

: FACULTY DETAILED RESEARCH DATA:

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No. of Publication : added to the previous list

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VIDWAN ID: 120358

SCOPUS ID: 55495176500

WoS Researcher Id: ABF-6262-2020

IEEE: <https://ieeexplore.ieee.org/author/37404733200>

Google Scholar ID: PAmvmTsAAAAJ

Journal Publication: 33

Sl no	Type of Journal	DOI No.	Name of the Article	Name of the Author	ISSN No.
1	Journal of Engineering Education Transformation (JEET)- Scopus	https://doi.org/10.53555/kuey.v30i3.3669	Interactive Low-Cost Virtual Learning Device NOODLE to get rid of Digital Divide in Outcome Based Education	Alok Roy, S.Gupta	ISSN 2349-2473, eISSN 2394-170, Volume 38, No. 4 , April 2025
2	JEET -Scopus	https://doi.org/10.16920/jeet/2025/v38is2/25075	Students Activity Recognition through Machine Learning Approaches	N. Chaudhuri, S.Gupta	ISSN 2349-2473, Vol. 38, Issue. 2, pp. 507-512 2025
3	JEET -Scopus	https://doi.org/10.16920/jeet/2025/v38is2/25076	Illustrative Rubric for Accreditation Research Methodology	M. Mukherjee, K. Rajhans, S. Gupta	ISSN 2349-2473, Vol. 38, Issue. 2, pp. 513-519, 2025
4	JEET -Scopus	10.16920/jeet/2024/v37is2/24036	Technology Enhanced Learning driven music inspired LEARN with NOODLE model for inclusive education	S. Gupta, P. Das, B. Neogi, A. Roy, M. Sur, M. Maity, T. Majumder,	ISSN 2349-2473, Vol. No: 37, sp. Issue. 2, pp. 156-164, 2024
5	Baghdad Science Journal - ESCI, Scopus	https://doi.org/10.21123/bsj.2024.9973	An Ensemble Model for Predicting Cardiovascular Disease utilizing Nature Inspired Optimization	A.B. Majumder, S.Gupta, D.Singh, S. Majumder	ISSN: 2411-7986, Vol. 21, Issue: 12, First online version, 2024
6	MDPI: Algorithms -ESCI, Scopus	https://doi.org/10.3390/a16120538	Heart Disease Prediction Using Concatenated Hybrid Ensemble Classifiers	A.B. Majumder, S.Gupta, D.Singh, S. Majumder	1999-4893, Volume 16, No. 12. Pp. 1-19, 2023 IF 2.3
7	Science Engineering and Health Studies (SEHS) -Scopus	https://doi.org/10.69598/sehs.18.24050007	Intelligent healthcare for cardiac patients utilizing neural networks, k-	A.B. Majumder, S.Gupta, D.Singh, S. Majumder	ISSN 2630 – 0087, Vol. 18, 2405007, pp.1-12, 2024

