



DAYANANDA SAGAR
UNIVERSITY

FACULTY ACHIEVEMENTS



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Prof. Sushma. D.S and Prof. Tanaya Bala, Assistant Professors, Department of CSE has participated in the Five-Day Faculty Development Program on "DevOps & MLOps", held from 30th June 2025 to 4th July 2025, organized by the Department of CSE (Data Science), School of Engineering, Dayananda Sagar University.

Prof. Sushma. D.S, Assistant Professor, Department of CSE has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on AI-Driven Medical Image Fusion Analysis and Disease Prediction in Healthcare at Rajeev Institute of Technology from 14/07/2025 to 19/07/2025.



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Prof. Sushma D S, Assistant Professor, Department of CSE presented a two papers titled “Brain tumour detection” and “Osteoporosis detection using deep learning” at the third International Conference on Intelligent and Secure Engineering Solutions (CISES-2025) during 11th to 13th August 2025 organized by Department of Master of Computer Applications, G.L. Bajaj Institute of Technology & Management, Greater Noida, U.P, India.



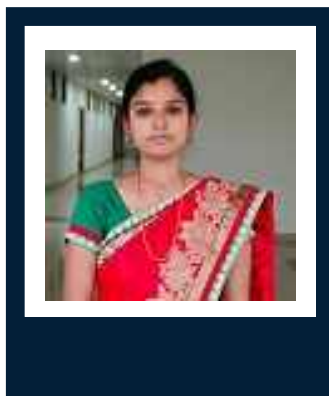
Dr. Savitha Hiremath, Associate Professor and Dr Basavaraj N Hiremath, Professor, Department of CSE Successfully Completed Certification from the SWAYAM-NPTEL 3-credit Proctored exam during May 2025 for the course titled "Generative AI and Large Language Models" offered by the Indian Institute of Management, Bangalore and the Certificate received on 9th July 2025.

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(12) PATENT APPLICATION PUBLICATION		(21) Application No. 202541072304 A
(19) INDIA		
(22) Date of filing of Application : 08/07/2025		(43) Publication Date : 05/09/2025
(54) Title of the invention : System and Method for Dynamic Similarity Thresholding in Semantic Caching for LLM-Based Retrieval-Augmented Generation Pipelines		
(51) International classification	G06F0940300000, G07K0019000000, H04L0007500000, G06F001A130000, G06T0007130000	(71) Name of Applicant : J Jayaswanda Sagar University Address of Applicant : Devarakaggalhalli, Hanthalli, Kankapura Road, Bengaluru South District - 562 112, Karnataka, India
(66) International Application No	NA	Name of Applicant : NA
(67) International Publication No	NA	Address of Applicant : NA
(61) Patent of Addition to Application Number	NA	(72) Name of Inventor : 1 Savitha Hiremath Address of Applicant : 443, 8th cross, Shanthinagar, JP Nagar Phase 1, Bengaluru-560078, Karnataka, India Bengaluru
(62) Divisional to Application Number	NA	2 Basavaraj N Hiremath Address of Applicant : 96032 Cedar, Solihua Forest View, Vajarahalli Main Road, Thalaghatapana, Bengaluru-560109, Karnataka, India Bengaluru
(57) Abstract	Title: System and Method for Dynamic Similarity Thresholding in Semantic Caching for LLM-Based Retrieval-Augmented Generation Pipelines The disclosure depicts a Dynamic Similarity Thresholding System for optimizing semantic caching in LLM-Based Retrieval-Augmented Generation (RAG) systems. Unlike traditional approaches that rely on fixed similarity thresholds, this system computes a dynamic, context-aware threshold for each query based on real-time signals such as query intent, domain sensitivity, session history, and user profile. It enables flexible reuse for casual queries while enforcing strict thresholds for critical domains like healthcare, thereby balancing efficiency with accuracy. The system helps full and partial cache reuse, leveraging semantic similarity even in rephrased or synonym-rich queries. It incorporates session-aware logic, allowing detection of repeated intent across varied phrasing, and uses a density-weighted scoring model for threshold computation. Preliminary implementation demonstrates reduced LLM invocation, improved latency, and preservation of response quality. With no hardcoded limits and support for personalization and learning-based adaptation, the invention offers a novel, scalable, and environmentally efficient solution not found in current RAG caching frameworks.	
No. of Pages : 18, No. of Claims : 10		

