

PANIMALAR ENGINEERING COLLEGE

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DEPARTMENT OF INFORMATION TECHNOLOGY

YEAR	TOTAL JOURNAL PAPERS	JOURNAL PUBLICATION					
		WOS (SCI/ESCI)	SCOPUS	QUARTILES RANKING			
				Q1	Q2	Q3	Q4
2025-2026	28	16	12	8	6	4	10

S. N.	Name of the Faculty	All Authors Name (As Mentioned in the Article)	Title of the Paper	Journal Name & Publisher	Vol, Issue, Page No, Month, Year of publication & ISSN No.	DOI	Impact Factor & Quartiles Ranking	Indexed in SCIE/ESCI/SCOPUS/UGC CARE	Paper Link
1.	Dr. M. Helda Mercy	Shanmugavalli M. Majella Jenvi Ignatia K. Vijaya N Senthil, Gowri Thalpathiraj S. Helda Mercy M.	Analyzing M/M/1 Working Vacation Model with Dual Server Breakdowns, Retrial Queue, and Interruptions: A Study on Classical Retrial Policies	International Journal of Advanced Science and Engineering, Mahendra Publications	Vol 11, Issue 4, pp. 4492 – 4504, 2025 ISSN: 2349-5359	10.29294/IJASE.11.4.2025.4492-4504	Q4	Scopus	https://www.scopus.com/pages/publications/105009386798?origin=resultlist

2.	Dr. D. Karunkuzhali	Karunkuzhali D. Shaikh, Anwar Ahamed Suguna R. Venkatesan M.	Hybrid Lightweight Cryptography with Attribute-Based Encryption for Secure Health Monitoring in IOT-Wireless Body Area Sensor Network	Biomedical Materials and Devices, Springer Nature	Vol 4, Issue 2, PP 2466-2482, June 2026 ISSN: 2731-4812	10.1007/s44174-025-00402-5	Q2	Scopus	https://www.scopus.com/pages/publications/105008414207?origin=resultslist
3.	Dr. D. Karunkuzhali	Karunkuzhali, D., Arunachalam, K.P., Ramamoorthi, R., Kadu, R.K.	Cyber-Physical System for Enhanced WSN-IoT Security Using Spherical Graph Triple Convolutional Neural Network with Planet Optimization Algorithm	Progress in Engineering Science, Elsevier B.V	Vol 2, Issue 3, Sep 2025 ISSN: 2950-4252	10.1016/j.pes.2025.100108	Q4	Scopus	https://www.scopus.com/pages/publications/105011051498?origin=resultslist
4.	Dr. D. Karunkuzhali	Karunkuzhali, Danassou Meenakshi, Balasubramanian	IoT-based plant disease detection using enhanced Elman spike neural network with Capuchin search optimisation algorithm	International Journal of Bio-Inspired Computation, Inderscience	Vol 26, Issue 4, PP 232-244, Dec 2025 ISSN: 1758-0366	10.1504/IJBIC.2025.150630	2.0 Q3	SCI-SCOPUS	https://www.scopus.com/pages/publications/105025702754?origin=resultslist
5.	Dr. D. Karunkuzhali	Chandrakasan, Bharanidharan Karunkuzhali D. Kandasamy V. Babu, M. Dilli Devi, K. Rama	Real-time face detection and local binary patterns histograms-based face recognition on Raspberry Pi with OpenCV	International Journal of Reconfigurable and Embedded Systems, Institute of Advanced Engineering and Science	Vol 14, Issue 2, July 2025 ISSN: 2089-4864	10.11591/ijres.v14.i2.pp527-537	Q4	Scopus	https://www.scopus.com/pages/publications/105021543755?origin=resultslist