			means clustering, and ad hoc routing		
8	Journal of Information Systems Engineering and Management - Scopus	https://doi.org/10.52783/jisem.v10i37s.6382	Modelling Friendship Dynamics in Social Networks: A Graph Theoretic and Computational Approach	M.K. Srivastav, S. Gupta, S. Som	ISSN: 2468-4376, Vol. 10, No. 37s, pp.90-108, March 2025
9	International Journal of Research in Marketing Management and Sales, (IJRMMS)	https://doi.org/10.33545/5/26633329.2024.v6.i1b.160	Auto-Sales: A Machine Learning and Data Mining driven Business Analytics System	UG Students A. Roy, N. Dey, J. Chakraborty, A.K. Prasad, P. Chakraborty, S. Gupta	ISSN: 2707-6636, Vol. 5, No. 1, pp.1-10, 2024.
10	International Journal of Computing, Programming and Database Management (IJCPDM)	https://doi.org/10.33545/27076636.2024.v5.i1a.86	Predictive Analytics driven time oriented prioritized Task Assistant under the framework of Machine Intelligence	UG students I. Paul, A. Roy, Md. R. Khan, M. Mondal, S. Gupta	ISSN: 2663-3337, Vol. 6, No. 1, pp.120-124, 2024.
11	Indian Journal of Natural Sciences (IJONS)-WoS	Combined DoI	Performance Analysis of Different Feature Selection Methodologies in Classification of COVID-19 with Detail Feature Analysis	A. Banerjee Majumder, S. Gupta, D. Singh	ISSN: 0976 -0997, Vol-15 Issue-84 pp 74634-74641, 2024
12	Indian Journal of Natural Sciences (IJONS)-WoS	Combined DoI	Genetic Algorithm Inspired Intelligent COVID-19 Prediction Model using Data Mining	A. Banerjee Majumder, S. Gupta, D. Singh	ISSN: 0976 -0997, Vol: 14, Issue: 79, pp, 58969 - 58978, 2023
13	Indian Journal of Natural Sciences (IJONS) - WoS	Combined DoI	Heart Disease Prediction using Machine Learning and Multi Agent Systems	C.Thakur, S.K. Gupta, S. Gupta	ISSN: 0976 -0997, Vol: 15, Issue: 84, pp, 75972-75980, 2024
14	Indian Journal of Natural Sciences (IJONS) - WoS	Combined DoI	Heart Disease Prediction using Artificial Neural Network and Multi Agent Systems	C.Thakur, S.K. Gupta, S. Gupta	ISSN: 0976 -0997, Vol: 15, Issue: 87, pp 85374-85384 , 2024.
15	Indian Journal of Natural Sciences (IJONS) - WoS	Combined DoI	Utilizing a Decision - Centric Framework in Social Networks to Predict user Engagement with Boolean Comments	M.K. Srivastav, S.Gupta, S.Som	ISSN: 0976 -0997, Vol: 15, Issue: 88, pp 89384-89397, 2024.
16	Indian Journal of Natural Sciences (IJONS) - WoS	Combined DoI	Cleaning of Cache Files of Mobile Devices	A. Datta, S.Gupta, S.Som	ISSN: 0976 -0997, Vol: 15, Issue: 87, pp 85374-85384 , 2024.
17	Indian Journal of Natural Sciences (IJONS) - WoS	Combined DoI	Approximate measure of class response through Content Based Video Retrieval using Digital Image Processing under the framework of Machine Intelligence	N. Chaudhuri, S. Gupta, S. Banik, S. Das, R. Singh,	ISSN: 0976 -0997, Vol 14, Issue: 81, pp. 65915-65921, 2023
18	Grenze International Journal of Engineering and Technology,	https://thegrenze.com/index.php?display=page&view=journaldetails&id=8	Enhanced Human Action Recognition Using the AdaBoost Algorithm: A Comprehensive Analysis	N. Chaudhuri, S. Gupta	ISSN: 2395-5295, Volume 11, Issue:1, pp. 2435-2444, 2025