Dr. Savitha Hiremath, Associate Professor and Dr Basavaraj N Hiremath, Professor, Department of CSE Successfully published an Indian patent with the title “System and Method for Dynamic Similarity Thresholding in Semantic Caching for LLM-Based Retrieval-Augmented Generation Pipelines” with the application number is 202541072304 during 5th September 2025.



Dr. Renuka Devi M N, Assistant Professor, Department of CSE has successfully presented research Paper on "A CNN-GAN Integrated Framework for Enhanced Glaucoma Detection and Optic Cup Damage Estimation Using Fundus Images" at the NextGen Tech Conference 2025, held on 14-07-2025, organized by NextGen Tech Conference 2025.

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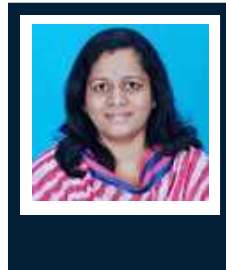


Dr. RenukaDevi M.N, Assistant Professor, Dept. of CSE virtually Presented a research paper titled “A Novel Framework for Analyzing Classroom (Lecturer) Videos Using RNN and CNN” at the Sixteenth International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025), held from July 06-11, 2025, at IIT Indore, in association with the IEEE Electronics Packaging Society and the All India Council for Technical Education (AICTE).



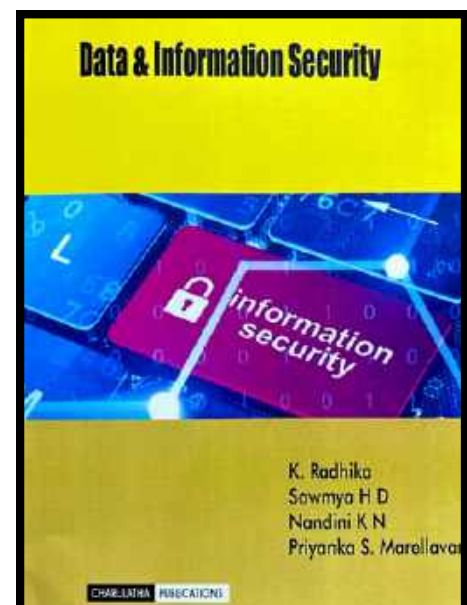
Dr. George Fernandez I, Dr. Savitha Hiremath, Dr. Meenakshi Malhotra, Associate professors and Dr. Sasikala Nagarajan, Assistant Professor, Department of CSE extended their service as a session chair for the technical presentation session and contribution towards the successful organization of IEEE Technical Sponsored 4th International Conference on Advances in Computing, Communication and Applied informatics (ACCAI 2025) held at St.Joseph's College of Engineering, Chennai, Tamil Nadu, India, during 10th - 11th, July 2025.

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Dr. George Fernandez I, Associate professor and Prof. Radhika K, Prof. Sowmya H D, Prof Priyanka S Marellavar, Assistant Professors Department of CSE presented the research paper entitled “A Blockchain-Based Livestreaming Platform Leveraging Decentralized Video Transcoding” in the IEEE Technical Sponsored 4th International Conference on Advances in Computing, Communication and Applied informatics (ACCAI 2025) held at St.Joseph's College of Engineering, Chennai, Tamil Nadu, India, during 10th - 11th, July 2025.

Prof. Radhika K, Prof. Sowmya H D, Prof Priyanka S Marellavar, Assistant Professors, Department of CSE has authored the textbook titled “Data & Information Security” Published by the Charulatha publications during July 2025 with ISBN is 978-93-6260-126-1.



