



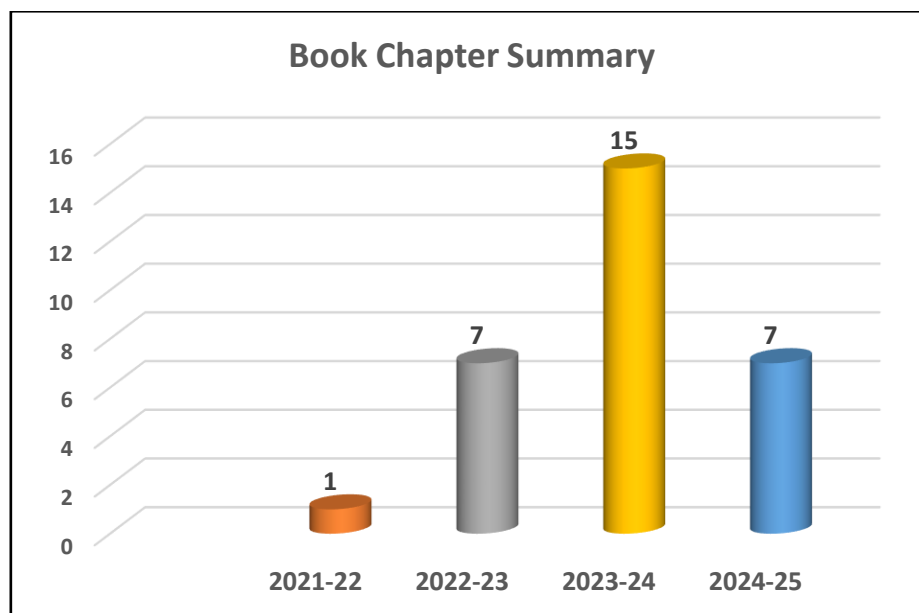
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TATHAWADE, PUNE-33
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Department of Information Technology

Details of Books / Book Chapter Publications

Sr. No.	Year	Scopus Indexing	Others	Total
1	2021-22	01	-	01
2	2022-23	07	-	07
3	2023-24	13	02	15
4	2024-25	07	-	07



Dipmala

R&D Coordinator

H. Ranjan

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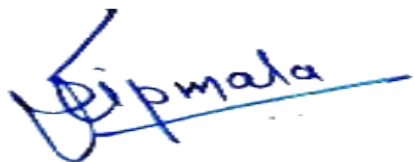
Details of Books / Book Chapter Publications 2022-23

Sr. No	Name of Faculty	Title of the book	Title of Book Chapter	Date of publication	ISSN	Indexing	Link
1.	Dr. Nihar M. Ranjan	Lecture Notes in Networks and Systems	Traffic Density Classification for Multiclass Vehicles Using Customized Convolutional Neural Network for Smart City	19/08/2022	978-981-19-2130-8	Scopus	https://link.springer.com/chapter/10.1007/978-981-19-2130-8_78
2.	Dr. Dipmala T. Salunke	Proceedings of International Conference on Emerging Trends and Innovations in ICT(ICEI-2022), Springer.	Deep learning based methods for Automatic License Plate Recognition : A Survey	18/11/2022	978-981-99-7954-7	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-7954-7_46
3.	Dr. Dipmala T. Salunke	Lecture Notes in Networks and Systems	Sign Language Recognition System Using Customized Convolution Neural Network	07/02/2023	978-981-19-6634-7	Scopus	https://link.springer.com/chapter/10.1007/978-981-19-6634-7_59

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4.	Dr. Nihar M. Ranjan	Practical Data Mining Techniques and Applications	Challenges and avenues in Sophisticated Health Care System	2023	9781032232676	Scopus	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003390220-7/challenges-avenues-sophisticated-health-care-system-rajesh-shardanand-prasad-jayashree-rajesh-prasad-nihar-ranjan
5.	Prof. Pallavi M. Tekade	Lecture Notes in Networks and Systems	Survey On Virtual Paint Board Using Computer Vision	2023	ISBN 978-981-99-1698-6 ISSN 2367-3370	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-1699-3_47
6.	Dr. Nihar M. Ranjan	Practical Data Mining Techniques & Applications	Challenges and Avenues for Sophisticated Digitized Healthcare System: A Review	2023	9780000000000	Scopus	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003390220-7/challenges-avenues-sophisticated-health-care-system-rajesh-shardanand-prasad-jayashree-rajesh-prasad-nihar-ranjan
7.	Dr. Pallavi M. Tekade	International Conference on Sustainable Computing and Smart Systems	Virtual paint board using computer vision	2023	979-8-3503-3360-2	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-1699-3_47