19	Grenze International Journal of Engineering and Technology,	https://thegrenze.com/index.php?display=page&view=journaldetails&id=8	Sigma LFSR based security framework for fees payment transaction online through hand held devices”,	A. Datta, S.Gupta, S.Som,	ISSN: 2395-5295, Volume 11, Issue:1, pp. 2123-2129, 2025
20	Grenze International Journal of Engineering and Technology,	https://thegrenze.com/index.php?display=page&view=journaldetails&id=8	Sentiment Analysis in Student Engagement on Social Networks	M.K. Srivastav, S.Gupta, S.Som	ISSN: 2395-5295, Volume 11, Issue:1, pp. 2153-2160, 2025,
21	Grenze International Journal of Engineering and Technology,	https://thegrenze.com/index.php?display=page&view=journaldetails&id=8	NOODLE extension with music and aroma: Creating comfort zone for optimal knowledge transfer	A.Roy, S.Gupta, R.K. Mondal,	ISSN: 2395-5295, Volume 11, Issue:1, pp. 2108-2115, 2025
22	Grenze International Journal of Engineering and Technology,	https://thegrenze.com/index.php?display=page&view=journaldetails&id=8	Autism Spectrum Disorder: Toddlers learning privacy in social network with specially designed device	D. Barik, S.Gupta, S.Som,	ISSN: 2395-5295, Volume 11, Issue:1, pp. 2137-2144, 2025
23	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i1.8148	Enhancing Music Classification: Machine Learning Approaches to Song Type Recognition	P. Das, S. Gupta, B. Neogi	ISSN 2148-2403, Vol. 30, No. 1, pp. 4718 – 4724, 2024
24	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i1.8149	Noodle: An Innovative, Affordable Virtual Learning Device for Inclusive Education	A. Roy, S.Gupta, P.Das, R.K.Mondal,	ISSN 2148-2403, Vol. 30, No: 1, pp. 4664-4674, 2024
25	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i1.7969	Ubiquitous Hand held device’s SIGMA LFSR driven security model	Atanu Datta, S. Gupta, S. Som	ISSN 2148-2403, Vol. 30, No: 1, pp. 4488 - 4492,
26	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i3.3669	Machine Learning driven healthcare through online Gym under the framework of Artificial Life	S. Bhowmik, A. Mandal, A. Bose, S. Singha Roy, A. Vishwakarma, S. Gupta	ISSN 2148-2403, Vol: 30, No.3, pp. 2215-2225, 2024
27	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i3.3684	Intelligent System with Food and Nutrition criterion	M. Chowdhury, S. Ghosh, S. Gupta,	ISSN 2148-2403, Vol: 30, No.3, pp. 2244-2253,
28	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i1.9576	Analyzing Interest-Based Homophily in Online Social Networks Using Community Detection Methods	M.K. Srivastav, S.Gupta, S.Som	ISSN 2148-2403, Vol. 30, No: 1, pp. 6258-6278, 2024
29	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i1.9575	OPTIMIZING EARLY AUTISM DETECTION IN TODDLERS: A HYBRID APPROACH UTILIZING ANT COLONY AND PARTICLE SWARM INTELLIGENCE	D. Barik, S. Som, S. Gupta,	ISSN 2148-2403, Vol. 30, No, 1, pp. 6314-6328, 2024
30	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.5355/5/kuey.v30i2.10375	A Robust Silhouette-Based Human Action Recognition System Using Template Matching”,	N. Chaudhuri, S. Gupta,	ISSN 2148-2403, Vol. 30, No. 1, pp. 1995-2000, 2024

31	Educational Administration: Theory and Practice -Scopus	https://doi.org/10.53555/kuev.v30i2.9606	Integrating Motion and Shape Analysis for Robust Human Action Recognition Using Spatio-Temporal Dynamic	N. Chaudhuri, S. Gupta,	ISSN 2148-2403, Vol. 30, No. 1, pp. 1870-1878, 2024
32	Indian Journal of Science and Technology (IJST) -WoS	https://doi.org/10.17485/IJST/v16i41.1756	An Advanced Model to Predict Heart Disease applying Random Forest Classifier and Whale Optimization Algorithm	A. Banerjee Majumdar, S. Gupta, D. Singh, S. Majumder,	ISSN: 0974-6846, Vol. 16, No. 43, pp. 3679 - 3690, 2023
33	Indian Journal of Science and Technology (IJST) -WoS	https://doi.org/10.17485/IJST/v16i34.1004	An optimized Model for Heart Disease Prediction with Customized Ensemble Voting Classifier and Nature Inspired Optimization	A. Banerjee Majumdar, S. Gupta, D. Singh, S. Majumder,	<i>Indian Journal of Science and Technology (IJST)</i> , ISSN: 0974-6846, Vol. 16 No. 34 pp. 2719-2729, 2023