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Application Details	
APPLICATION NUMBER	202541083744
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/09/2025
APPLICANT NAME	1. K. Radhika 2. Dr. George Fernandez I. 3. Dayananda Sagar University
TITLE OF INVENTION	TDP-QIMLE: A Multi-Layered Cryptographic Framework Using Temporal Differential Privacy and Quantum-Inspired Encryption for Secure Cloud-Based EHR Storage
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL ADDRESS	gfernandez@dsu.ac.in
ADDRESS FOR CORRESPONDENCE	gfernandez@dsu.ac.in
ADDRESS FOR SERVICE	gfernandez@dsu.ac.in
INVENTOR NAME	1. K. Radhika 2. Dr. George Fernandez I. 3. Dayananda Sagar University
REQUEST FOR EXAMINATION DATE	26/09/2025
PUBLICATION DATE (if any)	26/09/2025

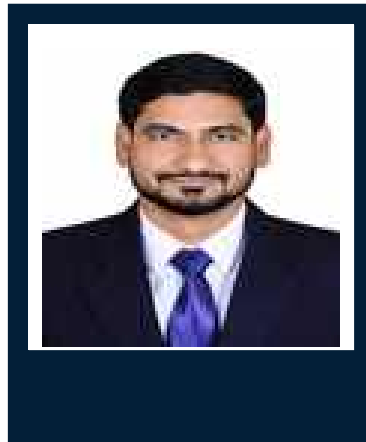
Application Status

APPLICATION STATUS: **Awaiting Request for Examination**

View Documents

Process Flow: Draft → Filed → **Under Examination** → Grant

Prof. Radhika K, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE published a patent titled “TDP-QIMLE: A Multi-Layered Cryptographic Framework Using Temporal Differential Privacy and Quantum-Inspired Encryption for Secure Cloud-Based EHR Storage” by the Indian Patent Office under the application number 202541083744 on 26/09/2025 under the applicant name Dayananda Sagar University.



Dr. Sivananda Reddy, Associate professor, Department of CSE has successfully published a research paper titled "FL-DPCSA: Federated learning with differential privacy for cache side-channel attack detection in edge-based smart grids" in the Q1 Journal (ScienceDirect) named e-Prime - Advances in Electrical Engineering, Electronics and Energy during July 2025.

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Dr. Sivananda Reddy, Associate Professor, Department of CSE published a patent titled “Artificial Intelligence-Based Tool for Automated Analysis of Histopathological Images in Cancer Diagnosis” by the Indian Patent Office under the application number 202541075012A on 22/08/2025.



Dr. George Fernandez I, Associate Professor, Prof. Mala B A and Prof. Bharath M B, Assistant Professors Dept. of CSE are contributed as a REVIEWERS for the 11th International Conference on Electronics, Computing and Communication Technologies, IEEE CONECCT (July 10-13,2025) organized by IEEE Bangalore section at Sterling's Mac Hotel, Bangalore.

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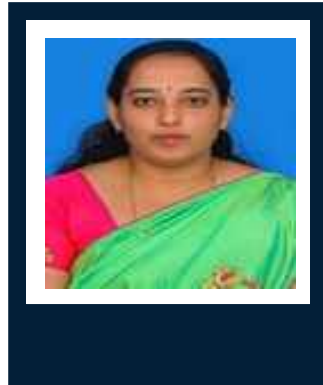
Dr. George Fernandez I, Associate Professor, Department of CSE Served as a Reviewer for the European Journal of Scientific Research And Reviews for reviewing 1 manuscript in 2025.



Dr George Fernandez I, Associate Professor, Department of CSE Served as a REVIEWER for 1 manuscript in the European Journal of Scientific Research And Reviews during 29th August 2025.



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Prof. Mala B A, and Prof. Arpita Paria, Assistant Professors, Department of CSE has published a paper titled “AVI-Based Assessment of Communication Skills and Personality Characteristics” in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.



