

Scopus Index Book Chapter/Conference Paper/ Book (2024-25)

S.No.	Type	Authors	Title	Academic Session	indexing	DOI
1	Book	Rana Arun Kumar	Intelligent Data-Driven Techniques for Security of Digital Assets	2024-25	Scopus	https://doi.org/10.1201/9781003590439
2	Book	Berwal Parveen	IoT Applications in Geotechnical Engineering	2024-25	Scopus	https://doi.org/10.1201/9781003537625
3	Book	Sharma Kavita	Securing the Digital Frontier: Threats and Advanced Techniques in Security and Forensics	2024-25	Scopus	https://doi.org/10.1002/9781394268917
4	Book	Rana, Arun Kumar Chaudhary, Vijay Shanker	Evolution of machine learning and internet of things applications in biomedical engineering	2024-25	Scopus	https://doi.org/10.1201/9781003476207
5	Book	Rana, Arun Kumar Goel, Pallavi Murghai	Internet of Things and Big Data Analytics-Based Manufacturing	2024-25	Scopus	https://doi.org/10.1201/9781032673479
6	Book	Sharma, Kavita	Emerging Threats and Countermeasures in Cybersecurity	2024-25	Scopus	https://doi.org/10.1002/9781394230600
7	Book	Garg, Rajni Anjum, Ansar	Sustainable approach to protective nanocoatings	2024-25	Scopus	https://doi.org/10.4018/9798369331361
8	Book	Garg, Rajni Anjum, Ansar	Smart and sustainable applications of nanocomposites	2024-25	Scopus	https://doi.org/10.4018/9798369310946
9	Book	Rana, Arun Kumar	Fusion of Artificial Intelligence and Machine Learning for Advanced Image Processing, Data Analysis, and Cyber Security	2024-25	Scopus	
10	Book chapter	Kaushik Pooja	Darkside of Climate Neutrality and Smart Eco Innovations in Developed and Developing Countries	2024-25	Scopus	https://doi.org/10.1007/978-3-031-83250-5_18
11	Book chapter	Khan Muskan	Leveraging Generative AI and Well-Being Oriented HRM to Address Social Isolation and Quiet Quitting in the Workplace	2024-25	Scopus	https://doi.org/10.1007/978-3-031-83911-5_50
12	Book chapter	Kashyap Manju	Numerical Analysis of Nanoparticle Diffusion: Solving Time-Fractional Kleinâ€”Gordon Equations with the Laplace Homotopy Perturbation Method	2024-25	Scopus	https://doi.org/10.1007/978-3-031-84955-8_10
13	Book chapter	Rana Arun Kumar	Advanced video steganography: Integrating edge detection with identical match approaches for optimal data hiding	2024-25	Scopus	https://doi.org/10.1201/9781003590439-12
14	Book chapter	Tiwari Arti	An analysis on runtime associated QOS-based proficient web services discovery optimization	2024-25	Scopus	https://doi.org/10.1201/9781003616252-78
15	Book chapter	Eqbal Shahid	Brain tumor detection and classification by leveraging deep neural network	2024-25	Scopus	https://doi.org/10.1201/9781003606208-90
16	Book chapter	Pandey Mahima Shanker	Context dependent sentiments analysis using machine learning	2024-25	Scopus	https://doi.org/10.1002/9781394287062.ch5
17	Book chapter	Tyagi Priyanka	Digital twin technology in healthcare: Benefits and security considerations	2024-25	Scopus	https://doi.org/10.1002/9781394229826.ch21
18	Book chapter	Singh Leena	Ethical and Regulatory Compliance Challenges of Generative AI in Human Resources	2024-25	Scopus	https://doi.org/10.1002/9781394271078.ch11
19	Book chapter	Garg Nitin	Frequency and linearity parameter analysis of nanotube junction-less gate all around MOSFET and their dependence on inner and outer radius of gate	2024-25	Scopus	https://doi.org/10.1201/9781003606208-71
20	Book chapter	Agrawal Tushar, Student	Health prediction application: A comprehensive literature review	2024-25	Scopus	https://doi.org/10.1201/9781003606635-85
