Bhagwan Parshuram Institute of Technology
Details of Publications of Book Chapters
Academic Year 2025-26

S.no.	Name of Faculty	Title of the Chapter	Title of the Book	ISBN of the Book	Publisher of the Book	Status (Published/ Online Preprint/)	Month of the publication (in Numeric)	Year of the Publication	Vol. and Issue No.	Page Nos	DOI/URL no (if any)
1	Dr. Nitish Pathak	A comparative analysis, prediction and prevention of suicidal rate in society using Deep Learning	Data Mining and Information Security	978-981-96-6053-7	Springer Nature	Published	10	2025	2	435–449	https://doi.org/10.1007/978-981-96-6053-7_29
2	Ms. Prachi Kaushik	A Survey on Fetal ECG Extraction Techniques in the Era of Machine Learning	Innovative Computing and Communications	978-981-96-7134-2	Springer Nature	Published Online	10	2025	LNNS, Vol 1436	97-115	https://doi.org/10.1007/978-981-96-7134-2_8
3	Dr. Tanima Ghosh, Dr.Pavika Sharma, Dr.Preeti Singh	Advancing Sustainable Development through Concrete Crack detection via Hybrid CNN model	Sustainable Development through Machine Learning , AI and IoT	ISBN 978-3-032-19239-4 (eBook)	Springer	Published	4	2026	Vol 2887	319-329	https://www.scilit.com/publications/503e6b910e5f14e5b73e8398deca9f86; DOI: 10.1007/978-3-032-19239-4_27
4	Dr. Pooja Rani	AI Driven Therrmal Management in Wind and Hybrid Renewable Energy Systems	Artificial Intelligence and Machine Learning in Heat transfer Optimization for Sustainable Energy Systems	978-1-041-08969-8	CRC Press, Taylor & Francis Group	Published	2	2026	1st Edition	167-184	https://doi.org/10.1201/9781003647782
5	Dr. Nitish Pathak	Amalgamation of Artificial Intelligence (AI) and Data Science in Taxation	Advanced Digital Technologies in Financial and Business Management	9781003558279	Apple Academic Press, Taylor & Francis Group, USA	Published	7	2025	1	1-14	https://doi.org/10.1201/9781003558279
6	Dr. Priyanka Singla	An AI Framework for Estimating Obesity Levels Using Randomly Optimized Machine-Learning Models	Information Systems for Intelligent Systems: Proceedings of ISBM 2024, Volume 2	978-981-96-1210-9	Springer Nature Singapore	Published	5	2025	2	321-332	https://doi.org/10.1007/978-981-96-1210-9_29
7	Dr Pavika Sharma	Application of AI in Environmental Sustainability	Artificial Intelligence-Driven Models for Environmental Management	9781394282524	John Wiley & Sons, Inc.	Published	7	2025	1	1-41	https://doi.org/10.1002/9781394282555.ch1Digital Object Identifier (DOI)
8	Dr. Nitish Pathak	Application of Artificial Intelligence for Sustainable Human Resource Management	Proceedings of Data Analytics and Management	978-981-96-3361-6	Springer Nature	Published	7	2025	4	221–238	https://doi.org/10.1007/978-981-96-3361-6_17
9	Dr. Nitish Pathak	Application of Data Science and Artificial Intelligence in Retail Sector	Advanced Digital Technologies in Financial and Business Management	9781003558279	Apple Academic Press, Taylor & Francis Group, USA	Published	7	2025	1	1-22	https://doi.org/10.1201/9781003558279
10	Mr. Sashwat Ranjan Shukla	Artificial Intelligence and Machine Learning in Nanocomposite Design	Polymer Nanocomposites: Advances, Applications, and Innovations		Cambridge Scholars Publishing	Under Publication			1		
11	Dr Pavika Sharma	Artificial Intelligence and Sustainable Economy	Using AI to Develop Sustainability Strategies for a Changing Global Economy	9.781E+12	Auerbach Publications, Taylor & Francis Group	Published Online	11	2025	1	46-65	https://doi.org/10.1201/9781003640776
12	Ms. Prachi Kaushik, Dr.Komal Bhagat	Cough Signal Processing for Classification and Early Detection of COVID-19 Using Deep Learning Integrated Approach	Proceedings of Data Analytics and Management	978-3-032-02949-2	Springer Nature	Published Online	10	2025	LNNS, Vol 1594	202-215	https://doi.org/10.1007/978-3-032-02949-2_18

