/978-3-031-37872-0_8	Scopus
8	Dr. D. S. Jadhav	Devanagari Handwritten Character Recognition Using Deep Learning and Neural Network	ICT Infrastructure and Computing	978-1-7281-7117-3	https://link.springer.com/chapter/10.1007/978-981-99-4932-8_41	Scopus

9	Dr. D. S. Jadhav	Touch-Free Biometric Authentication System	ICT Analysis and Application	979-8-3503-1879-1	https://link.springer.com/chapter/10.1007/978-981-99-6568-7_27	Scopus
10	Dr. Sunil Sangve	Smart Digital E-portal for Indian Farmers	Inventive Communication and Computational Technologies	10.1007/978-981-99-5166-6_75	https://link.springer.com/chapter/10.1007/978-981-99-5166-6_75	Scopus
11	Prof. Avinash Golande	Survey on IoT-Based Smart Irrigation System	ICT Analysis and Application	2367-3370	https://link.springer.com/chapter/10.1007/978-981-99-6568-7_39	Scopus
12	Dr. Prashant kumbharkar	Assembled LSTM Technique Used for Phonetic-Based Algorithm for Demographical Data	Proceedings of the NIELIT's International Conference on Communication, Electronics and Digital Technology	2708-4582	https://link.springer.com/chapter/10.1007/978-981-99-1699-3_36	Other

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
2022-23						
1	Dr. Deepak T. Mane	Traffic Density Classification for Multiclass Vehicles Using Customized Convolutional Neural Network for Smart City	Communication and Intelligent Systems	1015–1030	https://link.springer.com/chapter/10.1007/978-981-19-2130-8_78	Scopus
2	Dr. Deepak T. Mane	Vehicle-Type Classification Using Capsule Neural Network	Communication and Intelligent Systems	978-981-19-2130-8_80	https://link.springer.com/chapter/10.1007/978-981-19-2130-8_80	Scopus
3	Dr. Deepak T. Mane Dr. Sunil M. Sangve	Basil leaf disease detection and classification using customized convolutional neural network	Inventive Systems and Control	978-981-99-1624-5_50	https://link.springer.com/chapter/10.1007/978-981-99-1624-5_50	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
4	P. B. Sahane	Identification of Spoofing URL's using hybrid algortihms	Smart Trends in Computing and Communications	2367-3370	https://link.springer.com/chapter/10.1007/978-981-99-0769-4_27	Scopus
5	P.S. Sakpal	Utilizing Satellite Imagery For Flood Monitoring In Urban Regions	Fourth International Conference on Image Processing and Capsule Networks	2367-3389	https://link.springer.com/chapter/10.1007/978-981-99-7093-3_6	Scopus
6	Dr. R. A. Deshmukh	Visual Sentiment Analysis: An Analysis of Emotions in Video	IoT Based Control Networks and Intelligent Systems (ICICNIS 2023)	2367-3389	https://link.springer.com/chapter/10.1007/978-981-99-6586-1_21	Scopus
7	Prof. Avinash L. Golande	Optimal Software Based Sign Language Recognition System	Intelligent Sustainable Systems	978-981-99-1726-6_34	https://link.springer.com/chapter/10.1007/978-981-99-1726-6_34	Scopus
8	Dr. Deepak T. Mane	A Alzheimer's Disease Detection and Classification Using Customised Convolutional Neural Network	Computational Methods and Data Engineering	doi.org/10.1007/978-981-19-3015-7_33	https://link.springer.com/chapter/10.1007/978-981-19-3015-7_33#citeas	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/ Other
2021-22						
1.	Dr. Deepak T. Mane	A Survey on Alzheimer's Disease Detection and classification	Data Engineering for smart systems	978-981-16-2641-8	https://link.springer.com/chapter/10.1007/978-981-16-2641-8_60	Scopus
2.	Dr. Deepak T. Mane	A Survey on Diabetic Retinopathy Detection using Deep Learning	Data Engineering for smart systems	978-981-16-2640-1	https://link.springer.com/chapter/10.1007/978-981-16-2641-8_59	Scopus
3.	Dr. Deepak T. Mane	Deep Learning for COVID-19: COVID-19 Detection Based on Chest X-Ray Images by the Fusion of Deep Learning and Machine Learning Techniques	Understanding COVID-19: The Role of Computational Intelligence	978-3-030-74760-2	https://link.springer.com/chapter/10.1007/978-3-030-74761-9_21	Scopus
4	Dr. Rushali A. Deshmukh	Deep Convolutional Neural Network Approach for Classification of Poems	Intelligent Human Computer Interaction	978-3-030-98403-8	https://link.springer.com/chapter/10.1007/978-3-030-98404-5_7	Scopus

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/Other
5	Dr. Rushali A. Deshmukh	Stock Price Prediction Using Principal Component Analysis and Linear Regression	Emerging Technology in Data Mining and Information Security	978-981-19-4051-4	https://link.springer.com/chapter/10.1007/978-981-19-4052-1_28#:~:text=Aim%20is%20to%20predict%20trend,by%20reducing%20dimensionality%20and%20redundancy.	Scopus
6	Dr. Deepak T. Mane	Traffic density classification for multiclass vehicle using customized neural network for smart city	Communication and Intelligent Systems	978-981-19-2129-2	https://link.springer.com/chapter/10.1007/978-981-19-2130-8_78	Scopus
7	Deepak T. Mane	Vehicle type classification using capsule neural network	Communication and Intelligent Systems	978-981-19-2129-2	https://link.springer.com/chapter/10.1007/978-981-19-2130-8_80	Other
8	Dr. P. B. Kumbharkar, Dr. Deepak T. Mane	An Adaptable Ensemble Architecture for malware detection	International Conference on Innovative Computing and Communications	978-981-16-3070-5	https://link.springer.com/chapter/10.1007/978-981-16-3071-2_53#:~:text=In%20this%20section%2C%20the%20author,is%20to%20generate%20the%20predictions.	Other

Sr. No	Name of Faculty	Title of the chapters published	Title of the book published	ISBN	Link	Scopus/Other
9	Dr. Deepak T. Mane	Deep Learning-Based Medical Image Analysis Using Transfer Learning	Health Informatics: A Computational Perspective in Healthcare	978-981-15-9734-3	https://link.springer.com/chapter/10.1007/978-981-15-9735-0_2#:~:text=Abstract,classification%2C%20severity%20grading%2C%20etc.	Other
10	Dr. Prashant B. Kumbharkar	Recent Trends in Intensive Computing	A Proposed Methodology to Mitigate the Ransomware Attack	<u>10.3233/APC210173</u>	<u>https://ebooks.iospress.nl/doi/10.3233/APC210173</u>	Other
11	Dr. Deepak T. Mane Dr. Prashant B. Kumbharkar	Anomaly Detection from video surveillances using Adaptive Convolutional Neural Network	Intelligent Manufacturing and Energy Sustainability	978-981-19-8496-9	<u>https://link.springer.com/chapter/10.1007/978-981-19-8497-6_21</u>	Other