



Department of Computer Science and Engineering

Acharya Institute of Technology

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Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA
www.ait.ac.in, Email: hod-cse@acharya.ac.in

Consolidated Academic Research - Quality Paper Publication

Publication Details				
Year	Journals	Conference	Text Book	Book Chapters
2022-23	04	04	-	03
2023-24	18	06	-	03
2024-25	17	01	-	01
2025-2026	06	-	02	30

Consolidated Academic Research - Intellectual Property Rights

Intellectual Property Details		
Year	Patents	Copyrights
2022-23	2	-
2023-24	5	-
2024-25	1	3
2025-2026	1	-

Research Quality Paper Publications: Journal AY 2025-26

S.No	Author and Co-Author	Title of Research Paper	Journal (Name, issue and Page No)	ISSN	Publication Link
1	Lakshmikanthaiah SM, Mamatha G, Ajith Padyana	AI-powered Alzheimer's diagnosis: Integrating cognitive monitoring, IoT, and secure edge computing	International Journal of Innovative Research and Scientific Studies	ISSN : 2617-6548, 8(3), 1518–1524, Article No. 8867-IJIRS, Q2 Cite score - 2.1	https://ijirss.com/index.php/ijirss/article/view/6830/1356
2	Jagadeesha B G, Ramesh Hegde, Ajith Padyana	Black Pepper Leaf Disease Detection Using Deep Learning	International Journal of Innovative Research and Scientific Studies	ISSN : 2617-6548, 8(2), 897–907 Article No. 8867-IJIRS, Q2 Citescore - 2.1	https://ijirss.com/index.php/ijirss/article/view/5389/899
3	Varalakshmi B D	Harnessing Machine Learning for Data Transformation in Industry 5.0 Production Lines	Engineering Technology and Applied Science Research	Volume: 15, Issue: 4 , Pages: 25466-25472	https://doi.org/10.48084/etasr.11318
4	Sneha N P , Jayanna Veeranna Gorabal	Core machine learning methods for boosting security strength for securing IoT	Indonesian Journal of Electrical Engineering and Computer Science	Vol. 39, No. 3, pp. 1891~1899, ISSN: 2502-4752,	DOI: 10.11591/ijeecs.v39.i3
5	S.R Swamy, Daniel, Cotirla, Kala Venugopal	Bi-Univalent Function Subclasses With (P, Q)-Derivative Operator Linked to Horadam Polynomials	Kragujevac Journal of Mathematics	Volume 50(8) (2026), Pages 1279–1296	https://www.researchgate.net/publication/393105352_BI-UNIVALENT_FUNCTION_SUBCLASSES_WITH_p_q-DERIVATIVE_OPERATOR_LINKED_TO_HORADAM_POLYNOMIALS
6	Sondekola Rudra Swamy, Basem Aref Frasinb, Kala Venugopal , Tamer Mohamed	Subfamilies of bi-univalent functions governed by Bernoulli polynomials	Journal of Mathematics and Computer Science,	Volume 40 (2026), 341–352 (Scopus)	https://dx.doi.org/10.22436/jmcs.040.03.04