21	Book chapter	Rana Arun Kumar	Integration of blockchain technology with travel industry: A comprehensive analysis	2024-25	Scopus	https://doi.org/10.1201/9781003590439-7
22	Book chapter	Kujur Shelly	Multifunctional Materials in Engineering and Processing Engineering of Multifunctional Materials	2024-25	Scopus	https://doi.org/10.1002/9781394234134.ch11
23	Book chapter	Rana Arun Kumar	Secure and intelligent data-driven technique with IPv6 in Internet of Things applications	2024-25	Scopus	https://doi.org/10.1201/9781003590439-15
24	Book chapter	Sarah null	Skill verification system using blockchain: Architecture, challenges and proposed model	2024-25	Scopus	https://doi.org/10.1201/9781003590439-10
25	Book chapter	Singh Leena	The Synergy of Emotional Intelligence, Mental Health, and Physical Fitness: The Impact of Yoga on Daily Life	2024-25	Scopus	https://doi.org/10.1201/9781032715377-20
26	Book chapter	Malik Monika	Water Chemistry and Quality Standards	2024-25	Scopus	https://doi.org/10.1201/9781003616092-7
27	Book chapter	Singh, Leena Malik, Monika	Phytoremediation of Heavy Metals by Vetiver Grass near Riverbeds	2024-25	Scopus	https://doi.org/10.1007/978-3-031-60761-5_7

28	Book chapter	Gupta, Sachi	Introduction to Federated Learning Transforming: Collaborative Machine Learning for a Decentralized Future	2024-25	Scopus	https://doi.org/10.1201/9781003489368-1
29	Book chapter	Khakhil, Sanjay	Wearable electrochemical and biosensors for forensic analysis: Challenges and research directions	2024-25	Scopus	https://doi.org/10.1016/B978-0-443-13792-1.00015-8
30	Book chapter	Sharma, Kavita	Advanced Security for IoT and Smart Devices: Addressing Modern Threats and Solutions	2024-25	Scopus	https://doi.org/10.1002/9781394230600.ch10
31	Book chapter	Chhabra, Himanshu	Machine learning assisted EEG signal classification for automated diagnosis of mental stress	2024-25	Scopus	https://doi.org/10.1016/B978-0-443-21870-5.00042-X
32	Book chapter	Kumar, Kanhaiya	Probabilistic Distribution and Monte Carlo Approach for Reliability Evaluation of SEIG-Based Micro Hydro Power Generation System	2024-25	Scopus	https://doi.org/10.1002/9781394226771.ch18
33	Book chapter	Miya, Javed Kumar, Sanjay Sachdeva, Nitin	Various segmentation techniques for medical images and the role of IoT	2024-25	Scopus	https://doi.org/10.1016/B978-0-443-21870-5.00034-0
34	Book chapter	Anjum, Ansar	Introduction to nanocoatings and packaging	2024-25	Scopus	https://doi.org/10.4018/9798369331361.ch001
35	Book chapter	Anjum, Ansar Garg, Rishav	Introduction to nanotechnology: Transformative frontier	2024-25	Scopus	https://doi.org/10.4018/97983693310946.ch001
36	Book chapter	Dwivedi, Smriti	Polymer nanocomposites and their applications	2024-25	Scopus	https://doi.org/10.2174/9789815256772124010006
37	Book chapter	Dwivedi, Smriti	Oils and Fats: Raw Materials for Corrosion Inhibitor	2024-25	Scopus	
38	Book chapter	Garg, Rajni Garg, Rishav	Applications of nanocomposites in water remediation: A mechanistic overview	2024-25	Scopus	https://doi.org/10.4018/97983693310946.ch004
39	Book chapter	Garg, Rajni Garg, Rishav Anjum, Ansar	Ethical and environmental implications associated with the application of nanotechnology	2024-25	Scopus	https://doi.org/10.4018/97983693310946.ch010
40	Book chapter	Garg, Rishav Garg, Rajni	Applications of nanocoatings: Smart and sustainable protection	2024-25	Scopus	https://doi.org/10.4018/9798369331361.ch002
