(a) Publications in Refereed/SCI/SCIE/Scopus indexed journals

S. No.	Author Names	Paper Title	Name of the journal	Publication Year	Indexing
1.	Priti Kumari et. al.	An Adaptable Approach to Fault Tolerance in Cloud Computing	International Journal of cloud applications and computing	2023	Scopus
2.	Priti Kumari et. al.	An Optimal Checkpointing with Message Logging Protocol for Fault Tolerance of Distributed Applications in the Cloud Data Center	European Chemical Bulletin Scopus Indexed Journal	2023	Scopus
3.	Priti Kumari et. al.	Effective Cache Placement for Content Delivery Networks in Fog Computing	International Journal of Performability Engineering, 2024, Vol 20, Issue 1, p10 ISSN 0973-1318 Publication type Academic Journal DOI 10.23940/ijpe.24.01.p2.1017	2024	Scopus
4.	Vandana Dubey et. al.	Heart Disease Prediction Using Machine Learning	European Chemical Bulletin Scopus Indexed Journal	2023	Scopus
5.	Vandana Dubey et. al.	An Optimal Checkpointing with Message Logging Protocol for Fault Tolerance of Distributed Applications in the Cloud Data Center	European Chemical Bulletin Scopus Indexed Journal	2023	Scopus
6.	Sachin Kumar et.al.	Performance evaluation of ResNet model for classification of tomato plant disease	Epidemiol. Methods 2023; 12(1): 20210044 https://doi.org/10.1515/em-2021-0044	2023	Scopus
7.	Sachin Kumar et.al.	Energy-efficient model "DenseNet201based on deep convolutional neural network "using cloud platform for detection of COVID-19 infected patients	Epidemiol.Methods2023;12(1):20210047 https://doi.org/10.1515/em-2021-0047	2023	Scopus
8.	Sachin Kumar et.al.	Gold Price Forecasting In India Using Arima Model On Cloud Platform	IJCRT ISSN: 2320-2882	2023	Refereed
9.	V. Dubey et. al.	Implementation of Fuzzy Rule-Based Inference System for Adaptive Movie Recommendation System,	Computer Integrated Manufacturing Systems	2022	Scopus
10.	Sachin Kumar et.al.	Energy- efficient model "Inception V3 based on deep convolutional neural network" using cloud platform for detection of COVID-19 infected patients	Epidemiol. Methods 2023; 12(1): 20210046 https://doi.org/10.1515/em-2021-0046	2022	Scopus

11.	Sachin Kumar et.al.	Energy and Cost Efficient Pre-Trained Convolutional Neural Network (ResNet-50) Model for Tomato Disease Recognition Using Cloud Platform	NeuroQuantology	2022	Scopus
12.	Priti Kumari et. al.	Implementation of Fuzzy Rule-Based Inference System for Adaptive Movie Recommendation System,	Computer Integrated Manufacturing Systems	2022	Scopus
13.	Sachin Kumar et.al.	COVID-19 Disease Detection using Pre-Trained Deep Convolutional Neural Network (GoogleNet) on Cloud Platform	NeuroQuantology	2022	Refereed
14.	Sachin Kumar et.al.	Energy Efficient Model for Cloud Computing	IJAEMA	2022	UGC care
15.	Kavita Patel et. al.	Energy and Cost Efficient Pre-Trained Convolutional Neural Network (ResNet-50) Model for Tomato Disease Recognition Using Cloud Platform	NeuroQuantology	2022	Scopus
16.	Kavita Patel et. al.	Effective Cache Placement for Content Delivery Networks in Fog Computing	International Journal of Performability Engineering, 2024, Vol 20, Issue 1, p10 ISSN 0973-1318 Publication type Academic Journal DOI 10.23940/ijpe.24.01.p2.1017	2024	Scopus
17.	P. Kumari et. al.	Check pointing Algorithms for Fault-Tolerant Execution of Large-Scale Distributed Applications in Cloud	Wireless Personal Communications	2021	SCI
18.	P. Kumari et. al.	A survey of fault tolerance in cloud computing,	Journal of King Saud University-Computer and Information Sciences	2021	SCI
19.	A. Mohan et. al.	A New Mask R-CNN-Based Method for Improved Landslide Detection	IEEE Journal of selected in applied earth observations and remote sensing	2021	SCI
20.	A. Mohan et. al.	Selective encryption and optimization-based watermarking for robust transmission of landslide images	Computers and Electrical Engineering Journal, Elsevier	2021	SCI
21.	V. Dubey et. al.	Issues Confronted by Street Food Vendors During COVID-19 First Wave in India- Word Cloud Analysis	Webology	2021	Scopus
22.	V. Dubey et. al.	FPGA Implementation of Neural Network Digital Systems	Design Engineering	2021	Scopus