Research Quality Paper Publications: Journal AY 2024-25

Sl.no	Author and Co-Author	Title of Research Paper	Journal (Name, issue and Page No)	ISSN	Publication Link
1	V. Pandimurugan, Sultan Ahmad, · A. V. Prabu, Mohammad Khalid Imam, Rahmani	CNN-Based Deep Learning Model for Early Identification and Categorization of Melanoma Skin Cancer Using Medical Imaging	SN Computer Science (springer) Q2	https://doi.org/10.1007/s42979-024-03270-w	https://link.springer.com/article/10.1007/s42979-024-03270-w
2	Vinayak R Kage	Cyber Security Impacts in Digital Transaction for Rural INDIA.	ICCR Sponsored International Seminar	ISBN No.:978-81-968562-4-3	https://link.springer.com/article/10.1007/s42979-024-03270-w
3	Pandimurugan V, Balakiruthiga B, Umamageswaran J, Angayarkanni S A, Rajaram V, Chinnasamy A	Preventing Health Records Risk Analysis with Explainable AI	IEEE Explore	979-8-3503-6841-3	https://ieeexplore.ieee.org/document/10760785
4	G Prakash Babu, Sujatha B M, Spoorthi H, Shreyas Chandra K, Bhoomika B S, Ishika Binage	The Autism Spectrum Disorder Detection	Kuwait Scholars Publisher: Middle East Research Journal of Engineering and Technology	2789-7737	https://kspublisher.com/articles/527/
5	Gourish Hegde, Samarth Parande and Dr. Ajith Padyana	BERT-Based Domain Classification for Threat Detection	Cambridge Scholar Publishing	978-1-0364-4216-3	E:\ICCP 2024\ICCP_SELECTED PAPERS\Neural Nexus-WoS.pdf
6	Vinayak R Kage	Augmented Reality And Virtual Reality For Education Simulation And Training	Cambridge scholar Publishing	978-1-0364-4216-3	E:\ICCP 2024\ICCP_SELECTED PAPERS\Neural Nexus-WoS.pdf
7	Jawahar Jonathan, Bharathi K, Haripriya Khajuria, Lavanya J C, M Jyoshitha, Meghna Keshri	Detection Of Dyslexia And Dyscalculia In Children	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij03.pdf
8	Vijayalakshmi S A, Geetha D Devanagavi	A Survey On A Model For Pesticide Recommendation Using Machine	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij04.pdf

		Learning			
9	Shrutika C Rampure , Bhavyashree Sp, Rakshitha B T	Artificial Intelligence And Machine Learning Based Plant Monitoring System	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij15.pdf
10	Raju Soniya and G Prakash Babu	Contrastive Learning in Image Style Transfer: A Thorough Examination using CAST and UCAST Frameworks	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij08.pdf
11	Vijayalakshmi S Abbigeri , Geetha D Devanagavi	A Survey of Pretrained Deep Learning (DL) Models for Plant Disease Identification	International Journal of Soft Computing And Artificial Intelligence (IJSCAI)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij04.pdf
12	Bharathi K, Jawahar Jonathan K , Satyabhama, Shobharani C N, Sridevi, Bhagyashree K Itagi	Fire And Smoke Detection For Wildfire Using Yolov5 Algorithm	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij06.pdf
13	Vidya Bhushan, Reshma	Plant Leaf Diseases Detection Using Deep Learning And Novel Cnn	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij07.pdf
14	Ranjan.G. , Akshatha.S, Sandeep.N, Vasanth.A	Enhancing Surveillance System Through Edge Computing: A Framework For Real-Time Human Detection	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij16.pdf
15	Varalakshmi B D, Vijayalakshmi S A , M Kavya Sree, Ayushi Raj, Deepika Divya and Anubhav Tekriwal,	Ai-Enabled Fruit Decay Detection	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij18.pdf
16	Vijayalakshmi S A, Varalakshmi B D , Rohith R, Sanjay L Y, Shashiraj Shetty and Prasad M J	Soil Analysis, Disease Detection And Pesticide Recommendation For Farmersusing Ai And MI	An International Journal (CSEIJ)	2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij20.pdf

17	Shruthi N G , Maddi Patla Jahnvi, Maithry V Pappu, Preksha Chandrakant Wali and Sri Lakshmi A Nair	Quantitative Analysis Of Blood Cell Components And Detection Of Malarial Parasite (P.Vivax) Using Faster R-CNN	An International Journal (CSEIJ)	ISSN : 2231 - 329X	https://www.cseij.org/papers/v15n1/15125cseij31.pdf
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Research Quality Paper Publications: Journal AY 2023-24