41	Book chapter	Katiyar, Saurabh Kumar, Arun	AI AND IOT-BASED MEDICAL IMAGING TECHNOLOGY FOR HEALTHCARE APPLICATIONS: FUTURE RESEARCH	2024-25	Scopus	
42	Book chapter	Kumar, Arun	AI AND IOT-BASED SMART HEALTHCARE WITH IMAGE PROCESSING	2024-25	Scopus	
43	Book chapter	Negi, Abhimanyu Singh Gupta, Prakhar Srivastava, Rashi Rana, Arun Kumar	COVID-19 Detection and Pandemic Prevention System Using Data Science	2024-25	Scopus	https://doi.org/10.1201/9781003466949-12
44	Book chapter	Rana, Arun Kumar	Role and Impact of Blockchain-IoT-Enabled Supply Chain Management Model for Medical Supply	2024-25	Scopus	https://doi.org/10.1201/9781003466949-3
45	Book chapter	Rana, Arun Kumar	Research Applications in Healthcare with Machine Learning Approaches	2024-25	Scopus	https://doi.org/10.1201/9781032673479-15
46	Book chapter	Rana, Arun Kumar	Internet of Things Architecture's Importance in Healthcare Management	2024-25	Scopus	https://doi.org/10.1201/9781032673479-4
47	Book chapter	Rana, Arun Kumar	Convergence of AR, VR IoT with artificial intelligence to train surgeons for medical surgeries	2024-25	Scopus	https://doi.org/10.1201/9781003476207-14
48	Book chapter	Rana, Arun Kumar Kesarwani, Amit Kumar	Role of IoT and Big Data in Evolving Smartness in Manufacturing and Lifestyle	2024-25	Scopus	https://doi.org/10.1201/9781032673479-9
49	Book chapter	Rana, Arun Kumar Singh, Shikha	Impact of Big Data and Internet of Things in Manufacturing: Next Level of Revolution	2024-25	Scopus	https://doi.org/10.1201/9781032673479-7
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52	Book chapter	Sinha, Jaya Chandrababha, M.	Assembly of Cyber and Illegal Intimidation	2024-25	Scopus	https://doi.org/10.1201/9781003251781-10
53	Book chapter	Tyagi, Priyanka	Energy optimization using Artificial Intelligence	2024-25	Scopus	https://doi.org/10.1201/97810033541363-10
54	Book chapter	Mohammed Shariff, A. S.	Big Data for Intelligence and Security	2024-25	Scopus	https://doi.org/10.1201/9781003251781-5
55	Book chapter	Mohammed Shariff, A. S. Babu, M. Dinesh	Low-Cost High-Impact AI Tools vs Cybercrime	2024-25	Scopus	https://doi.org/10.1201/9781003251781-8
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59	Book chapter	Kaushik, Pooja	Renewable energy funds: Challenges and solutions to achieve sustainability goals (SDG 13)	2024-25	Scopus	https://doi.org/10.4018/979-8-3693-3932-9.ch009
60	Book chapter	Kaushik, Pooja	Financial fraud and manipulation: The malicious use of deepfakes in business	2024-25	Scopus	https://doi.org/10.4018/979-8-3693-6890-9.ch008
61	Conference paper	Arthi T. S.	Deepfake Video Detection Using Mouth Movement Technology	2024-25	Scopus	https://doi.org/10.1007/978-3-031-72747-4_21
62	Conference paper	Kumar Sachin	A Security-Awareness and Mobile-Aware Multi-Workflow Scheduling Strategy in Edge-Cloud Computing	2024-25	Scopus	https://doi.org/10.3233/ATDE250591
63	Conference paper	Katiyar Saurabh, Guru Gobind Singh Indraprastha University, New Delhi, DL, India	Dual-band circularly polarized silicon based dielectric resonator antenna for terahertz sensing applications	2024-25	Scopus	https://doi.org/10.1063/5.0234123
64	Conference paper	Katiyar Saurabh, Guru Gobind Singh Indraprastha University, New Delhi, DL, India	Wideband circularly polarized Z-shape silicon dielectric resonator antenna for THz applications	2024-25	Scopus	https://doi.org/10.1063/5.0234124
65	Conference paper	Singh Ramveer	AI-Driven VANETs for IoT-Enabled Transportation Systems	2024-25	Scopus	https://doi.org/10.1007/978-3-031-84394-5_13
