



A.V.C. COLLEGE OF ENGINEERING

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Mannampandal, Mayiladuthurai District, Tamilnadu-609305

DEPARTMENT OF INFORMATION TECHNOLOGY



RESEARCH AND DEVELOPMENT CELL

Journal Publications

Year: 2024-2025

Dept.Name:CSE											
S. No.	Year	AuthorName	Completetitleof thearticle	Name of theJournal(National/International)	Vol.No.IssueNo. PageNo.DoI	ISSNforjournals	Report ed inWeb ofScien	Report ed inScop	Report ed inGoog leSchol	Repor tedinPU B MED	Reporte d inIndian Citation Index
1	August 2024	Dr.S.Padmapriya	DepressionDetectioninSocial MediaUsingEmotionalIntelli gence	International ResearchJournal onAdvancedEngin eering	Vol.02Issue:08 August2024Page No: 2222-2227	e ISSN:2584-2137	-	-	Yes	-	-
2	Sep2024	Mrs.R.Ramya	ResearchonEvaluationmod elofMobileResidentialSpac eBasedonEdgeIntelligence	Communication onAppliedNonlinear Analysis	Vol. 32No.2(2025)Pageno:490-503	ISSN:1074-133X	-	Yes	Yes	-	-
3	Dez2024	Mrs.R.Ramya	ChaoticSparrowSearchAlgorith mwithDeepLearningforEventDe tectionandClassificationinSocial MediaEnvironment	Journal of Tehnickivjesnik –Technical Gazette(TV-TG)	Technical Gazette32,1(2025),142-148https://doi.org/10.17559/TV-20240426001497	ISSN 1330-3651	Yes	Yes	Yes	-	-

Dept.Name:IT											
S. No.	Year	AuthorName	Completetitleof thearticle	Name of theJournal(National/International)	Vol.No.IssueNo. PageNo.DoI	ISSNforjournals	Report ed inWeb ofScience	Report ed inScopus	Report ed inGoog leScholar	Repor tedinPUB MED	Reporte d inIndian Citation Index
1	2025	Dr. R.Kanimozhi&Dr.V.P admavathi	Robust and secure image steganography with recurrent neural network and fuzzy logic integration	Scientific Reports International	Vol No 15 Issue 1 pages 15:13122 DOI: https://doi.org/10.1038/s41598-025-97795-6	2045-2322	yes	yes	yes	yes	yes
2	2025	Dr. K. Krishnakumari	Overview of the Shared Task on Sentiment Analysis in Tamil and Tulu	Proceedings of the Fifth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages, Association for Computational Linguistics	Vol 1, PP: 97-103, DOI: 10.18653/v1/2025.dravidianlangtech-1.124	ISBN: 979-8-89176-228-2	yes	yes	yes	yes	yes
3	2025	Dr. R.Kanimozhi& Dr.V.Padmavathi	Perceived digital threats influencing smartphone use among the aging population	Scientific Reports International	Vol 15, 27813 (2025). https://doi.org/10.1038/s41598-025-12669-1	2045-2322	yes	yes	yes	yes	yes
4	2025	D.Mahalakshmi	Hummingbird Optimization with Deep Learning Enabled Feature Reduction and Classification Approach for High Dimensional Data	International Journal of Pattern Recognition and Artificial Intelligence	Vol. 39, No. 05, 2552004 (2025) https://doi.org/10.1142/S0218001425520044	yes	yes	yes	yes	yes	yes

5	2025	Dr.K.Aruna	Secure Attestation and Dynamic Load Balancing (SALB) for Optimized Container Management: Ensuring Integrity and Enhancing Resource Efficiency	Concurrency and Computation: Practices and Experience	vol.37, Issue 9-11, DOI: https://doi.org/10.1002/cpe.70067 ,IF1.5.	yes	Yes	Yes	Yes	Yes	Yes
6	2025	Dr.V.Padmavathi	Adaptive AI-Enhanced Signal Processing Framework for Optimized Communication in the Internet of Underwater Things (IOUT)	International Journal of Pattern Recognition and Artificial Intelligence	Vol. 39, No. 07, 2558002 (2025)Signal Processing https://doi.org/10.1142/S0218001425580029	yes	Yes	Yes	Yes	Yes	Yes