23.	V. Dubey et. al	Traffic Sign Detection and Recognition Using Deep learning based- Convolutional Neural Network Algorithm	Recent Trends in Electronics and Communication Systems	2021	Refereed
24.	V. Dubey et. al	Optimized Even/Odd Parity Generator/Checker Circuits with Reversible Logic Approach	International Journal of Advanced Science and Technology	2020	Scopus
25.	V. Dubey et. al	An Optimized QCA Implementation Approach for Half Adder Circuit	Journal of Xidian University	2020	Scopus
26.	Yadav RS et. al	A Case Study on Diagnostics of Medical Data Set to Detect the Outliers in Systolic Blood Pressure using Machine Learning Approach	Drugs and Cell Therapies in Hematology	2021	Scopus
27.	P. Kumari et. al.	Topology-aware virtual machine replication for fault tolerance in cloud computing systems	Multiagent and Grid Systems	2020	Scopus
28.	P. Kumari et. al.	Connected Data Set-based Virtual Machine Replication in Cloud Computing,	International Journal of Performability Engineering	2020	Scopus
29.	A. Mohan et. al.	Review on remote sensing methods for landslide detection using machine and deep learning	Transactions on emerging telecommunication technologies, John wiley& Sons	2020	SCI
30.	P. Kumari et. al.	Connected Data Set-based Virtual Machine Replication in Cloud Computing,	International Journal of Performability Engineering	2020	SCI
31.	Ramjeet Singh Yadav et al	A Case Study on Diagnostics of Medical Data Set to Detect the Outliers in Systolic Blood Pressure using Machine Learning Approach	Drugs and Cell Therapies in Hematology, (ISSN: 2281-4876), Volume 10, Issue 1, pp. 1253- 1261, (2021).	2021	Web of Science and UGC Listed).
32.	Ramjeet Singh Yadav et al	A Study of Soft Computing Techniques in Chemical Reactions	INFOCOM Journal of Computer Science, (E-ISSN: 1982-3363), 20, 1, pp.121-131, (4 June, 2021)	2021	UGC Listed
33.	Ramjeet Singh Yadav et al	Mathematical Modeling and Simulation of SIR Model for COVID-2019 Epidemic Outbreak: A Case Study of India	INFOCOM Journal of Computer Science, 19, 2, pp. 1-9, (1 December, 2021) and medRxiv (preprint with DOI:10.1101/2020.05.15.20103077). (No. of Citation: 05)	2021	UGC Listed
34.	Ramjeet Singh Yadav et al	Data analysis of COVID-2019 epidemic using machine learning methods: a case study of India	International Journal of Information Technology (Springer) 12, no.2, pp. 1321–1330,2020. (DOI: 10.1007/s41870-020-0484-y) (No. of Citation: 28).	2020	Listed UGC and SCOPUS
35.	Navin Mani Upadhyay, et al	Role of LIS Professionals to provide authentic information sources during COVID-19 a Pandemic crisis.	Library Philosophy & Practice	2020	Scopus

36.	Navin Mani Upadhyay, et al	Power aware routing in mobile ad hoc networks by using power aware matrices	Int. J. Comput. Appl	2020	SCI
37.	Alka Singh, et al	Adoption o Proprietary online Exam proctoring software Using Multimedia Analytics System	International Journal of Mobile Computing Technology, Volume 1, Issue 1 DOI : 10.37591/IJMCT	2023	UGC Listed
38.	Alka Singh, et al	Mensmaven, a Fashion Blog and Thrift Store	International Journal of Inormation Securit Engineering, Volume 1, Issue 1 DOI :10.37591/IJISE	2023	