66	Conference paper	Singh Ramveer	Arduino-Based Wearable Health Monitoring System for Elderly Care Using Internet of Things	2024-25	Scopus	https://doi.org/10.1007/978-3-031-84394-5_8
67	Conference paper	Verma Vandana Rani, Computer Science_Artificial Intelligence (CS_AI) Department	Bio - Medical Waste Management: Deep Learning Approach	2024-25	Scopus	https://doi.org/10.1007/978-3-031-88042-1_8
68	Conference paper	Ranjan Arti	Enhanced Image Deblurring with the Fusion of Generative Adversarial Networks and Transformer Models	2024-25	Scopus	https://doi.org/10.1007/978-3-031-80842-5_19
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71	Conference paper	Bodha Kapil Deo	Optimizing Hybrid Supercapacitor-Battery Storage Systems for Efficient Power Management in Rail Systems Integrated with Renewable Energy Sources	2024-25	Scopus	https://doi.org/10.1051/e3sconf/202561601007
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76	Conference paper	Garg Rishav	Microstructural and Mechanical Properties Enhancement of Nano-modified Concrete	2024-25	Scopus	https://doi.org/10.1007/978-981-96-4898-6_2
77	Conference paper	Pandey Anmol, Electronics and Communication Engineering Greater Noida	A Novel Routing Protocol for UWSN Using Energy Efficient Marine Predator Optimization Technique	2024-25	Scopus	https://doi.org/10.1007/978-981-97-9507-9_25
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81	Conference paper	Katiyar Gauri	A Personal Health Assistant: Chatbot Design for Exercise and Nutrition Support	2024-25	Scopus	https://doi.org/10.1007/978-3-031-78940-3_19
82	Conference paper	Kumar Kiran Dinesh	Cloud Security Using a Decentralized Approach in Healthcare	2024-25	Scopus	https://doi.org/10.1007/978-981-96-3358-6_27
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86	Conference paper	Dixit Mayank	Advancing Urban Analysis through Joint Rooftop Segmentation and Building Height Estimation	2024-25	Scopus	https://doi.org/10.1016/j.procs.2025.03.278
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88	Conference paper	Gupta Harshit	A Novel Approach for Battery and Route Optimization for EV Vehicles	2024-25	Scopus	https://doi.org/10.1109/IC2E365635.2025.11167151
89	Conference paper	Singh Youddha Beer	A Unified Object Detection Framework for Front Vehicle Behavior Prediction using YOLOv5s and Ontology Reasoning	2024-25	Scopus	https://doi.org/10.1109/CICTN64563.2025.10932568
90	Conference paper	Vishnoi Poorva	Automated Disease Detection of Rice Crops Through Video Recognition	2024-25	Scopus	https://doi.org/10.1109/DICCT64131.2025.10986719
91	Conference paper	Murari Krishna	Data Driven Mental Health Predicting Depression Using Machine Learning	2024-25	Scopus	https://doi.org/10.1109/ICDSBS6363.2025.11031961
92	Conference paper	Singh Rohan	Dynamic Gesture Recognition for Sign Language Using Long Short-Term Memory Networks	2024-25	Scopus	https://doi.org/10.1109/ICDT63985.2025.10986698
93	Conference paper	Mishra Asha Rani	EcoParali: A Smart Stubble Management System	2024-25	Scopus	https://doi.org/10.1109/CICTN64563.2025.10932441
94	Conference paper	Upadhyay Harsh Kumar	Enhanced Thermal Object Tracking in Search and Rescue Missions Using Adaptive 3D Kalman Filtering	2024-25	Scopus	https://doi.org/10.1109/DICCT64131.2025.10986725
95	Conference paper	Singh Sidharth K.	Hand Motion Sign Language Detection Using Convolutional Neural Network (CNN) and YOLOv5 Object Detection Framework	2024-25	Scopus	https://doi.org/10.1109/ICDT63985.2025.10986568