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Details of Books / Book Chapter Publications 2023-24

Sr. No	Name of Faculty	Title of the book	Title of Book Chapter	Date of publication	ISSN	Indexing	Link
2023-2024							
1.	Dr. G.S. Mate	Communication and Intelligent System	A SENS Score of Rheumatoid Arthritis Detection Using Customized Convolutional Neural Network	11/07/2023	978-981-99-2322-9	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-2322-9_49
2.	Dr. Nihar M. Ranjan	Algorithms for Intelligent System	Health Ware— A New Generation Smart Healthcare System	11/10/2023	978-981-99-4626-6	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-4626-6_25
3.	Dr. Geetanjali S.Mate	Communication in Computer and information Science	Recognitio N Of Varities Of Rice Using Deep Learning	11/10/2023	978-3-031-45121-8	Scopus	https://link.springer.com/chapter/10.1007/978-3-031-45121-8_11
4.	Dr. Dipmala T. Salunke	International conference on Advanced Communication and Intelligent Systems 2023	Comparative Analysis of Deep Learning Architectures for Garbage Classificatio n	11/10/2023	978-3-031-45124-9	Scopus	https://link.springer.com/chapter/10.1007/978-3-031-45124-9_1

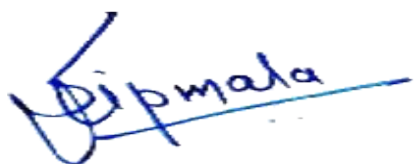
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Dipmala

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N. Ranjan

5.	Maya P Shelke	Data Science and Intelligent Computing Technique	Combining Computer Vision Techniques and Intraframe Noise Methods to Detect a Deepfake	22/10/2023	978-81-955020-2-8	Scopus	https://www.publications.scrs.in/chapter/978-81-955020-2-8/43
6.	Dr. Nihar M. Ranjan	Lecture Notes in Networks and Systems	Real time catract detection through web- based image analysis	18/01/2024	978-981-99-7817-5 (Online)	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-7817-5_2
7.	Dr. Nihar M. Ranjan	Lecture Notes in Electrical Engineering	Ensemble Learning for Churn Analysis: A Comprehensive Evaluation of Methods	23/01/2024	978-981-99-7383-5	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-7383-5_5
8.	Dr. Maya S. Bembde	Innovations in Electronics and Electrical Engineering, Lecture Notes in Electrical Engineering	An Intelligent LoRa-Based Wireless Sensor Network Mesh Architecture to Improve Precision Agriculture	28/01/2024	978-981-99-8289-9	Scopus	https://www.springerprofessional.de/en/an-intelligent-lora-based-wireless-sensor-network-mesh-architect/26668868



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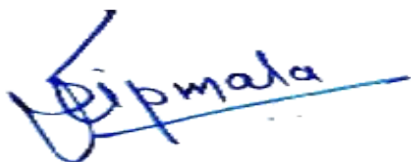
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9.	Dr. Nihar M. Ranjan	Computational Intelligence in Machine Learning	Automatic Text Document Classification by Using Semantic Analysis and Lion Optimization Algorithm	21/02/2024	978-981-99-7954-7	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-7954-7_48
10.	Dr. Nihar M. Ranjan	Advances in Data Driven computing and Intelligent System	Credit Card Fraud Detection by Using Ensemble Method of Machine Learning	22/02/2024	978-981-99-9521-9	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-9521-9_34
11.	Dr. Nihar M. Ranjan	Artificial Intelligence: Theory and Applications, Lecture Notes in Networks and Systems	Decision Tree- Based Electricity Optimization Using Intelligent Appliance Controller	28/02/2024	978-981-99-8476-3	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-8476-3_29
12.	Dr. Dipmala T. Salunke	Lecture Notes in Networks and Systems,	Smart Watch Assisted Multi- disease Detection Using Machine Learning: A Comprehensive Survey	28/02/2024	978-981-99-8476-3	Scopus	https://link.springer.com/chapter/10.1007/978-981-99-8476-3_31