Book Chapter Publication: 20

Sl no	DOI No.	Name of the Article	Name of the Author	ISBN No.	Remarks
1	https://doi.org/10.1109/DABCon63472.2024.10919420	Utilizing Social Network Analysis to Model Social Media Post Popularity with Bayesian Belief Networks	M.K. Srivastav, S. Gupta, S.Som,	ISBN: 979-8-3503-7804-7	IEEE Xplore <i>International Conference on Big Data Analytics in Bioinformatics (DABCON-24)</i>
2	https://doi.org/10.1109/ICMCSI61536.2024.00042	A Heart Disease Prediction Model using Merged XGBoost-SVM Classifier and Particle Swarm Optimization	A. Banerjee Majumdar, S. Majumdar, S. Gupta, D. Singh	979-8-3503-9523-5/24	IEEE Xplore <i>Proceedings - 2024 5th International Conference on Mobile Computing and Sustainable Informatics, ICMCSI, Nepal</i>
3	https://doi.org/10.1007/978-981-96-1348-9_10	Emotion Recognition System using Indian Music for Therapeutic Cause	P. Das, S. Gupta, B.Neogi	978-981-96-1347-2	Springer , Smart Innovations, Systems and Technologies (through SSWC 2024)
4	https://doi.org/10.1007/978-981-96-6303-3	The concept of detecting Autism Spectrum Disorder in Toddlers through Quantum inspired algorithms	D. Barik, S. Gupta S.Som	Accepted, In Press	Springer Lecture Notes in Network and Systems (through ICIDA 2024)
5	https://doi.org/10.1007/978-3-031-56481-9_6	Utilizing Degree Centrality Measures for Product	M.K. Srivastav, S. Gupta,	978-3-031-56481_9_6	Springer Lecture Notes in Business Information

		Advertisement in Social Networks	V.M. Priyadarshini, S. Som, B. Acharya , V.C.Gerogiannis , A.Kanavos , J. Karamitsos,		Processing (Through Mediterranean Conference EMCIS2024)
6	https://onlinelibrary.wiley.com/doi/epdf/10.1002/9781394268917.ch5	Securing the Future: Emerging Threats and Countermeasures in Cryptography	D. Ghosh, K. Ghosh, C. Chakraborty, A. Datta, S. Gupta,	ISBN: 978-1-1197-6163-1	Securing the Digital Frontier, K. Sharma Eds. Wiley -Scrivener pub. LLC, Chapter 5, pp. 91-108, 2025VB
7	https://doi.org/10.1201/9781003643166	Analyzing Trust Relationships within Social Networks: A Comprehensive Study	D. Barik, S. Gupta, S. Som	9781003 643166	Chapter 12, Society 5.0: A transformation towards Human centered AI, CRC Press, Taylor and Francis , 2025
8	https://doi.org/10.1201/9781003643166	Evaluation of Autism Screening Tools for Toddlers: A Comparative Approach	M.K. Srivastav, S. Gupta, S.Som,	9781003 643166	Chapter 6, Society 5.0: A transformation towards Human centered AI, CRC Press, Taylor and Francis , 2025
9	DOI: https://doi.org/10.1201/9781003596745	Exploring Influence Score Determinants in Social Network Analysis and Clustering via K-Means Algorithm	M.K. Srivastav, S. Gupta, S. Som,	978-1-032-98036-2,	<i>Recent Advancements in Computational Intelligence and Design Engineering</i> Routledge CRC Press, Taylor & Francis , Chapter 28, pp. 191-199, 2025
10	DOI: https://doi.org/10.1201/9781003596745	Addressing security challenges of Payment Systems in hand-held devices	A. Datta, S. Gupta, S. Som	978-1-032-98036-2,	<i>Recent Advancements in Computational Intelligence and Design Engineering</i> Routledge CRC Press, Taylor & Francis , Chapter 26, pp. 177-181 2025
11	DOI: https://doi.org/10.1201/9781003596745	ATbot: Data Science driven Intelligent System for improved Trading Strategies	K.Ghosh, A. Deb, R.K. Mandal, S. Gupta,	978-1-032-98036-2,	<i>Recent Advancements in Computational Intelligence and Design Engineering</i> Routledge CRC Press, Taylor &