96	Conference paper	Dwivedi Anuj Kr	Interactive Agent Foundation Model: A Meta-Learning Strategy	2024-25	Scopus	https://doi.org/10.1109/ISACC65211.2025.10969383
97	Conference paper	Dixit Shivan	Low-Profile Multiband Circularly Polarized Antenna for Indoor/Outdoor Tracking and Sensing Applications	2024-25	Scopus	https://doi.org/10.1109/CSNT64827.2025.10967737
98	Conference paper	Singh Karan Kumar	Physical layer security using visible light communication in 6G network	2024-25	Scopus	https://doi.org/10.1201/9781003532521-93
99	Conference paper	Agarwal Nitin	Scalable Performance Testing for Distributed Big Data Frameworks	2024-25	Scopus	https://doi.org/10.1109/CE2CT6401.1.2025.10939442
100	Conference paper	Sharma Kavita	Strengthening IoT Resilience: A Study on Backdoor Malware and DNS Spoofing Detection Methods	2024-25	Scopus	https://doi.org/10.1109/ESIC64052.2025.10962564
101	Conference paper	Gupta Devansh	Wearable textile monopole antenna for WBAN applications using CMA	2024-25	Scopus	https://doi.org/10.1201/9781003532521-66
102	Conference paper	Kumar, Ajay	Parkinson's Disease Detection System Using Machine Learning Techniques	2024-25	Scopus	https://doi.org/10.1109/ACET61898.2024.10730078
103	Conference paper	Berwal, Parveen	Spatio-Temporal and Accessibility Analysis of Public Transportation System in Delhi	2024-25	Scopus	https://doi.org/10.3233/ATDE241128
104	Conference paper	Bharti, Sunil Kumar	Big Data: A Technical Preview of Technology	2024-25	Scopus	https://doi.org/10.1109/ICACITE60783.2024.10616748
105	Conference paper	Garg, Ajay	An Efficient Hybrid Sequence of Retargeting Operators to Minimize Structural Deformities in Image	2024-25	Scopus	https://doi.org/10.1007/978-3-031-69146-1_40
106	Conference paper	Gupta, Shaswat Saxena, Srishti Verma, Vandna Rani	Facial Emotion Recognition for Virtual Customer Service Agents	2024-25	Scopus	https://doi.org/10.1109/IC3SE62002.2024.10593310
107	Conference paper	Kaur, Inderjeet	Autism spectrum disorder detection using machine learning	2024-25	Scopus	https://doi.org/10.1063/5.0221730
108	Conference paper	Kaur, Inderjeet Kumar, Lucknesh	Detecting Diabetes Retinopathy Through Machine Learning	2024-25	Scopus	https://doi.org/10.1007/978-981-97-1682-1_12
109	Conference paper	Khakhil, Sanjay	An optimized deep learning model for fast and accurate brain tumor segmentation	2024-25	Scopus	https://doi.org/10.1063/5.0221512
110	Conference paper	Kumar, Ajay	HEARTFIT: Heart Disease Prediction Using Machine Learning Techniques	2024-25	Scopus	https://doi.org/10.1109/ACET61898.2024.10730595
111	Conference paper	Kumar, Lucknesh Kaur, Inderjeet	A novel approach for online B-ride-hailing service by Tan-Tum using pre-matching information scheme	2024-25	Scopus	https://doi.org/10.1063/5.0221125

112	Conference paper	Kumar, Rajesh	Investigation of Heat Transfer Enhancement in a Tubular Heat Exchanger Through Experimentation with Alternate Materials	2024-25	Scopus	https://doi.org/10.1007/978-981-97-2716-2_39
113	Conference paper	Kumar, Rajesh Hari	An Active Reconfigurable Mixer in GaN Technology for 5G Power Amplifier Wi-Fi Communications	2024-25	Scopus	https://doi.org/10.1109/PICET60765.2024.10716155
114	Conference paper	Kumar, Rajesh Hari	A 24-32 GHz Single-Chip Harmonic Balance Power Amplifier for 5G MW Application	2024-25	Scopus	https://doi.org/10.1109/PICET60765.2024.10716090
115	Conference paper	Kumar, Sachin Mahendra	The Computer Audit for Health Affordable Housing Based on Data Mining	2024-25	Scopus	https://doi.org/10.3233/ATDE240404