Prof. Mala B A, Assistant Professor, Department of CSE, has successfully presented the paper entitled “The Need for Sustainable AI-Based Green Technology for Soil Management in Agriculture” , at the 4th World Conference on Information Systems for Business Management (ISBM-2025), Bangkok, Thailand online during 24 - 26 September, 2025.



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Prof. Mala B A, Assistant Professor, Department of CSE has published a paper titled “A Decentralized Electronic Health Record System to Enhance Data Security and Accessibility in Healthcare Using Ethereum Blockchain Technology” in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.



Prof. Mala B A, Assistant Professor, Department of Computer Science and Engineering has actively participated in the Online Faculty Development Program (FDP) on “Quantum Computing: Foundations, Algorithms and Applications” conducted from August 4th to August 9th, 2025, organized by Guru Nanak Institutions, Hyderabad.

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Prof. Mala B A, Assistant Professor, Department of CSE contributed as paper reviewer to the “Springer 8th International Conference on Intelligent Computing and Communication (ICICC-2025)” organized by the Department of CSE, CSE(AI&ML), CSE(Data Science), CMR Technical Campus, Hyderabad, Telangana during 26 & 27 September, 2025.



Dr. Arunkumar Gopu, Dr. George Fernandez I, Associate Professors, Department of CSE received a Consultancy project funding of Rs. 2lakhs as Co-principal Investigators for the project titled "a) Kinematics Synthesis of pantograph Mechanism using Matlab/Ansys/ Any Cad Software and b) CFD Analysis for Hr Pantograph @0 Degree and 180 Degree at Different Height and Different Field Speeds” from SPM India Limited, Bangalore Mysore Highway Ketaganahalli Village Bidadi Hobli Ramanagar Taluk during August 2025.

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Prof. Bharath M B, Assistant Professor, Department of CSE has published a paper titled “Cross-Site Scripting Attack Detection: A Comparative Study of Traditional and Deep Learning-Based Solutions” , in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.



Prof. Bharath M B, Assistant Professor, Department of CSE Presented a research paper titled “Dual-scale attention enhanced dense U-net based diabetic retinopathy using retinal vessel segmentation” at the International Conference on Grid and Parallel Computing (ICGPC 2025), held on 19th July, 2025, organized by St. Peter's Institute of Higher Education and Research in Chennai, India.

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Prof. Bharath M B, Assistant Professor, Department of CSE served as a REVIEWER for IEEE International Conference on Communication, Computer, and Information Technology (IC3IT-2025) organized at Mysuru Royal Institute of Technology, Mandya, India, IEEE Mysore Subsection and IEEE Bangalore Section during September 2025.



Prof. Bharath M B, Assistant Professor, Department of CSE, has successfully presented the paper entitled "Robust Federated Hybrid Deep Learning for Privacy-Preserving Cross-Site Scripting Detection with Adversarially Enriched Datasets" at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th -20th , September 2025.

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Prof. Benaka Santhosha S, Assistant Professor, Department of CSE has published a paper titled “Efficient Partial Image Encryption Using Genetic Algorithm for Time Saving Applications” in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.

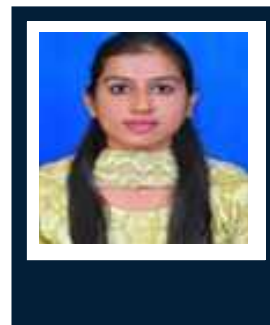


Prof. Dharmendra D.P, Assistant Professor, Dr. Rajesh T M, Associate Professor, Department of CSE and Dr. Jayasudha B, Professor, Dept of Dentistry, CDSIMER, DSU has published a paper titled “Investigation on Advances in canines and premolars width estimation in the given Dental Panoramic Radiographic Images” in the Grenze International Journal of Engineering and Technology during July 2025, which was presented in the Second International Conference on Emerging Technologies in Science and Engineering, Akshaya Institute of Technology, Tumkur, Karnataka.