Sl.no	Author and Co-Author	Title of Research Paper	Journal (Name, issue and Page No)	ISSN	Publication Link
1	Vijayalakshmi S A , Geetha D Devanagavi	A Survey of Pretrained Deep Learning (DL) Models for Plant Disease Identification	Proceedings ARSSS International Conference, Kolkata, India, 14 th – 15th October, 2024	https://www.digitalxplore.org/up_proc/pdf/2697-17309804161-4.pdf	https://ijscai.iraj.in/paper_detail.php?paper_id=21438
2	B. D. Varalakshmi G. M. Lingaraju	Enhancing Industrial Anomaly Detection with Auto Encoder-Based Temporal Convolutional Networks for Motor Fault Classification	Springer Nature Link	https://link.springer.com/article/10.1007/s42979-024-03425-9	https://link.springer.com/article/10.1007/s42979-024-03425-9
3	Mrs. Deeksha Satish and Mrs. Prashanth Kumar S P	Parkinson’s Disease Detection – A neurogenerative motor disorder detection using KSVM	Science, Education and Innovations in the Context of Modern Problems (SEI)	2790-0169	https://imcra-az.org/archive/353-science-education-and-innovations-in-the-context-of-modern-problems-issue-1-volvi-2024.html
4	Mrs. Bhavyashree S.P. Md Arif, Mrs. Rakshitha B.T. , Mohmmad. Kafeel Haji, Izhan Masood Baba, Manik Choudhary	Sign Language Recognition System Using Machine Learning	Science, Education and Innovations in the Context of Modern Problems	2790-0169	https://imcra-az.org/uploads/public_files/2025-03/40-sign-language-recognition-system-using-machine-learning.pdf

5	Mrs. Vijayalakshmi S A & Akhila K.C . Mr. Srikanth S.P . & Ananya A.S . A.Jahnavi & Anjana Dinesh	LeafLens: Detect Plant Disease before they spread	Science, Education and Innovations in the Context of Modern Problems	2790-0169	https://imcra-az.org/uploads/public_files/2025-03/leaflens-detect-plant-disease-before-they-spread_sei-journal.pdf
6	Mr. Rajeev Bilagi, Mahesh S K,Mr. Ajith Padyana,Snehal Deepak Bhasme	Smart Real-Time Object Detection for Blind Individuals	Science, Education and Innovations in the Context of Modern Problems	2790-0169	https://imcra-az.org/uploads/public_files/2025-03/45-_smart_real-time_object_detection_for_blind_individuals-1.pdf
7	Mrs. Supreetha H H., Mrs. Sneha N P., Ms. Mahitha D., Ms. Kushi, Ms. Nirali C. M (India)	Chronic Kidney Disease Analysis Using Machine Learning	Science, Education and Innovations in the Context of Modern Problems	2790-0169	https://imcra-az.org/uploads/public_files/2025-03/correct-columns-and-pictures.pdf
8	Mr.V.Sathawane , H. Sagar,R Hari Krishna, Maheshkumar Jain, Manoj T. – India	Research Article: Detection of Skin Cancer Using VGG-16 Model	Science, Education and Innovations in the Context of Modern Problems	2790-0169	https://imcra-az.org/uploads/public_files/2025-03/leaflens-detect-plant-disease-before-they-spread_sei-journal.pdf
9	Mr. M Gowtham Raj, Mrs. Bharathi K, Waseeha M, Medarametla Jahnavi, Vibha Ravindra Hegde, Yashika R	Diabetic Retinopathy Detection	Middle East Research Journal of Engineering and Technology	2789-7737	https://kspublisher.com/articles/528/
10	Mrs. Shrutika C Rampure, Mrs. Mahalakshmi G, Abhishek Kadappa Tingani, Satish H H, Savitri Santi	Predictive Analytics for Medicine Overdose: Enhancing Patient Safety	Middle East Research Journal of Engineering and Technology	2789-7737	https://kspublisher.com/articles/532/
11	Mrs. Shrutika C Rampure, Sujatha B M, Abhijith Kumar, Adarsha Nayaka K, Bhuvan Gowda A R,	LeaseEase- An Online Rental Marketplace	Middle East Research Journal of Engineering and Technology; 157-162.	2789-7737	https://kspublisher.com/articles/533/