Book Chapters/Books
Table 5.7 (b) List of Book Chapters

S. No.	Author Names	Chapter Title/Book Title	Publisher	Year
1.	Editor: Priti Kumari, V. Dubey et.al.	Book Title: Advance Statistical and Computational Techniques in Interdisciplinary Research	D.P.S. Publication House	2023
2.	Priti Kumari, V. Dubey et.al.	Checkpoint Snapshot Placement in the Cloud Data Center Using Fuzzy Inference System	Book Chapter, Springer, Print ISBN 978-981-99-0972-8, Online ISBN 978-981-99-0973-5, Vol 1024, pp. 585–595, 2 Jul 2023	2023
3.	Priti Kumari, V. Dubey et.al.	Wearable Technology Concepts, Classification and Applications	Book Chapter, CRC Press	2023
4.	Priti Kumari, V. Dubey et.al.	Intellectual Movie recommendation system using supervised machine learning method	Springer	2023
5.	Priti Kumari ei.al.	IoT Integration of Things with 5G &6G Wireless Technologies	CRC Press ISBN : 978-1-032-55204-0	2024
6.	A. Mohan et. al.	IOT for landslides: Applications, Challenges and Technologies	Paradigms of Smart and Intelligent Communication, 5G and Beyond, Springer, Singapore	2023
7.	S.Kumar et.al	Energy-Efficient Model (ARIMA) for Forecasting of Modal Price of Cod Pea Using Cloud Platform	Springer Nature Singapore	2023
8.	S.Kumar et.al	To Detect Spammer from Image-Based Spam E-mail through Adjacent-Duplicate Technique	IEEE	2022
9.	S.Kumar et.al	An Energy & Cost-Efficient Task Consolidation Algorithm for Cloud Computing Systems	Springer Nature Switzerland	2022
10.	S.Kumar et.al	Energy Efficient Model for Balancing Energy in Cloud Datacenters Using Dynamic Voltage Frequency Scaling (DVFS) Technique	Springer Nature Singapore	2022

S. No.	Author Names	Paper Title	Publisher	Year
11.	Kavita Patel et. al.	Education Sector an application of IoT	Notion Press	2022
12.	V. Dubey et.al.	Delivering Green Supply Chain Using Blockchain Technology for Sustainable Environment: A Survey	Book Chapter, Springer, Print ISBN: 978-981-15-9926-2, Online ISBN: 978-981-15-9927-9, Vol 1286, pp. 759-768,	2021
13.	V. Dubey et.al.	Study and Design of a Novel Half Adder Circuit Using QCA Gates with Optimized Parameters	Book Chapter, Springer Print ISBN: 978-981-16-2760-6, Online ISBN: 978-981-16-2761-3	2021
14.	Kavita Patel et. al.	Artificial Intelligence and IoT Smart Agriculture	CRC Press ISBN 979-888951976-8	2024
15.	Dr. Ramjeet Singh Yadav	Application of soft computing techniques to calculation of medicine dose during the treatment of patient: a fuzzy logic approach	Handbook of Computational Intelligence in Biomedical Engineering and Healthcare, Academic Press: Elsevier (Chapter 6), pp. 151-178, (2021). ISBN: 978-0-12-822260-7. Publisher: Elsevier Science Publishing Co Inc	2021

(c) Conference Proceedings
Table 5.7 (c) Publications in National/International conferences Proceedings:

S. No.	Author Names	Paper Title	Conference Name /Book chapter	Year
1.	Priti Kumari el. al	Efficient use of Block Chain for crowdfunding platform	ACM IC3, JIIT, NOIDA	2023
2.	Priti Kumari el. al	Content Replica Placement method for fault tolerance in Fog Computing Environment	IEEE Word Conference, AIC 2023	2023
3.	Priti Kumari el. al	CNN-Based Model for Real-Time Identification of Face Masks	IC4S'05 Volume 1, Springer Nature	2024
4.	Vandana Dubey	Content Replica Placement method for fault tolerance in Fog Computing Environment	IEEE Applied Intelligence & Computing 2023	2023
5.	A.K.Maurya et.al.	Sensors Based Advanced Bluetooth Pulse Oximeter System	IESM	2022
6.	A.K.Maurya et.al.	Quantum computing a preliminary knowledge	IESM	2022
7.	A.K.Maurya et.al.	the study and analysis of customer behaviour for e-retaling using data mining techniques	IESM	2022
8.	A.K.Maurya et.al.	Natural language processing in todays world	IESM	2022
9.	A.Srivastava et.al.	Natural Language Processing in Today's	IESM	2022
10.	A.Srivastava et.al.	Sensors Based Advanced Bluetooth Pulse Oximeter System	IESM	2022
11.	A.Srivastava et.al.	Secure Computational Outsourcing: A Survey	IESM	2022
12.	A.Srivastava et.al.	The study and analysis of customer behavior for E-Retaling: Using Data	IESM	2022