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Dr. Nixon J S, Professor, Department of CSE has successfully participated and attended one week online FDP on the topic “Quantum Communication, Computing and its Applications” (QCCA-2025) from 7th to 12th July 2025 organized by Annant Gyan Knowledge and Skills Pvt Ltd.



Prof. Bharath B and Prof. Yashaswini H C, Assistant Professors, Department of CSE successfully completed Faculty Enablement Program (FEP) on Python Programming using Infosys Springboard platform conducted by Infosys during 16th July 2025.

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Prof. Bharath B, Assistant Professor, Department of Computer Science and Engineering has successfully completed all the requirements to be certified globally as Snowflow Associate: platform from Snowflake on 31st August 2025 valid for 2 years.

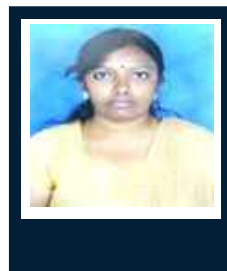


Dr. Bondu Venkateswarlu, Professor, Department of CSE successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Quantum Computing with Artificial Intelligence: Convergence and Applications” at Gayatri Vidya Parishad College for Degree and PG Courses from 25/08/2025 to 30/08/2025.

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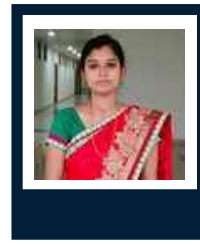


Dr. Prabhakar M, Professor, Department of CSE Served as a Resource Person for the Five Day Faculty Development Program on “Avenues of Machine Learning in Core Engineering Applications” organized by ATME College of Engineering, Mysore from 28th July to 1st August 2025.



Dr. George Fernandez I, Associate professor and Dr. T Gayathri, Assistant Professor, Department of CSE Published a Paper in the Scopus indexed Q2 Journal named Journal of Internet Services and Information Security (JISIS), with the title “Adaptive QoS Policies in Smart City Mobile Networks” during July 2025 with volume: 15, pp. 160-172. DOI: 10.58346/JISIS.2025.I2.012.

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Dr. Rajesh T M, Associate Professor and Dr. Renuka Devi M N, Assistant Professor, Department of CSE participated in the Six days Faculty development Program on “Biomaterials and Nanomaterials in Biomedical and Clinical Applications” organized by Department of Medical Electronics Engineering, Dayananda Sagar College of Engineering from 14th to 19th July 2025.



Dr. George Fernandez I, and Dr. Revathi V, Associate Professors, Department Computer of Science and Engineering served as a Session Chair for the technical presentations and contributed towards the successful organization of IEEE sponsored 1st International Conference on Recent Innovation in Science, Engineering and Technology (ICRISET 2025) held at Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

FACULTY ACHIEVEMENTS



Dr George Fernandez I, Associate Professor, Prof. Sowmya H D and Prof. Soumadip Mondal, Assistant Professors, Department of CSE presented the research paper entitled "Intelligent Load Balancing for AI-Enhanced Edge-Cloud Architectures" in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

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Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE presented the research paper entitled “AI-Driven Integration of Multimodal Neuroimaging for Vision Defect Detection and Classification” in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.

Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE presented the research paper entitled “Automated Wireless Charging System for Electric Vehicles Using Cloud Control” in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, on 1st & 2nd, August 2025.



 Office of the Controller, General of Patents, Designs & Trade Marks Department for Promotion of Technology and Intellectual Trade Ministry of Commerce & Industry Government of India	
Application Details	
APPLICATION NUMBER	202541071731
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	29/07/2025
APPLICANT NAME	1. Diana George 2. Santosh Kumar Jankatti 3. Dayananda Sagar University
TITLE OF INVENTION	An Adaptive Real-Time Seizure Warning System Using CNN, Fuzzy Logic and Reinforcement Learning Optimized for Edge Deployment
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	sjankatti@gmail.com
ADDITIONAL-EMAIL (As Per Record)	sankatti@gmail.com