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	Gagan Acharya G				
12	Mr. Srikanth S P, G Prakash Babu, Likhitha V, Manu C K, Meghana M R, Muskan	Brain Tumor Detection Using Deep Convolutional Neural Network	Middle East Research Journal of Engineering and Technology; 163-166.	2789-7737	https://kspublisher.com/articles/534/
13	Prof.Kamala K , Dr.Shashidhar TM	Cotton Leaf Disease Detection Using Transfer Learning	Kuwait Scholars Publisher: Middle East Research Journal of Engineering and Technology	2789-7737	https://kspublisher.com/articles/531/
14	Prof. Reshma , Prof.Varalakshmi B D	Plant Disease Detection using CNN	Kuwait Scholars Publisher: Middle East Research Journal of Engineering and Technology	2789-7737	https://kspublisher.com/articles/530/
15	Sneha N P, Supreetha H H, Soumya Jain, Shubham Raj, Vansh Raj Solanki, Yuvraaj Singh	Authentic Vision: Deepfake Detection for Images	Kuwait Scholars Publisher: Middle East Research Journal of Engineering and Technology	2789-7737	https://kspublisher.com/articles/526/
16	Mr. Prashanth Kumar S P, Mr. Raju Sah, Mr. Ranjan G, Mr. Priyanshu Pate, Mr. Ramanand Mahato, Mr. Sheikh Mohammad Wasef	HealthMap: AI-Powered Predictive Healthcare System	Middle East Research Journal of Engineering and Technology	2789-7737	https://kspublisher.com/articles/529/
17	Mr.Vishal Sathawane & Havaladar Sagar & K. R. Hari Krishna & Maheshkumar Jain & Manoj T	Detection of Skin Cancer Using VGG-16 Model	International Academic Journal	2789-7737	https://imcraaz.org/uploads/public_files/2025-03/canser.pdf
18	Mrs. Deeksha Satish, G Prakash Babu, Mohammad Aiman Suneer, Mohammed Waseem T, Nived Vinod, Febin Jose	Vision NXT: Visual Aid using Computer Vision	Middle East Research Journal of Engineering and Technology; 167-173.	2789-7737	https://kspublisher.com/articles/535/

Research Quality Paper Publications: Journal AY 2022-23

Sl.no	Author and Co-Author	Title of Research Paper	Journal (Name, issue and Page No)	ISSN	Publication Link
1	Ankush Ghosh, Shashidhar T M, Ajith Padyana,	Deep Fake Detection Using Deep Learning Technique	International Journal of Computer Science Engineering and Information Technology Research (IJCEITR)	2249-6831	IJCEITR
2	Dr. Sumanth V, Dr. Shashidhar T M, Mr. Prashanth Kumar S P	The Empirical Approach In Customer Decomposition Using MI Techniques	European Chemical Bulletin		https://www.scopus.com/sourceid/21100898023
3	Kantharaju V, Harish Kumar N, Shashidhar T M, Manujakshi B C, Deepak G, Abhay M Pamadi	Image To Image Translation Using Hid	2023-IEEE International Interdisciplinary Humanitarian Conference for Sustainability (IIHC-2023), November 3rd & 4th 2023	979-8-3503-1502-8	IIHC-2023
4	Dr. Mangala Gowri S G, Dr. Shashidhar T M, Dr. Sunitha R, Shylaja V, Dr. Girish H	Design Of 3-Bit CMOS Wallace Multiplier	The Seybold report	1533 9211	https://seyboldreport.org

Research Quality Paper Publications: Conference AY 2025-26

SL. NO.	Authors & Co Author	Title of Research Paper	Conference (Name, Volume, Issue & PageNos)
1	Pratap Patil, Mohit Bhandwal, G. Prakash Babu, Manik Rakhra,	Block chain-Enabled Secure Data Transmission Framework for Next-Generation Sensing Applications	14th International Conference on System Modeling & Advancement in Research Trends (SMART 2025)
2	Jitendra Kumar, Naina Chaudhary, Mohit Bhandwal, Pratap Patil, G. Prakash Babu and Z. Tanveer Baig	Optimization of Energy-Efficient Wireless Sensor Networks for Industrial Process Automation	14th International Conference on System Modeling & Advancement in Research Trends (SMART 2025)

Research Quality Paper Publications: Conference AY 2024-25

SL. NO.	Authors & Co Author	Title of Research Paper	Conference (Name, Volume, Issue & PageNos)
1	Pandimurugan V, Balakiruthiga B, Umamageswaran J, Angayarkanni S A, Rajaram V, Chinnasamy A	Preventing Health Records Risk Analysis with Explainable AI	2024 2nd International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS) Page No: 308 – 312 IEEE Xplore