Dept. Name: ECE

S. No.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Reported in Web of Science	Reported in Scopus	Reported in Google Scholar	Reported in PUB MED	Reported in Indian Citation Index
1	Feb 2025	Dr.S.K.RajaLakshmi and Dr.B.S.Sathishkumar	IoT based Intelligent Tablet Reminder with Pill Dispenser	International Journal of Research and Analytical Reviews	Volume. 12, Issue 1	ISSN no.2349-5138.	-	YES	YES	-	-
2	July 2024	Dr.chitracalavan	Design of iot based system for supporting the children with autism spectrum disorder	journal of emerging technologies and innovative research	vol.11 issue 7 i153-i160	2349-5162	-	-	-	-	-

Dept. Name: EEE

S. No.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Report ed in Web of Science	Report ed in Scopus	Report ed in Google Scholar	Repor ted in PUB MED	Reporte d in Indian Citatio n Index
1	2024-25	Dr. N. Dhanasekar Prof- EEE,AVCCE,Mayil a duthurai	Bio-waste derived 2 D rGO sheet supported Co9Se8 hybrid composite electrode for high performance supercapacitor applications	Diamond and Related Materials-Elseiver	Volume 147, 111304 106:419–442, August 2024	ISSN 0925- 9635,	Yes	-	Yes	Yes	-
2	2024-25	Dr. N. Dhanasekar Prof- EEE,AVCCE,Mayil aduthurai	Design and fabrication of NiSe2/g-C3N4 hybrid composite counterDesign and fabrication of NiSe2/g-C3N4 hybrid composite counter electrode for Pt-free dye- sensitized solar cells electrode for Pt-free dye-sensitized solar cells	Journal of Materials Science: Materials in Electronics	Volume 35, article number 443, February 2024 Electronic	ISSN 1573-482X Print ISSN 0957-4522	Yes	-	Yes	Yes	-
3	2024-25	Dr.M.Latha	Electricity generation from PKL plant for home appliances in off grid areas MEERAYAN JOURNAL (	Volume, 25, Issue 4, Pages 17-20	ISSN NO:2455-6033	-	-	-	Yes	Yes	-

Dept. Name: ICE											
S. No.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Reported in Web of Science	Reported in Scopus	Reported in Google Scholar	Reported in PUB MED	Reported in Indian Citation Index
1	2024	Dr. S. Vadivazhagi	VOLKSWAGEN – An Emerging Boomer Through Its SWOT	International Journal of Research in Commerce and Management Studies	Vol. 6, No. 04 July-Aug; Page. No. 01- 09, 2024 DOI: https://doi.org/10.38193/IJRCMS.2024.64 01	ISSN 2582- 2292	-	-	Yes	-	-
2	2024	Dr. S. Vadivazhagi	Enhancing Workflow Efficiency through Machine Learning- Based Email Sorting	Journal of Soft Computing and Computational Intelligence	· August 2024 DOI:10.46610/JoSCCI.2024.v01i02.003	e-ISSN: 3048- 6610	-	-	Yes	-	-
3	2024	Dr. Ka. Suriyaprabha, Dr. S. Vadivazhagi	Intelligent Traffic Signal Management with PLC	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	Volume 4, Issue 1, July 2024 DOI: 10.48175/IJARSCT- 19131	ISSN (Online) 2581- 9429	-	-	Yes	-	-
4	2024	Dr. S. Vadivazhagi, Dr. Ka. Suriyaprabha	Implementation of a Globally Linearised Controller in Real Time for Two Conical Tanks Interacting Level Process	Journal of Instrumentation and Innovation sciences	Volume 9, Issue 2, Year 2024 DOI: https://doi.org/10.46610/JIIS.2024.v09i02.002	(e)ISSN: 2456-9860	-	-	Yes	-	-