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13	Ms.Shalini Bhadola	Cybercrime, Informationn Threats And Digital Security Challeges	Digital Protection: Cyber Security Essentials	978-81-69931	IIP Series	Published	7	2026	6	146-166	https://www.doi.org/10.58532/nbennur3268C11
14	Dr. Nitish Pathak	Eco-Intelligence: The Pivotal Role of Artificial Intelligence (AI) and Machine Learning (ML) in Shaping Sustainable Practices Across Industries	Green Computational Intelligence: Sustainable Strategies and Emerging Technologies	9781394383610	Wiley-Scrivener, USA	Published	10	2025	1	125-158	https://doi.org/10.1002/9781394383658.ch7
15	Ms.Shalini Bhadola	Email Spam Detection Using Machine Learning	Digital Protection: Cyber Security Essentials	978-81-69931-52-6	IIP Series	Published	7	2026	6	132-145	https://www.doi.org/10.58532/nbennur3268C10
16	Palak Girdhar	Empirical Evaluation using Generative AI models for the Multiclass Classification of Retinal Disease Images	Robotics and Generative AI in Healthcare	9.78104E+12	CRC Press	Published	2	2026	1st Edition	113–130	https://www.routledge.com/Robotics-and-Generative-AI-in-Healthcare-A-New-Era-of-Innovation/Kumar-Mishra-Hemanth/p/book/9781041084686
17	Dr. Bhawna Suri	Empirical Evaluation using Generative AI models for the Multiclass Classification of Retinal Diseases Images	Robotics and Generative AI in HealthcareA New Era of Innovation	9781003670582	CRC Press	Published	2	2026	1st Edition	113-130	https://www.routledge.com/Robotics-and-Generative-AI-in-Healthcare-A-New-Era-of-Innovation/Kumar-Mishra-Hemanth/p/book/9781041084686
18	Dr. Shweta Taneja	Empirical Evaluation using Generative AI models for the Multiclass Classification of Retinal Diseases Images	Robotics and Generative AI in HealthcareA New Era of Innovation	9781003670582	CRC Press	Published	2	2026	1	113-130	https://www.routledge.com/Robotics-and-Generative-AI-in-Healthcare-A-New-Era-of-Innovation/Kumar-Mishra-Hemanth/p/book/9781041084686
19	Dr. Suman	Generative AI in Healthcare: A New Frontier for Diagnostics	Robotics and Generative AI in Healthcare	9781003670582	CRC Press	Published	2	2026	1st Edition	72–93	https://www.taylorfrancis.com/chapters/edit/10.1201/9781003670582-5/generative-ai-healthcare-new-frontier-diagnostics-aakanksha-mahajan-suman
20	Dr. Nitish Pathak	Green Artificial Intelligence: Eco-Friendly Technology for Futures and Intelligent Cities	Green Computational Intelligence: Sustainable Strategies and Emerging Technologies	9781394383610	Wiley-Scrivener, USA	Published	10	2025	1	405-424	https://doi.org/10.1002/9781394383658.ch18
21	Kavita Segwal, Arvind Sharma, Sugandha Gupta	Green Photonics Enhancing Supply Chain Management	Photonics and Optoelectronics in Industry 5.0	978-981-96-7594-4	Springer, Singapore	Published	8	2025	vol-1, issue 1	127–144	10.1007/978-981-96-7594-4_8

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22	Dr. Nitish Pathak	Harnessing Gamification to Drive Green Product Purchase Intentions	Innovative Computing and Communications	978-981-96-7523-4	Springer Nature	Published	10	2025	5	439–450	https://doi.org/10.1007/978-981-96-7523-4_32
23	Dr. Nitish Pathak	Human Machine Collaboration in Business Process	Advanced Digital Technologies in Financial and Business Management	9781003558279	Apple Academic Press, Taylor & Francis Group, USA	Accepted	7	2025	1	1-28	https://doi.org/10.1201/9781003558279