	S.I) Applications Received till 12.01.21 A
	IEB Publication Date : 01/08/2021
	Issue Warning System Using CNN, Fuzzy Logic, and Reinforcement Learning Optimizer
	(I)Name of Applicant : Elifkaya Gorgo Address of Applicant: Elmas Gorgo Faculty of Dentistry Science and Engineering Department Sagur University Of Burgazada Kanakata India 562112 shanagege-sagur@univ.edu.tr
	(II)Senthil Kumar Jankam Z.Deyasandhi Sagar University Name of Applicant : SA Address of Applicant : NA (III)Name of Invenstor : Elifkaya Gorgo Address of Applicant : Dhanu George Faculty of Depertment and Engineering Devasandhi Sagar University Devasandhi Kanakata India 562112 shanagege-sagur@univ.edu.tr
	Z.Mahadev S Address of Applicant: Mahadev S Assistant Professor, EC Devasandhi Sagar Academy of Technology and Management
	ZDr. RAJPAVE C V Address of Applicant : Assistant Professor, ECE Department Academy of Technology and Management India: 7620177, ec@dr.rajpave.com in Burgazada
	ZDr. Ravikumar HC Address of Applicant :Assistant Professor, ECE Department Academy of Technology and Management India: 5644163 ravku@iprpsat.com Burgazada
	ZDr. Santosh Kumar J Address of Applicant : Associate Professor Computer Science Department Devasandhi Sagar University Innovation City Main road Haravalli Burgazada South 562112 Santoshkumar jankam@cs.sagur-university.edu.in

Prof. Diana George, Assistant Professor, Department of CSE, published a patent titled “An Adaptive Real-Time Seizure Warning System Using CNN, Fuzzy Logic, and Reinforcement Learning Optimised for Edge Deployment” by the Indian Patent Office under the application number 202541071731 on 29/07/2025.

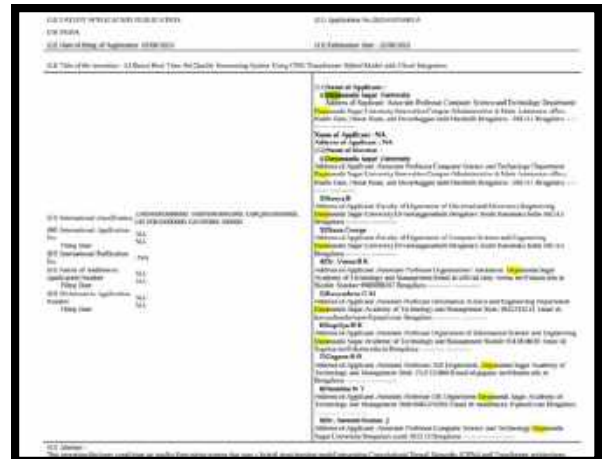
Dr George Fernandez I, Associate Professor, and Prof. Diana George, Assistant Professor, Department of CSE published a patent titled “An Explainable AI-Based Multimodal Brain Imaging Framework for Early Detection and Classification of Neurological Vision Defects” by the Indian Patent Office under the application number 202541073666A on 22/08/2025.

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Prof. Diana George, Assistant Professor, Department of CSE published a patent titled “AI-Based Real-Time Air Quality Forecasting System Using CNN-Transformer Hybrid Model with Cloud Integration” by the Indian Patent Office under the application number 202541074449A on 22/08/2025.



Prof. Diana George, Assistant Professor, Department of CSE published a patent titled “Neuro-Fuzzy Reinforcement Learning for Personalized Seizure Warning System on Edge Devices ” by the Indian Patent Office under the application number 202541073844A on 22/08/2025.