116	Conference paper	Kumar, Sachin Mahendra	Design of Mobile Robot Automatic Navigation System Based on ROS	2024-25	Scopus	https://doi.org/10.3233/ATDE240481
117	Conference paper	Kumar, Sanjay Phani	Advanced Deep Learning for Accurate Detection and Localization of Brain Tumors using MRI	2024-25	Scopus	https://doi.org/10.1109/I3CEET6172.2024.10993533
118	Conference paper	Kushwaha, Arvinda	Machine learning model for cardiovascular disease prediction	2024-25	Scopus	https://doi.org/10.1201/9781032684994-1
119	Conference paper	Pandey, Mahima Shanker	Personalized Assistance Through Artificial Intelligence: Smart Voice Appliances	2024-25	Scopus	https://doi.org/10.1007/978-981-97-6678-9_50
120	Conference paper	Rana, Arun Kumar	Security and Energy Efficiency Enhancement for the Internet of Things: Challenges, Architecture and Future Research	2024-25	Scopus	https://doi.org/10.1007/978-981-99-6755-1_24
121	Conference paper	Rana, Arun Kumar	Secure and Energy-Efficient Framework for Internet of Medical Things (IoMT)-Based Healthcare System	2024-25	Scopus	https://doi.org/10.1007/978-981-99-6755-1_37
122	Conference paper	Rana, Arun Kumar	An Innovative New Open Computer Vision Framework Via Artificial Intelligence with Python	2024-25	Scopus	https://doi.org/10.1007/978-981-99-6755-1_8
123	Conference paper	Rana, Arun Kumar	Bibliometric Exploration of Healthcare Automation and Robotics Through the Lens of the Scopus Database	2024-25	Scopus	https://doi.org/10.1109/ICETEM564.039.2024.10964972
124	Conference paper	Sharma, Kavita	Machine Learning-Based Detection for Distributed Denial of Service Attack in IoT	2024-25	Scopus	https://doi.org/10.1007/978-981-99-4071-4_49
125	Conference paper	Sharma, Kavita	Enhancing Astronomical Understanding Using an NLP-Based Interactive Chatbot	2024-25	Scopus	https://doi.org/10.1007/978-981-97-4228-8_21
126	Conference paper	Sharma, Vishnu Khakhil, Sanjay	A strategic blueprint for integrating artificial intelligence in marketing	2024-25	Scopus	https://doi.org/10.1063/5.0221513
127	Conference paper	Singh, Ravendra	Development and Evaluation of an IoT-Based Gas Leakage Detection System Using Arduino Uno	2024-25	Scopus	https://doi.org/10.1007/978-981-97-3594-5_25
128	Conference paper	Yadav, Sunidhi Saini, Rohit Sahu, Priyanka	Cybersecurity Threats and Countermeasures for IoT Devices	2024-25	Scopus	https://doi.org/10.1007/978-981-97-4228-8_1
129	Conference paper	Yadav, Sunil Kumar Gupta, Neeraj Kumar Tiwari, Shreyash Shukla, Swapnil	Facial Emotion Recognition and Detection	2024-25	Scopus	https://doi.org/10.1109/OTCON6032.5.2024.10687569
130	Conference paper	Singh, Ravendra	Designing of Elemental Elements of Signal Conditioning Using FTFNTA	2024-25	Scopus	https://doi.org/10.1109/ICACITE607.83.2024.10616615
131	Conference paper	Giri, Pulkit Chaudhary, Pranav Tiwari, Pragati Rajkumar Kumar, Kanhaiya	IP & IoT Based Waterbody Surveillance (Monitoring) Process Implementation for Floods Alert System	2024-25	Scopus	https://doi.org/10.1109/ICACITE607.83.2024.10616524
132	Conference paper	Gupta, Shivam Pathak, Somica Singh, Saurabh Singh, Satyam Yadav, Ujjwal	Model Order Reduction of Linear Time Invariant System	2024-25	Scopus	https://doi.org/10.1109/IC3SE62002.2024.10593493
133	Conference paper	Katiyar, Gauri	Biosensor Development in Medical Science for Disease Detection	2024-25	Scopus	https://doi.org/10.1109/INNOCOMP.63224.2024.00039
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