6.	Dr.B.Buvaswari	Mydhili S.K. Senthilkumar K.P. Buvaneswari B. Vijaya Lakshmi T.R.	Detecting defective apples through advanced computer vision and Legendre Multi Wavelet Neural Networks	Journal of Stored Products Research, Elsevier.	Vol 114, Sep 2025 ISSN: 1879-1212	10.1016/j.jspr.2025.102702	2.8 Q1	SCI-SCOPUS	https://www.scopus.com/pages/publications/105007337539?origin=resultlist
7.	Dr. N. Bala Sundara Ganapathy	J. RAJAa*, DVSSSV PRASADb, N. BALA SUNDARA GANAPATHY c, G. HEMA T. RAJUd, P. RAMESH KUMARE, RADHA MOTHUKURIf, NAGARAJ ASHOKg, R. ASHOK GANDHIh, JIM MATHEW PHILIPi, A. RAJARAMj	SERIES-PARALLEL MODEL DESIGN FOR POLYMER NANOCOMPOSITE ELECTRICAL CONDUCTIVITY PREDICTION USING NEURAL NETWORKS	Journal of Environment and Ecology, scibulcom Ltd	Vol 26, Issue 5, PP 1879–1888, 2025 ISSN: 1311-5065	2-s2.0-105017400943	Q4	Scopus	2-s2.0-105017400943
8.	Dr. N. Bala Sundara Ganapathy	Deepa, Benita, Prasanna kumar, Sheela, Bala Sundara Ganapathy, Syed Mustafa	Federated Learning-Driven AI Model for Decentralized Analysis of Oxidative Stress Indicators in Genomic Data	Oxidation Communications, scibulcom Ltd	Vol 48, Issue 3, PP 929–940, 2025 ISSN: 0209-4541	2-s2.0-105021549665	Q4	Scopus	https://www.scopus.com/pages/publications/105021549665?origin=resultlist

9.	Dr. B. Karthikeyan	Kumar, P Maniraj Karthikeyan B. Rajeswari S. Ruba M.	Cyclone hazard evaluation and risk mitigation strategies using machine learning approaches for the Acapulco Region and coastal communities in southwestern Mexico	Journal of Earth System Science, Springer	Vol 134, Issue 3, Sep 2025 ISSN: 2347-4327	10.1007/s12040-025-02568-4	1.7 Q2	SCIE, Scopus	https://www.scopus.com/pages/publications/105007454597?origin=resultslist
10.	Dr. B. Karthikeyan	R. Sheeba Hadeel Alsolai Randa Allafi K. Nithya Munya A. Arasi B. Karthikeyan D. Sudarvizhi S. Vivek	A comprehensive IoT and blockchain-integrated framework for autonomous water management in sustainable urban ecosystems	Sustainable Computing: Informatics and Systems, Elsevier Inc	Vol 47, Sep 2025 ISSN: 2210-5379	10.1016/j.suscom.2025.101171	5.7 Q1	SCIE, Scopus	https://www.scopus.com/pages/publications/105011252318?origin=resultslist
11.	Dr. B. Karthikeyan	Thenmozhi T, Karthikeyan B, Nithya K, Ramachandran C	Using Deep learning to diagnose lever hydatid disease via ultra sound analysis	Journal of Environmental protection and Ecology	Vol 26, Issue 6, PP 2386 – 2395, 2025 ISSN: 1311-5065	10.1007/s00500-025-10690-0	Q4	Scopus	https://www.scopus.com/pages/publications/105022282724?origin=resultslist
12.	Dr. M. Sumithra	Sumithra M, Vidhyalakshmi M, Umamaheshwar , Soma, Mukkapati, Naveen	Intelligent techniques for processing and taxonomy of smart City data in mobile ad hoc networks	Soft Computing, Springer	Volume 29, Issue 13, PP 4915–4931, July 2025 ISSN: 1432-7643	10.1007/s00500-025-10690-0	2.5 Q2	SCIE,S copus	https://www.scopus.com/pages/publications/105012580791?origin=resultslist