Prof. Diana George, Assistant Professor, Department of CSE published a Q4 paper in the Journal named “International Journal of Engineering Trends and Technology” with the title “Next-Gen Air Quality Index Forecasting with Hybrid Machine Learning Models and Cloud Synergy” Volume 73 Issue 8, 129-136, 30th August 2025. <https://doi.org/10.14445/22315381/IJET-V73I8P111>



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Prof. Diana George, Assistant Professor, Department of CSE has successfully presented 2 a research paper online titled “A Novel Approach for Crowd Analysis and Density Estimation by using Machine Learning Techniques” and “Improving Sentiment Analysis of Text Messages using Swarm-based Feature Selection and Deep Learning Techniques” at IEEE Madhya Pradesh Section Conference 2025 (MPCON 2025) in Association with Shri Ram Institute of Technology, Jabalpur, Madhya Pradesh, during 29th and 30th August 2025.

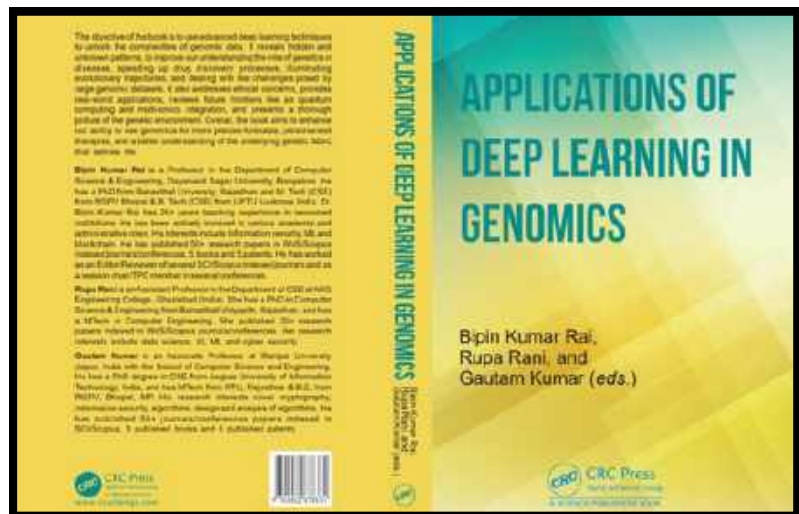


Prof. Diana George, Assistant Professor, Department of CSE has presented online paper entitled “Smart Waste Management using Vision Transformers and Swarm Robotics” at the 9th International Conference of Combinatorics, Graph Theory, and Network Topology which will be held on 10 - 11 September 2025 in the University of Jember, East Java, Indonesia.

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Prof. Santosh M, Assistant Professor, Department of CSE, attended a five-day FDP on "5G & Beyond: Bridging Tomorrow" from 28 July to 1 August 2025 in the NOKIA Bengaluru company under NBUC (Nokia Bengaluru University collaboration).



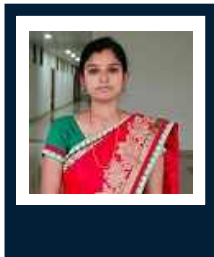
Dr. Bipin Kumar Rai, Professor, Department of CSE has published an edited Book titled "Applications of Deep Learning in Genomics" by the publisher Routledge CRC Press during August 2025 with ISBN 9781032878331

Link: <https://www.routledge.com/Applications-of-Deep-Learning-in-Genomics/KumarRai-Rani-Kumar/p/book/9781032878331>



Dr. Bipin Kumar Rai, Professor, Department of CSE have taken a session on "AI and Blockchain for Healthcare" in an International Invited Talk on "GENERATIVE AI IN BUSINESS: Bridging Sustainability, Health and Education" at Holy Cross College (Autonomous), Tiruchirappalli Hosted by the School of Management Studies, Department of Commerce - Computer Applications during 4th August 2025. During his talk he shared how cutting-edge technologies are transforming patient care, data security, and digital health systems and also bridging innovation and healthcare through tech-driven solutions.