24	Dr. Nitish Pathak	Importance of Sustainability in Technology	Green Computational Intelligence: Sustainable Strategies and Emerging Technologies	9781394383610	Wiley-Scrivener, USA	Published	10	2025	1	19-35	https://doi.org/10.1002/9781394383658.ch2
25	Dr Pavika Sharma	Integrating Evolutionary Computing for Enhanced Earthquake Risk Assessment	Lecture Notes in Networks and Systems	2367-3370	Springer Cham	Published Online	12	2025	LNNS, volume 1836	14–23	https://doi.org/10.1007/978-981-95-0681-1_2
26	Dr Pavika Sharma	Integrating Evolutionary Computing for Enhanced Earthquake Risk Assessment	Proceedings of Fifth Emerging Trends and Technologies on Intelligent Systems ETTIS 2025, Volume 2	978-981-95-0681-1	Springer Nature	Published	12	2025	1	14-23	https://doi.org/10.1007/978-981-95-0681-1_2
27	Dr Shweta Taneja, Dr. Bhawna Suri	Integrating Time Series Analysis and Machine Learning for Sustainable Crime Prediction	Cyber Security and Digital forensics, LNNS, Vol-1287	ISBN: 978-981-96-3284-8	Springer, Singapore.	Published	8	2025	1287	345-358	https://doi.org/10.1007/978-981-96-3284-8_26
28	Dr. Usha Sharma	Key Performance Indicators for 6G Technology	Lecture Notes in Electrical Engineering	978-981-95-4414-1	Springer, Singapore.	Published Online	1	2026	LNNE,Vol1511	515-542	https://doi.org/10.1007/978-981-95-4415-8_24
29	Dr. Shailendra Gaur	Leveraging Data Science and Generative AI to Explore Human Behaviour and Health Issue	Robotics and Generative AI in Healthcare	978-1003670582	CRC Press	Published	2	2026	1	1-16	https://doi.org/10.1201/9781003670582
30	Dr. Nitish Pathak	Machine Learning for Energy Optimization in Computing Systems	Green Computational Intelligence: Sustainable Strategies and Emerging Technologies	9781394383610	Wiley-Scrivener, USA	Published	10	2025	1	425-458	https://doi.org/10.1002/9781394383658.ch19
31	Ms. Prachi Kaushik, Dr.Komal Bhagat	Machine Learning-Based Approaches for Cerebral Tumor Detection and Classification: A Comparative Performance Analysis	Artificial Intelligence and Applications	978-981-95-0493-0	Springer Nature	Published Online	11	2025	1	315-27	https://doi.org/10.1007/978-981-95-0493-0_24
32	Ms. Prachi Kaushik	Mathematical Modelling of Fetal ECG Signal	Proceedings of Smart and AI Enabled Technology for Sustainable Development	978-981-96-9370-2	Springer Nature	Published Online	1	2026	LNEE, Vol 1452	279-289	https://doi.org/10.1007/978-981-96-9370-2_20
33	Dr. Bhawna Suri	Moving towards sustainable and smart agriculture	Optimizing Smart and Sustainable Agriculture for Sustainability	9781003628392	CRC Press	Published	7	2025	1st Edition	129-146	10.1201/9781003628392
34	Dr. Shweta Taneja	Moving towards sustainable and smart agriculture	Optimizing Smart and Sustainable Agriculture for Sustainability	9781003628392	CRC Press	Published	7	2025	1	1-18	10.1201/9781003628392

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35	Dr Pavika Sharma	NeuroNav: A Hybrid Deep Learning Framework for Sustainable Autonomous Indoor Robot localizationa and navigation	Communications in Computer and Information Science	978-3-032-19238-7	Springer	Published	4	2026	1	330-349	https://www.scilit.com/publications/9cbd2d5b7dc9620a25ec0532e78d1753; DOI: 10.1007/978-3-032-19239-4_28
36	Dr. Gayatri Chopra	Object-Oriented Software Engineering Security Practices in Healthcare Analytics: Ensuring Data Integrity and Compliance	ICT: Applications and Social Interfaces. ICTCS 2024. Lecture Notes in Networks and Systems	978-981-96-4138-3	Springer, Singapore	Published	8	2025	vol 1323	417-425	https://doi.org/10.1007/978-981-96-4139-0_36
37	Deepika Sandil	Optical and Photonic Properties in Polymer Nanocomposites	Polymer-Based Functional Nanocomposites: Applications and Prospects	978-103-2-86-3689	CRC Press, Taylor & Francis Group	Published	9	2025	Edition 1	78-93	https://dx.doi.org/10.1201/9781003527602-5