Research Quality Paper Publications: Conference AY 2023-24

SL. NO.	Authors & Co Author	Title of Research Paper	Conference (Name, Volume, Issue & PageNos)
1	G Prakash Babu, Upendra Singh Aswal, M. Sindhu, Vijay Jagdish Upadhye, Natrayan, Harshal Patil	Enhancing Security with Machine Learning-Based Finger-vein Biometric Authentication System	2024 5th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI) Page No. 797-802 IEEE xplore
2	Gowtham Raj Mohan Raj	Development of Deep fake Detection Techniques for Protecting Multimedia information using Deep Learning	3rd International Conference on Applied Artificial Intelligence and Computing (ICAAIC-2024) Page No. 786-791 IEEE xplore
3	Prachi Pandey, Guruprasad M S, Kumar Mayank, Prashanth Kumar S P, Karthik D U	An Efficient Detection of Floating Marine Debris using Deep Learning Techniques	Bangalore Humanitarian Technology Conference (B-HTC), Page No: 5-9 IEEE xplore
4	Supreetha H H	Vulnerability Analysis on Third party Application	2024 Second International Conference on Advances in Information Technology (ICAIT-2024) IEEE Xplore
5	Vijayalakshmi S A, Geetha D Devanagavi	A Survey Of Pretrained Deep Learning (DL) Models For Plant Disease Identification	Proceedings ARSSS International Conference, Kolkata, India, 14th – 15th October, 2024 Page No: 1 - 4
6	G. Prakash Babu	Smart Contracts Student Services for Automating and Streamlining using Block Chain	Proceedings of the 2024 4th International Conference on Technological Advancements in Computational Sciences Page No: 706 – 711 IEEE Xplore

Research Quality Paper Publications: Conference AY 2022-23

SL. NO.	Authors & Co Author	Title of Research Paper	Conference (Name, Volume, Issue & PageNos)
1	Vandana Sharma, Tamizharasi S, Varalakshmi B D , Amrutha M Khangaonkar	Blockchain and Federated Learning Enabled Smart Traffic Management System for Smart Cities	4th International Conference on Intelligent Engineering and Management (ICIEM 2023) IEEE xplora
2	G Prakash Babu	Enhancing Safety and Independence: A Smart Switch Solution for Elderly Individuals Living Independently	12th International Conference on System Modeling & Advancement in Research Trends, 22nd–23rd, December, 2023 Page.Nos 302-307 IEEE xplora
3	G Prakash Babu	Design and Implementation of an IoT-Based Smart Irrigation System for Optimized Water Management in Wheat Cultivation	12th International Conference on System Modeling & Advancement in Research Trends, 22nd–23rd, December, 2023 Page Nos. 321-326, IEEE xplora
4.	Kavitha Nair R,Jimsha K Mathew , R Deepika, S Sharanyaa, M Therasa	Live Streaming Data Analysis using Distributed Stochastic Bi-LSTM Model	International Conference on Communication, Computing and Internet of Things (IC3IoT)

Research Quality Paper Publications: Book Chapter/ Book AY 2025-26

Academic year 2025 – 26 Book Chapter				
SL. NO	Authors	Name of the Book Chapter	Title of the Chapter	ISSN
1	Dr. G Prakash Babu , Aditya Ranjan, Ankit Singh, Ankit Pratap	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Credit Card Fraud Detection Using Machine Learning	978-81-968278-5-4
2	Ranjan G , Rahul Gourshetty, Rakshitha K. R, Siddarth, Sinchana M	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Anomaly Detection System: A Framework for Network and Host-Based Security	978-81-968278-5-4
3	Mr. Rajeev Bilagi , Adilkhan H Kulkarni, Vineet Gautam, Yogesh Bohara	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	DARK WEB ANALYSER USING LLM	978-81-968278-5-4