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13.	Dr. Nihar M. Ranjan	Emotional AI and Human AI Interaction in Social Networking	Detection of social mental disorder using convolution neural network	2024	9780443190964	Scopus	https://www.sciencedirect.com/science/article/abs/pii/B9780443190964000122#:~:text=The%20temporal%20dependency%20across%20days,health%20issues%20were%20accurately%20identified.
14.	Dr. Sandeep M. Chaware	Futuristic Trends in IOT	Convergence of ARTificial Intelligence and IoT: A Boom	2024	978-93-5747-531-0	Others	https://www.jspm-rsc-oe.edu.in/NAAC-CY-II-SSR-Docs/Criteria-3/3.4.4/23-24/19.pdf
15.	Dr. Sandeep M. Chaware	Futuristic Trends in IOT	IOT-based Secure Video Content Detection system for Stray Animals	2024	978-93-5747-531-0	Others	https://www.jspm-rsc-oe.edu.in/NAAC-CY-II-SSR-Docs/Criteria-3/3.4.4/23-24/20.pdf



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Details of Books / Book Chapter Publications 2024-25

Sr. No	Name of Faculty	Title of the book	Title of Book Chapter	Date of publication	ISSN	Indexing	Link
1.	Dipmala Salunke	Rehabilitation Engineering, Assistive Technologies and the Future of Healthcare Using Robotics	Rehabilitation Engineering, Assistive Technologies and the Future of Healthcare Using Robotics	13/06/2025	9780443316258	Elsevier publisher, Scopus	https://shop.elsevier.com/books/rehabilitation-engineering-assistive-technologies-and-the-future-of-healthcare-using-robotics/hemanth/978-0-443-31624-1
2.	Nihar M. Ranjan	Electronic Health Record	Advances of Machine Learning for Knowledge Mining in Electronic Health Records	07/03/2025	9781003408376	Scopus	https://doi.org/10.1201/9781003408376
3.	Chandan Prasad	Communications in Computer and Information Science, CCIS, volume 2195	Fake Product Detection Using Blockchain with Encryption and AI	31 October 2024	978-3-031-73494-6	Scopus	https://link.springer.com/chapter/10.1007/978-3-031-73494-6_3

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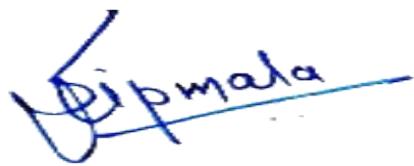
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4.	Dipmala Salunke	Communications in Computer and Information Science, , CCIS, volume 2308	A Research Survey on Optimal Crop Recommendation Systems Integrating Market and Climatic Conditions	13 March 2025	978-3-031-84394-5	Scopus	https://link.springer.com/chapter/10.1007/978-3-031-84394-5_2
5.	Nihar M. Ranjan	Lecture Notes in Networks and Systems ((LNNS,volume 1201))	Incorporating LoRa based wireless sensor Network and Machine Learning Technologies to Improve Precision Agriculture	01 February 2025	978-981-97-9839-1	Scopus	https://link.springer.com/chapter/10.1007/978-981-97-9839-1_24
6.	Nihar M. Ranjan	Lecture Notes in Networks and Systems ((LNNS,volume 1108))	Personalized Stress Mitigation through EEG based Stress Classification and Music Recommendation	23 October 2024	978-981-97-6588-1	Scopus	https://link.springer.com/chapter/10.1007/978-981-97-6588-1_14

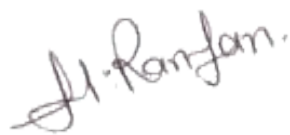
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7.	Dipmala Salunke	Lecture Notes in Networks and Systems ((LNNS,volume 1164))	Integrated Agricultural Decision Support System Leveraging Random Forest for Crop Prediction and EfficientNet B0 for Disease Prediction	02 February 2025	978-981-97-8329-8	Scopus	https://link.springer.com/chapter/10.1007/978-981-97-8329-8_58
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