13	Dr. M. Sumithra	Anandh Sam Chandra Bose, M. Eliazer, B. Uma Maheswari, A. Sivaneshkumar, M. Sumithra, Shamimul Qamar	Securing healthcare data in mobile edge computing: a hybrid deep learning framework for privacy and anomaly detection	Knowledge and Information Systems, Springer	Vol 67, Issue 12, DEC' 2025 ISSN: 0219-3116	10.1007/s10115-025-02586-0	3.1 Q2	SCIE, Scopus	https://www.scopus.com/pages/publications/105017403558?origin=resultslist
14	Dr.P.Latha	Duraisamy, Kumutha Geetha P. Gobi P. Arun K. Latha P.	A Y-Shaped Patches Massive MIMO Antenna for Performance Measures in 6G Application	Journal of Nano and Electronic Physics, Sumy State University	Vol. 17 No 4, , Aug 2025 ISSN: 2077-6772	10.21272/jnep.17(4).04023	Q3	Scopus	https://www.scopus.com/pages/publications/105019973089?origin=resultslist
15	Dr.P.Latha	Prabhu Kaliaperumal, P.Latha, selvaraj Palanisamy, Sridhar pushpanathan, Anand Nayyar, Balamurugan Balusamy Ahmed Alkhayyat	SiamIDS:A Novel Cloud-Centric Siamese Bi-LSTM Framework for Interpretable Intrusion Detection in Large-Scale IoT Networks,	Computer Standards & Interfaces, ELSEVIER	Vol 97, April 2026 ISSN: 0920-5489	10.1016/j.csi.2025.104119	3.1 Q1	SCIE-SCOPUS	https://www.scopus.com/pages/publications/105025402580?origin=resultslist
16	Dr.E.Thenmozhi	Sudhakar Periyasamy, Prabhu Kaliyaperumal, Manikandan Thirumalaisamy, Balamurugan Balusamy, Thenmozhi Elumalai, Veerpratap Meena & Vinay Kumar Jadoun	Blockchain enabled collective and combined deep learning framework for COVID19 diagnosis	Scientific Reports, Nature Research	Vol 15, Issue 1, Dec 2025 ISSN: 2045-2322	10.1038/s41598-025-00252-7	3.9 Q1	SCIE, Scopus	https://www.scopus.com/pages/publications/105005099540?origin=resultslist

17.	Dr. E. Thenmozhi	Abinaya Alagrasamy , Thenmozhi Elumalai, S. P. Ramesh, Tamilarasi Karuppiah, Prabhu Kaliyaperumal, Rajakumar Perumal	A hybrid framework for enhanced intrusion detection in cloud environments leveraging autoencoder	International Journal of Informatics and Communication Technology, Intelektual Pustaka Media Utama	Vol 14, Issue 2, Aug 2025 ISSN: 2252-8776	10.11591/ijict.v14i2.pp555-564	Q4	Scopus	https://www.scopus.com/pages/publications/105018608298?origin=resultslist
18.	Dr.E.Thenmozhi	Suresh K. S,Thenmozhi Elumalai, Radhakrishnan Rajamani Anubhav Kumar,Balamurugan BalusamySumeendra Yogarayan,Kaliyaperumal Prabhu	An Unsupervised Cloud-Centric Intrusion Diagnosis Framework Using Autoencoder and Density-Based Learning	Future Internet, Multidisciplinary Digital Publishing Institute, MDPI	Vol 18,Issue 1, Jan 2026 ISSN: 1999-5903	10.3390/fi18010054	3.6 Q2	ESCI, Scopus	https://www.scopus.com/pages/publications/105028612466?origin=resultslist
19.	Dr.E.Thenmozhi	Rajakumar Ponnumani a, Nisha Vasudeva b, Thenmozhi Elumalai c, Prabu Kaliyaperumal f, Balamurugan Balusamy d, Francesco Benedetto e	A multi-stage framework for scalable and context-aware intrusion detection in IoT-cloud systems using deep latent modeling and graph-based attack classification	Computers and Electrical Engineering, Elsevier	Vol 131, March 2026 ISSN: 0045-7906	10.1016/j.compeleceng.2026.110949	4.9 Q1	SCIE, Scopus	https://www.scopus.com/pages/publications/105028163895?origin=resultslist