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4	Dr. Ajith Padyana, Mr. Prashanth Kumar SP, Aditya Jyoti Sahu, Anish Kumar, Dalavai Hruday, Hanji Ranjan	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Designing Video Conference Application for Distance Learning	978-81-968278-5-4
5	Mr. M Gowtham Raj, Sayan Das, Krishnandan Pandit, Aryashree	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Vocal Visage: Decoding Lip Motion to Speech	978-81-968278-5-4
6	Dr. Pandimurugan Vellaisamy, Dr. G Prakash Babu, Anusha T C, D Praveen Krishna, Deekshita C D, Laxmi Alekya	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	BERT Model for Recommending Employability Profiles	978-81-968278-5-4
7	Mrs. Varalakshmi BD, Balaji A T, Aditya S Joshi, Aneesh R, Aditya V Patil	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Automatic helmet detection	978-81-968278-5-4
8	Shrijan Singh, Rahul Raj, Sankalp Raj, Sheshmani Chaudhary	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Multi-disease Prediction Using Deep Learning	978-81-968278-5-4
9	Shruthi N G, Dr. G Prakash Babu, Ramakrishna V M, Kalash Kumari, Kavya B V, Keerthi Yadav K	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Blockchain Based Chat Application	978-81-968278-5-4
10	Vijayalakshmi S A, A Mohammed Shabaz, Harsha Y, Mohan H S, Prajwal P	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	AI Trip Planner: Revolutionizing Travel with Artificial Intelligence and Real-Time APIs	978-81-968278-5-4
11	Mr. Srikanth S P, Keerthana K H, Lasya Kuna, Lavanya H D	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Multilingual Obesity Prediction Using Machine Learning Approach	978-81-968278-5-4
12	Mr. Jawahar Jonthan K, Mr. SRIKANTH S P, Harsh Upreti, Harshini Gajanan Bhat, Huzaif Abid Parray,	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Deploying an Application on an AWS Kubernetes Cluster	978-81-968278-5-4
13	Prof. Supreetha H H, Subhashree J, Vennapusa Manish Reddy, Sujan K C, Sugumanchi Prem Charan	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Android Malware Detection	978-81-968278-5-4



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www.ait.ac.in, Email: hod-cse@acharya.ac.in

14	Mrs. Deeksha Satish, Dr. G Prakash Babu, Kusum, Isha Rathore, Navneet Ujjwal, Shreya Singh	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	TWITTER SENTIMENTAL ANALYSIS USING NLP TOOLKIT	978-81-968278-5-4
15	Mr. Gururaj P, Sayan Deep Roy, Raman Kumar, Vinay, Rahul Nath	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Job Recruitment Analysis	978-81-968278-5-4
16	Mr. Gururaj P, Kedaralingayya, Kiran S, Lekhan, M Gnaneshwar Reddy	Next Gen AI: Bridging Technology, Health and Human Centered Solutions	Generating Long Form Videos from Text using GenAI	978-81-968278-5-4
17	Dr. G Prakash Babu, Mr. Prashanth S P, Ayush Bal, Purvi Singh, Abhiraj Das, Akshara A.S	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	ELYSIUMGATE: NFTS FOR EVENT PERFECTION	978-81-968278-4-7
18	Mr. Rajeev Bilagi, Lalitha sri Boddu, Nisarga H S, Muhammed Shafeeq K	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Real-Time Auction Bidding Platform Using Flask and MongoDB	978-81-968278-4-7
19	Mrs. Sneha N P, Sandhya P, Vandana K, Saniya Kousar B, Mrs. Vishal Sathawane	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	A mobile application for teaching and training special children	978-81-968278-4-7
20	Mrs. Sneha N P, Snehal Salian, Rahul SV, Sagar Rathod	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Youtube Comments Sentiment Analyzer	978-81-968278-4-7
21	Mr. Gururaj P, Sri Hari Y S, Gagan Patil S, Sudeep H, Yashwanth Chodary U	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Prediction and Classification of Cardiac Arrhythmia Using Machine Learning	978-81-968278-4-7
22	Mrs. Bharathi K, Sachin Singh, Shivam Bharti, Ranjith Crystal Daniel, Shailly Agarwal	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Preliminary Skin Diagnosis using Convolutional Neural Network	978-81-968278-4-7
23	Mr. Vishal Sathawane, Mr. M Gowtham Raj, Srushti s adnur, U Rakshith Adithya, Tanishq b n, Supritha R	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Breast Cancer Detection using CNN	978-81-968278-4-7