5	2024	Dr. S. Vadivazhagi, Dr. Ka. Suriyaprabha, Mrs. M. Vinodhini, Dr. J. Sharmila Devi, Mr. K. Arulselvan.	Development Of An Economical PLC-Based Fish Feeding System	International Research Journal of Modernization in Engineering Technology and Science	Volume 6, Issue 10, October 2024.	e-ISSN: 2582- 5208			Yes	-	-
6	May 2025	Dr. Ka. Suriyaprabha, Dr. S. Vadivazhagi, Mrs. M. Vinodhini	Biomimetic Leaf-inspired Microfluidic Sensors for Enhanced Precision Irrigation in Sustainable Agriculture	International Journal of Image Processing and Smart Sensors	Vol. 1, Issue 1 (January – June, 2025) pp: (47-54) DoI Link-	(e)ISSN: 2456-9860			Yes	-	-
7	2024	Dr. S. Vadivazhagi, Dr. Ka. Suriyaprabha, Mrs. M. Vinodhini, Dr. J. Sharmila Devi, Mr. K. Arulselvan.	Development Of An Economical PLC-Based Fish Feeding System	International Research Journal of Modernization in Engineering Technology and Science	https://doi.org/10.46610/IJ IPSS.2025.v01i 01.004	-	-	-		-	-

Dept.Name:MECH

S. N o.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Rep orte d in Web of Scie nce	Rep orte d in Scop us	Rep orte d in Goo gle Scho	Rep or ted in PUB	Reporte d inIndian Citation Index
1	Sep 2024	Vijayaraj, S., Ayyappan, S.K. & Saravanan, R.	Characterization of binderless fuel pellets from macrophyte azolla blended with forestry biowaste	Biomass Conversion and Biorefinery	10.1007/s13399-024-6215-8	2190-6823	Yes	Yes	Yes	Yes	Yes
2	Aug 2024	S. Vijayaraj, K. Vijayarajan, N.S.Balaji & A. Balaji	Conversion of finger millet husk waste as biosilica functional filler for digitariaischaemum fibre-epoxy composite: fatigue, creep and flame retardant behaviour	Biomass Conversion and Biorefinery	10.1007/s13399-024-06012-3	2190-6823	Yes	Yes	Yes	Yes	Yes
3	May 2024	B. Sriram Prasad & A. Balaji	A. Study on engineering properties of bamboo fiber/biochar reinforced epoxy composites rod	Biomass Conversion and Biorefinery	10.1007/s13399-024-05754-4	2190-6823	Yes	Yes	Yes	Yes	Yes
4	Aug 2024	R. Udhayasankar, B. Karthikeyan, K. Murugan & A. Balaji	Hybrid polymer composites of terminalia chebula filler reinforced thermal and mechanical characterization of bagasse/tamarind seed	International Journal of Polymer Analysis and Characterization	10.1080/1023666X.2024.2399219	1023666X	Yes	Yes	Yes	Yes	Yes

5	Oct 2024	A. Abdul Munaf,A. Velmurugan,A. Balaji,M. Loganathan,M. Bakkiyaraj,	Evaluating performance, combustion, and emission characteristics of waste plastic oil blends in crdi diesel engines using data envelopment analysis	Journal Of Mechanics Of Continua And Mathematical Sciences	10.26782/jmcms.2024.10.00003	0973-8975	Yes	Yes	Yes	Yes	Yes
6	Mai 2024	Purushothaman, R., Balaji, A. &Swaminathan, J	Influence of naoh treatment on physical, chemical, thermal, and morphological behavior of aloe vera, banana, and corn husk fiber.	Biomass Conversion and Biorefinery	10.1007/s13399-024-05740-w	2190-6823	Yes	Yes	Yes	Yes	Yes
7	Mai 2024	S. Mohanakannan, A. Balaji& J. Swaminathan	Investigation of mechanical, thermal, and chemical properties of raw and naoh-treated bagasse/halfa grass/coir fiber.	Biomass Conversion and Biorefinery	10.1007/s13399-024-05700-4	2190-6823	Yes	Yes	Yes	Yes	Yes