38	Dr. Nitish Pathak	Scholastic Impact of UPI on Microbusinesses: A Bibliometric Analysis	Proceedings of Fourth International Conference on Computing and Communication Networks	978-981-96-6124-4	Springer Nature	Published	10	2025	2	503–512	https://doi.org/10.1007/978-981-96-6124-4_41
39	Dr. Gayatri Chopra	Stigma, Society, and Systems. In Confronting Mental Health Stigma with AI and Machine Learning	Confronting Mental Health Stigma with AI and Machine Learning	Print ISBN:9781394347261 |Online ISBN:9781394347308	Wiley, USA	Published	4	2026	1	383-404	https://doi.org/10.1002/9781394347308.ch15Digital Object Identifier (DOI)
40	Dr Mani Manjari	Sustainability Integration in Corporate Governance and Accounting Systems: Global Perspectives	Global perspective in multidisciplinary research and scholarly innovation	ISBN 978-69297-30-1	Innovative global publication	Published	6	2026	1	167-179	/http://doi.org/10.59646/714
41	Dr. Tanima Ghosh	Sustainable Development in MAchine Learning	Sustainable Development through Machine Learning , AI and IoT	ISBN 978-3-032-19239-4 (eBook)	Springer	Published	4	2026	Vol 2888	125-133	https://www.scilit.com/publications/58320d80c236839d275c0ada1e41d544 ; https://doi.org/10.1007/978-3-032-19239-4_11
42	Dr. Nitish Pathak	Theoretical and conceptual Analysis Towards 5G Connectivity for thriving Digital Ecosystem	Data Mining and Information Security	978-981-96-6060-5	Springer Nature	Published	10	2025	3	535–541	https://doi.org/10.1007/978-981-96-6060-5_39
43	Dr. Nitish Pathak	Unleashing the Potential of U-Net in Biomedical Image Segmentation	Data Mining and Information Security	978-981-96-6046-9	Springer Nature	Published	10	2025	1	3-15	https://doi.org/10.1007/978-981-96-6046-9_1
44	Dr. Nitish Pathak	Unleashing the Power of AI in Business, Finance, Industry 4.0, and Banking 4.0	Advanced Digital Technologies in Financial and Business Management	9781003558279	Apple Academic Press, Taylor & Francis Group, USA	Published	7	2025	1	1-18	https://doi.org/10.1201/9781003558279

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1	Dr. Nitish Pathak	Advanced Digital Technologies in Financial and Business Management-Unleashing the Power of Artificial Intelligence, Machine Learning, Blockchain, and the Internet of Things	Edited	International	9781003558279	Apple Academic Press, Taylor & Francis Group, USA	7	2025
2	Dr. Gayatri Chopra	Conference Proceedings For 5th International Conference On "Growth Adaptation And Reinvention – Empirical Evidence, Strategic Frameworks And Applied Insights (ICGAR-2026)	Edited	International	978-81 998886-4-7	BPIT	4	2026
3	Dr. Nitish Pathak	Green Computational Intelligence: Sustainable Strategies and Emerging Technologies	Edited	International	9781394383610	Wiley-Scrivener USA	1	2026
4	Ms Vidhu Vats	Indian Knowledge System-Introduction and philosophy	Type Book	International	978-9366656182	Authors click publishing	1	2025
5	Dr. Gayatri Chopra	International Journal of Public Sector Performance Management:Special Issue on: Fostering Innovation in Business Practices: Role of the Public Sector	Edited	International	1741-1041	Scopus	12	2025
6	Dr Pavika Sharma	Quantum Learning Bridging Artificial Intelligence, Quantum Computing, and Data Science in Education	Edited	International	9781003637400	CRC Press, Taylor & Francis	5	2026
7	Dr Pavika Sharma	The AI Agent Revolution: AI's Impact on Industries	Reference	National	978-9334351446	The Research World	12	2025
8	Dr. Neha Garg, Ms. Nupur Tyagi	The Fintech Matrix	Authored book	International	978-87-438-1122-0	River Publishers, Denmark	7	2026