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12	DOI: https://doi.org/10.1201/9781003596745	Application of Machine Learning to detect speech emotions	D. Dasgupta, S. Daw, S. Chakraborty, A. Chakraborty, S. Gupta	978-1-032-98036-2,	<i>Recent Advancements in Computational Intelligence and Design Engineering</i> Routledge CRC Press, Taylor & Francis , Chapter 27, pp. 182-190, 2025.
13	DOI: https://doi.org/10.1201/9781003596745	Smell sensing and actuation using embedded device over the network	S. Shaha, S. Gupta,	978-1-032-98036-2,	<i>Recent Advancements in Computational Intelligence and Design Engineering</i> Routledge CRC Press, Taylor & Francis , Chapter 21, pp.130-135, 2025.
14	DOI: https://doi.org/10.1201/9781003596745	Design and development of an automated prototype machine for grass cutting and seed sowing	K. Mandal, S. Gupta	978-1-032-98036-2,	<i>Recent Advancements in Computational Intelligence and Design Engineering</i> Routledge CRC Press, Taylor & Francis , Chapter 19, pp. 119-121, 2025.
15	https://doi.org/10.22271/ed.book.2972	Exploring USB security of Hand-held Devices	A. Datta, S. Gupta, S. Som	ISBN 978-93-6135-962-0	Fusion of Minds: Multidisciplinary Research in Emerging Technologies, pp. 339-350, 2024
16	https://doi.org/10.22271/ed.book.2972	Geo locational data analysis using Machine Learning	S. Dutta Ghoshal, S. Gupta	ISBN 978-93-6135-962-0	Fusion of Minds: Multidisciplinary Research in Emerging Technologies , 285-297, 2024
17	https://doi.org/10.22271/ed.book.2972	Anti-Fraud System for Online Card Transaction using Machine Learning and Data Science	R. Maity, S.Gupta,	ISBN 978-93-6135-962-0	Fusion of Minds: Multidisciplinary Research in Emerging Technologies, pp. 299-315, 2024,
18	https://doi.org/10.22271/ed.book.2972	Prediction of Vehicular Accidents Using	.P. Pradhan, S.Gupta	ISBN 978-93-6135-962-0	Fusion of Minds: Multidisciplinary Research in Emerging

		Machine Learning			Technologies, pp.317-337, 2024
19	https://doi.org/10.22271/ed.book.2972	Smell sensing and actuation using Embedded Devices	S.Shaha, S.Gupta	ISBN 978-93-6135-962-0	Fusion of Minds: Multidisciplinary Research in Emerging Technologies, pp.273-284, 2024
20	Awaited	Social Network Security for specially designed device to train Toddlers	D. Barik, A.Roy, M.K. Stivastav, A. Datta, S. Som, S. Gupta,	Presented In Press	In proc of ICBITS 2024, San Jose State University, USA

Other Publication Details (if any)

Patents

1. Published patent entitled “Interactive Technology driven Low-cost Virtual learning Devices NOODLE for equity to address digital divide”, (Appl. No. 202331012519A) published on 10th March 2023.(Joint) [SVU]
2. Published patent entitled “MUSIC THERAPY DEVICE FOR DEAF AND DUMB”, (Appl. No. 202331085483 A) published on 19th January 2024.(Joint)
3. Published patent entitled “Robotic vehicle using ATMEGA328 microcontroller, ultrasonic sensor and Bluetooth for wireless control and data feedback, obstacle avoidance and autonomous manoeuvres with precise area scanning”, (Appl. No. 202431006559 A) published on 9th February 2024. (Joint) [SVU]
4. Published patent entitled “Hybrid Compiler”, (Appl. No. 202431039789 A) published on 19th July 2024. (Joint) [SVU]
5. Published patent entitled “ROBAL: A robotic vehicle with auto balancing”, (Appl. No. 202431040106 A) published on 9th August 2024. (Joint) [SVU]
6. Published patent entitled “Smell sensing and actuation using embedded device over the network”, (Appl. No. 202431040109 A) published on 9th August 2024. (Joint) [SVU]
7. Published patent entitled “SHARP: A compiler incorporating auto-debugger with floating point arithmetic and Variable length of data”, (Appl. No. 202431056805 A) published on 9th August 2024. (Joint) [SVU]
8. Published patent entitled “Crime Pattern analysis and rate prediction”, (Appl. No. 2024310993827 A) published on 6th December 2024. (Joint) [SVU]
9. Published patent entitled “Data Analysis using Machine Learning on geolocational data”, (Appl. No. 2024310994195 A) published on 6th December 2024. (Joint) [SVU]
10. Published patent entitled “Heart disease prediction from symptom analysis using machine learning”, (Appl. No. 202431095834 A) published on 13th December 2024. (Joint) [SVU]