Dept. Name: CIVIL

S. No.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Reported in Web of Scie	Reported in Sco	Reported in Google Sch	Reported in pr	Reported in Indi an Cita
1	Feb 2025	Dr.S.K.Raja Lakshmi and Dr.B.S.Sathishkumar	IoT based Intelligent Tablet Reminder with Pill Dispenser	International Journal of Research and Analytical Reviews	Volume. 12, Issue 1	ISSN no.2349-5138.	-	YES	YES	-	-

2	Juli 2024	Dr.chitracalan van	Design of iot based system for supporting the children with autism spectrum disorder	journal of emerging technologies and innovative research	vol.11 issue 7 i153-i160	2349-5162	-	-	-	-	-
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Dept. Name: MBA

S. N o.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Rep orte d in We b of Scie	Rep orte d in Sco	Rep orte d in Goo gle Sch	Rep or ted in	Rep orte d in Indi an Cita
1	Juli 2024	Dr.G.Sridevi S. Rubendoss	Digital Up gradation Through Education Management Information System [EMIS] With Reference To DBTR National Higher Secondary School, Mayiladuthurai	Gradivia Review Journal - [Scopus Indexed / UGC Care II] -	DOI:10.37897.GRJ.2023 .V10I6.24.51393 4 , Volume-10-Issue-6 - July 2024, Page No: 298-307	ISSN NO : 0363-8057	-	yes	yes	-	-
2	Okt 2024	Dr.K.Keerthi	Consumer Attitude and Perception of Mobile Phone service provider in Mayiladuthurai District.	Web of Science -	Vol 6, Issue 2	ISSN No: 1624-1940	yes	-	yes	-	-
3	Dez 2024	Dr.M.S.Gayathri	Impact of Presenteeism Among Employees on Job Related Factors in Chemical Industries, in Cuddalore District, TamilNadu	International Journal for Multidisciplinary Research	Vol 6, Issue 6,	E- ISSN NO: 2582- 2160	-	-	yes	-	-

Dept. Name: MCA											
S. No.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Reported in Web of Scie	Reported in Sco	Reported in Google Sch	Reported in ISI	Reported in Indian Cita
1	2024	Dr.A.Suganthi	Tuning the Cathode Power to Deposit Amphoteric Vanadia as a Dimethylamine Sensor at Room Temperature	Materials Letter – Elsevier	https://doi.org/10.1016/j.matlet.2024.137800	0176-577X	Yes	Yes	Yes	-	Yes
2	2025	Dr.A.Suganthi	Data Driven Seismic Analysis of Structures using Machine Learning	Communications on Applied Nonlinear Analysis	Vol.32 No.7S	1074-133X	-	Yes	Yes	-	-

Dept. Name: S&H											
S. No.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Reported in Web of Scie	Reported in Sco	Reported in Google Sch	Reported in ISI	Reported in Indian Cita
1	2025	Dr.S.Sathya	Electricity generation from PKL plant for home appliances in off grid areas	Meerayan journal	vol.25 issue.4	2455-6033			yes	-	-
2	Mai 2024	Purushothaman, R., Balaji, A. &Swaminathan, J	Influence of naoh treatment on physical, chemical, thermal, and morphological behavior of aloe vera, banana, and corn husk fiber.	Biomass Conversion and Biorefinery	10.1007/s13399-024-05740-w	2190-6823	Yes	Yes	Yes	Yes	Yes
3	Mai 2024	S. Mohanakannan, A. Balaji& J. Swaminathan	Investigation of mechanical, thermal, and chemical properties of raw and naoh-treated bagasse/halfa grass/coir fiber.	Biomass Conversion and Biorefinery	10.1007/s13399-024-05700-4	2190-6823	Yes	Yes	Yes	Yes	Yes