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24	Mrs. Soniya R , Prateek, Piyush Chand, Snehil Sanjeet Jena	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Handwriting Digitalization	978-81-968278-4-7
25	Janhavi I, Prof. Kamala K , Dhanushree S, Darshana K S Raju	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Fake Product Review Detection Using Deep Learning Techniques	978-81-968278-4-7
26	Prof. Kamala K , Vijay Kumar B A, Madesh P, U Sivakumar, Janith L V	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Liver Disease Prediction using Machine Learning Algorithms	978-81-968278-4-7
27	Mrs Rakshitha BT, Bhuvan Belegadde, Syed Afridh Pasha, Visruth Ramesh K	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	Autism Spectrum Disorder Detection	978-81-968278-4-7
28	Mrs.Soniya R , Sankalp D, Samarth D V, Shramanth Reddy A, V Pavan Reddy	AI in Action: Revolutionary Applications in Security, Healthcare, and Technology	TechCart Customizations: Enhancing E-Commerce Personalization	978-81-968278-4-7
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1	Pandi murugan, Jawahar jonathan, Soniya R	Hardware security and challenges in wireless and implantable medical devices	Hardware security and challenges in wearable

Research Quality Paper Publications: Book Chapter/ Book AY 2023-24

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1	Varalakshmi B D, Nagapushpa K P, Mallamma C G, Aruna M	Networks, technology, security, and applications in the health sector for iot enabled smart wearable: a review	Futuristic Trends in IOT Volume 3 Book 4, IIP Series, Page No.159-170, e-ISBN:978-93-6252-596-3
2	Mallamma C. G, Varalakshmi B. D, Nagapushpa K	Smart Navigation Assistsance System for the Visually Impaired	Futuristic Trends in IOT Volume 3 Book 5, IIP Series, Page no.209-226, e-ISBN: 978-93-6252-786-8,
3	Danish Ather, Rajneesh Kler, Tanveer Baig Z, G.Prakash Babu,	Network Security and Data Privacy in 6G Environment: Impacts and Challenges	Network Security and Data Privacy in 6G Environment: Impacts and Challenges, CRC, Taylor and Francis, U.K.

Research Quality Paper Publications: Book Chapter/ Book AY 2022-23

SL. NO	Authors & Co Author	Name of the Book Chapter	Title of the Chapter
1	Dr. Shashidhar T M, Dr. Manujakshi B C, Dr. Kavitha R S, Dr. Ramya R S, Dr. Ramya S, Dr. Madhusudan	SIPH	Digital Image Processing
2	Ms. Bhavani R, Ms. Thenmozhi E., Dr. Dilip Kumar Sharma, Dr. Shashidhar T M, Dr. Arvind Kumar	Nitya Publications	Data Communication Network
3	C.R. Kavitha, M.Varalatchoumy, H.R.Mithuna, Bharathi K. , N.M.Geethalakshmi, Sampath Boopathi	Applications of Synthetic Biology in Health, Energy, and Environment	Energy Monitoring and Control in the Smart Grid. Energy Monitoring and Control in the Smart Grid: Integrated Intelligent IoT and ANFIS

Research Quality Paper Publications Text Books

Text Book 2025-26				
1	Dr. Sujatha B M , Dr. Manjunath R C	Shivika Publications	Principles of Communication System	978-81-987027-9-1
2	Dr. Shashidhar T M, Prashanth Kumar S P	Clever Fox Publishing	Applied Quantum Computing with Python	9789375001690

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S. No.	Name of the Authors	Patent Details			
		Title of the Patent	Application No.	Date of Application/ publication	Publication Status
1	Mr. Ganesha H S, Mr. Madan Prasad C S, Mr. Manu G, Mr. Prashanth Kumar S P , Dr. Sumanth V, Dr. Shashidhar T M	Applying Artificial Intelligence Techniques To Improve Production Planning And Scheduling	202311035893A	23-05-2023	Published
2	Dr. Manjukakshi B C Dr. Shashidhar T M Dr. Kantaraju V Mr. Prashanth Kumar S P Dr. Sumanth V	Design Of Smart Robot	400413-001	21-11-2023	Published
3	Rakshitha B T , Bhavyashree S P	AI Based Smart And Protective Head Gear		14/08/2024	Under Process
4	Dr.Komal C R Dr. Thippeswamy G Prof.Pushpalatha Prof.Bharathi K. Prof.Mithuna Dr.Umapathi Prof.Supriya Prof.Geethalakshmi	Wireless 5G Home Router'	6351610	07/03/2024	Published
5	Dr. R. Maheswar Dr. N. Chandrasekharan	Wheeler Chair Control And Driving	202441088714	22/11/2024	Published



Department of Computer Science and Engineering

Acharya Institute of Technology

Affiliated to VTU, recognized by GOK and Approved by AICTE, New Delhi Accredited by NAAC and NBA

Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA

www.ait.ac.in, Email: hod-cse@acharya.ac.in

	Dr. S. Rajasoundaran Dr. K.C. Ramya Dr. S. Malathy Dr. K. Vishnu Murthy Mr. N. Aravindhraj Dr. V. Pandimurugan Ms. V. Mythily	Assistance System Aid By Generative AI			
6	Mrs. A.Menaka Mr. Gowtham Raj Dr.S.Sathishkumar Mrs. P.Nanthini Mrs. Manjula Devi P Mrs. Rachitha M V	Intelligent Robotic System For Remote Wireless Sensor Energy Replenishment And Data Collection	202441092665	27-11-2024	Published
7	Mr. Ganesha H S, Mr. Madan Prasad C S, Mr. Manu G, Mr. Prashanth Kumar S P	A Fitness Tracker That Analyzes Bio- Impedance For Advanced Health Monitoring	202511002847	24-01-2025	Published
8	Mrs. Madhavi Latha Pandala, Mrs. Sneha N P Mrs. Supreetha H H Mr. Jawahar Jonathan K Dr. V Pandi Murugan	Artificial Intelligence Based USB Device For Managing Multiple Small Devices	439388-001	03-12-2024	Published
9	Mrs. Varalakshmi B D, Rakshitha B T, Shruthika Rampure, Vijaya Lakshmi SA, Bhavyashree P	Wearable IoT Devices for Continuous Human Vital Signs Acquisition and Analysis	202541123057A	06-12-2025	Published



Department of Computer Science and Engineering

Acharya Institute of Technology

Affiliated to VTU, recognized by GOK and Approved by AICTE, New Delhi Accredited by NAAC and NBA
Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA
www.ait.ac.in, Email: hod-cse@acharya.ac.in

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		Title of the Copyright	Application No.	Date of Application/ publication	Publication Status
1	Dr. Ajith Padyana, Sneha N P, Vishal Sathawane	Malicious URL detection Model Using NLP and LLM		14/08/2024	Under Process
2	Bhavyashree S P, Rakshitha B T	Optimizing Crop Choices Using Data Analytics		14/08/2024	Under Process
3	Dr Sujatha B M, Dr. Ajith Padyana	Web Secure-Enhancing User Data Security Against Phishing Using Form Swapping	L-159031/2024	31/12/2024	Published

List of Ph.D Registered Supervisors 2025-26

S.No	Name of the Research Supervisor	Internal / External	No. of Scholars	No. of Scholars Pursuing	No. of Scholars Completed
1	Dr. Nagaveni	External	05	05	-
2	Dr. Ajith Padyana	Internal	01	01	-
3	Dr. Kala Venugopal	Internal	01	01	-



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Acharya Institute of Technology

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Acharya Dr. Sarvepalli Radhakrishnan Road, Acharya P.O., Soladevanahalli, Bangalore-560107, INDIA
www.ait.ac.in, Email: hod-cse@acharya.ac.in

Research scholar Status

S. No.	Name of the Supervisor	Name of the scholar	Year of registration of the scholar	Title of the thesis for scholar	Status of Scholars
1	Dr. Ajith Padyana	Raghuram S	2025-26		Fresh Registration
2	Dr. Kala Venugopal	Shilpashree S	2025-26		Fresh Registration
3	Dr. Nagaveni V	Ashwini N	2018-19	Automated Forecasting Of Time Series Using Computational Intelligent	Ph.D Awarded
		Navya Shridhar C S	2018-19	A Secure Authentication And Automated Device Type Identification In IOT	Comprehensive VIVA completed.
		Shruthi U	2018-19	A Intelligent System For Detection And Classification Of Plant Disease Using Parallel Ann	Comprehensive VIVA completed.
		Sohara Banu A R	2019-20	Effective Way To Fall Prediction By Utilizing Through HRV Data Of High Blood Pressure Patients	Comprehensive VIVA completed.
		Karthik D U	2021-22	A Systematic Approach To Cloud Security Using Sedas Platform	Course Work Finished. Waiting for Comprehensive VIVA
		Anuradha U	2021-22	Crypting Of Land Records And Land Deviation In India Using Block Chain Technology	Course Work Finished. Waiting for Comprehensive VIVA