20	Dr.Rama Devi K	Periyasamy, Ramachandran Govindaraji, Manikandan Nasurulla I. Srinivasan V. Rama Devi K.	Optimizing call center agent efficiency through deep learning-based classifications using SMFCCAE	International Journal of Reconfigura ble and Embedded Systems , Institute of Advanced Engineering and Science	Vol 15, Issue 1, PP 31-41, Mar 2026 ISSN: 2722- 2608	10.11591/ ijres.v15.i 1.pp31-41	Q4	Scopus	https://www.scopus.com/pages/publications/105032547258?origin=resultslist
21	Dr.K.Ram a Devi	Rama Devi K, Ramachandran P,Althaf Ali,Uma Maheswari,Jaya brabu	Synergizing IoT and machine learning for diabetic foot ulcer detection and management	International Journal of System Assurance Engineering and Management , Springer	Vol 16, Issue 11,PP 3614-3625, Nov 2025 ISSN: 0975- 6809	10.1007/s 13198- 025- 02890-6	1.4 Q2	ESCI- Scopus	https://www.scopus.com/pages/publications/105009907453?origin=resultslist
22	S.MARY REXCY ASHA	S.Mary Rexcy Asha Dr.G.Victo Sudha George Dr.RanaKumar	ImRA_SRNet: Improved Residual Attention based Simple Recurrent Neural Network based Autism Detection using Eye Tracking	International Journal of Nutrition, Pharmacolo gy, Neurological Diseases, Medknow publishers	Vol 14, Issue 4, PP 419-433 Oct 2025 ISSN: 2231- 0738	10.4103/ij npnd.ijn pd_27_25	Q4	Scopus	https://www.scopus.com/pages/publications/105023555706?origin=resultslist
23	Dr. K. Tamilarasi	Prabu Kaliyaperumal, Tamilarasi Karuppiyah, Rajakumar Perumal, Manikandan Thirumalaisamy , Balamurugan Balusamy, Francesco Benedetto	Enhancing cybersecurity in Agriculture 4.0: A high- performance hybrid deep learning-based framework for DDoS attack detection	Computers and Electrical Engineering, Science Direct, Elsevier Ltd.	Vol 126, Aug 2025 ISSN: 0045- 7906	10.1016/j. compelec eng.2025. 110431	4.9 Q1	SCIE, Scopus	https://www.scopus.com/pages/publications/105008724290?origin=resultslist

24.	Dr.M.Dillibabu	Velumani A, Ganesan K, Uma Rani V, Kaladevi , Dilli Babu M	Assessing the impact of Partial double Glazing and energy storage on solar still efficiency	International Research Journal of Multidisciplinary scope, Iquz Galaxy Publisher	Vol6, Issue 4, PP 1036-1048 Oct 2025 ISSN: 2582-631X	10.47857/irjms.2025.v06i04.06442	Q4	Scopus	https://www.scopus.com/pages/publications/105022479300?origin=resultslist
25.	Dr.K.Muthulakshmi	kadrolli, V., Bodade, V., Qamar, S., ... Muthulakshmi, K., Sheryl Oliver, A.	Enhancing E-Healthcare Security with Hash Lampel Hessenberg Wavelet Transform and Federated Cryptographic Neural Networks	IETE Journal of Research, Taylor and Francis Ltd.	Aug 2025 ISSN: 0377-2063	10.1080/03772063.2025.2533998	1.3 Q3	SCIE, Scopus	https://www.scopus.com/pages/publications/105014755322?origin=resultslist
26.	Dr.S.Sharanyaa	Harish Padmanaban G.Brammya, N.S.Ninu Preetha, S.Sharanyaa, Mantripragada Yaswanth Bhanu Murthy, M A Pra	Chronological Pufferfish Optimization Algorithm for Task Scheduling in Cloud Computing	Sustainable Computing: Informatics and Systems, ELSEVIER	Vol 48, DEC' 2025 ISSN: 2210-5379	10.1016/j.suscom.2025.101241	5.7 Q1	SCIE-SCOPUS	https://www.scopus.com/pages/publications/105021379896?origin=resultslist
27.	Dr..S.Sharanyaa	S.Sharanyaa, M.Sambath	HLNBO: Hybrid leader namib beetle optimization algorithm-based lenet for classification of parkinson's disease	International Journal of Image and Graphics, World Scientific	Vol 25, Issue 6, Nov 2026 ISSN: 0219-4678	10.1142/S0219467825500639	Q3	ESCI, SCOPUS	https://www.scopus.com/pages/publications/85187949550?origin=resultslist

28	Mrs. C.Rekha	C.Rekha,K.Jaya shree	Optic disc and cup segmentation methods for glaucoma detection using twin- inception transformer hinge attention network with cycle consistent convolutional neural network	Biomedical Signal Processing and Control, Elsevier.	Volume 107, Sep 2025 ISSN: 1746- 8108.	10.1016/j. bspc.2025 .107844	4.9 Q1	SCIE- SCOPUS	https://www.scopus.com/pages/publications/105001320651?origin=resultslist
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