		Mining Techniques		
13.	A.Mukherjee et.al.	Quantum Computing: A Preliminary Knowledge	IESM	2022
14.	A.Mukherjee et.al.	Migration of Virtual Machines using Cloud Computing	IESM	2022
15.	A.Kumar et al	Sensor based advanced Bluetooth Pulse oximeter system	IESM	2022
16.	A.Kumar et al	Quantum Computing: A Preliminary Knowledge	IESM	2022
17.	S.Kumar et.al	Efficient Machine Learning Technique for Credit Card Fraud Detection	IESM-2022 Page No:44-47 ISBN:978-81-956917-0-8	2022
18.	S.Kumar et.al	Application of IOT in Education Sector	IESM-2022 Page No:53-56 ISBN:978-81-956917-0-8	2022
19.	S.Kumar et.al	Migration of Virtual Machines Using Cloud Computing	IESM-2022 Page No:62-64 ISBN:978-81-956917-0-8	2022
20.	S.Kumar et.al	Brain Tumour Detection from MRI Images Using Deep Learning Techniques	IESM-2022 Page No:319-323 ISBN:978-81-956917-0-8	2022
21.	S.Kumar et.al	Deep Learning Technique for Classification of Medical Images on Cloud Platform	NSESMP-2022	2022
22.	V. Dubey et.al.	Comparison of Diagnosis of Hypothyroidism by Detection of Anomaly in Hormonal Behavior Using Clinical Data with Different Artificial Intelligence Methods	ACTSE	2021
23.	A. Mohan et. al.	Image Restoration of Landslide Photographs Using SRCNN	VCAS 2020, Springer	2020
24.	Kavita Patel et. al.	To Detect Spammer from Image-Based Spam E-mail through Adjacent-Duplicate Technique	IEEE International Conference on Knowledge Engineering and Communication Systems (ICKES)	2022
25.	Kavita Patel et. al.	Migration of virtual machines using cloud computing	IESM	2022
26.	Kavita Patel et. al.	Application of IoT in Education Sector	IESM	2022
27.	Priti Kumari et. al.	Virtual Machine Replication in the Cloud Computing System Using Fuzzy Inference System	ICDAM	2020
28.	Priti Kumari et. al.	Comprehensive Study of Convolutional Neural Networks (CNN): Deep Learning Technique	IESM	2022
29.	Priti Kumari et. al.	Information Retrieval Using Data Structure	IESM	2022
30.	Priti Kumari et. al.	Conceptual Understanding of Deep Learning Theory and Techniques	IESM	2022
31.	Priti Kumari et. al.	Machine Learning based model for predicting failure of physical machines in the cloud computing	(FlexEV-2022), Springer	2022
32.	Priti Kumari et. al.	Nitty-Gritty of Machine Learning and It's Techniques	IESM	2022

33.	Priti Kumari et. al.	Blockchain Technology and Architecture: A Systematic Review	IESM	2022	
34.	Priti Kumari et. al.	A Review on Recommendation System	IESM	2022	
35.	Kavita Patel et.al	CNN-Based Model for Real-Time Identification of Face Masks	IC4S'05 Volume 1, Springer Nature	2024	
36.	V. Dubey et.al.	Study of Cyber Security Threats in Today's Pandemic World	e-ICOTII	2020	
37.	Kumari soni et. al.	A Topology Based Address Selection Technique for Network Virtualization Environment	ICCAN 2019, Springer	2020	

Patents by faculty member

Table 5.7 (d) Patents by faculty members

S. No.	Name of Faculty	Patent Application Number	Inventor/s Name	Status/Date Granted	Title of the Patent
1	Dr. Priti Kumari,	202311002492	Vandana Dubey et. al.	Published/ 20 January 2023	Broadcasting of Message Using social media in the Scenario of Emergency
		202211064723	Priti Kumari et. al.	Published/ 02 December 2022	System and method for automatic load balancing for cloud servers
		202211057696	Priti Kumari et. al.	Published/ 28 October 2022.	'A Smart System for Real Time Monitoring of Crop Fields Using Night Vision and Sonic Sensors
		2022/12954	Priti Kumari et. al.	Granted/ 22nd February 2023	A Method for Fault Tolerance in Fog Computing Network Using Classification and Replication
	Dr. Vandana Dubey	2022/05270	Vandana Dubey et. al.	Granted/ 28 October 2022	A Device and a Method for Designing Reversible Realization of 2:4 Decoder Circuit
		6287788	Vandana Dubey et. al.	Granted/ 15th Jun 2023	A detachable Apparatus for

				Coloured-Blindness in ATM Machine
	202211004045	Vandana Dubey et. al.	Published/04 Feb 2022	"A Reversible Logic Circuit DSMT Gate"
2	Sachin Kumar et.al	202341015454	Sachin Kumar et.al	Published 17/03/2023	Teaching potential and difficulties with modern cloud computing in the digital humanities and in technical and professional communication