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Dr. Rajesh T M, Dr. Praveen Kulkarni, Associate Professors, Dr. Naresh P, Dr. RenukaDevi M N, Prof. Kavyashree I Pattan, Assistant Professors, Mr. Tejasvi D (ENG22CS0482), final year CSE student presented a conference paper titled “AI-Driven Urine Analysis for Non-Invasive Kidney Stone Detection: A Machine Learning Approach” in the 3rd IEEE International Conference on Networks, Multimedia, and Information Technology (NMITCON-2025) is being organized at Nitte Meenakshi Institute of Technology, Bengaluru, INDIA, from 1st to 2nd August 2025, in association with the IEEE Bangalore Section.

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Dr. Rajesh T M, Associate Professor, Prof. Bharath M B and Prof. Pooja Shree H R, Assistant Professors, are successfully participated in the Workshop on "Crafting Research Excellence: Where to Publish, LaTeX & Research Metrics", held from 4th to 6th August 2025, organized by the IEEE Signal Processing Society (SPS) Bangalore Chapter and IEEE Women in Engineering (WIE) Affinity Group, Bangalore Section, as a curtain raiser event for ICWITE 2025.



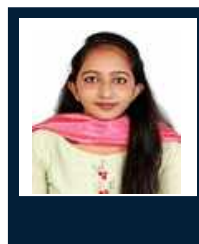
Dr. Shashikiran Venkatesha, Associate Professor, Department of CSE has successfully presented a paper titled "Voice E-Mailer System with Face Recognition using Machine Learning Techniques" at the 3rd International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2025) organized by Erode Sengunthar Engineering College, Erode, Tamil Nadu, India on 6-8, August 2025.

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Dr. Natarajan Venkateswaran, Professor of Practice, and Dr. Naitik S T, Assistant Professor, Department of CSE, Participated in the Faculty Development Program “Entangle 2025: A Hands-on Workshop on Quantum Computing and its Emerging Paradigms” from 6th to 10th August 2025 organized by the Department of Computer Science & Technology, Dayananda Sagar University, Bengaluru.

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Prof. Kavyashree I Pattan, Dr. Renukadevi M.N, Prof. Pooja Shree H R, Prof. Nandini K, Prof. Arpita Paria, Assistant Professor, Dr. Revathi V, Associate Professor, presented a paper titled “NeuroGaitAssist: Advanced Gait Analysis for Detecting Neurological Disorders and Aiding Paralysis Patients” at the 9th International Conference on Inventive Systems and Control (ICISC-2025) organized by the JCT College of Engineering and Technology, Coimbatore, Tamil Nadu, India 12-13, August 2025.

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Dr. S Gokulakrishnan, Assistant Professor, Department of CSE, has successfully completed the AICTE-evaluated 2-Week Patent Course organized by Turnip Innovations during 4th to 17th August 2025.



Dr. S Gokulakrishnan, Assistant Professor, Department of CSE, has successfully completed the FDP on “Generative AI” held from 4th to 8th August 2025 organized by Brainovision Solutions India Pvt. Ltd, in Collaboration with AICTE hosted by Army Institute of Technology.



Dr. S Gokulakrishnan, Assistant Professor, Department of CSE, has successfully presented a research paper online, titled “Enhancing Marketing Strategies through Big Data-Driven Customer Journey Mapping: An Analysis Using Machine Learning Algorithms” at IEEE Madhya Pradesh Section Conference 2025 (MPCON 2025) in Association with Shri Ram Institute of Technology, Jabalpur, Madhya Pradesh, during 29th and 30th August 2025.

FACULTY ACHIEVEMENTS



Dr Basavaraj Hiremath, Professor and Dr George Fernandez I, Associate Professor, Department of CSE, published a research paper titled “Turkish Raisin Classification Through Deep Learning Prediction Models” in the Scopus indexed Springer LNNS series “Data Mining and Information Security” Proceedings of ICDMIS 2024, Volume 5 ISBN 978-981-96-6065-0, <https://doi.org/10.1007/978-981-96-6066-7>.



Prof. N. Muthu Bala, Assistant Professor, Department of Computer Science and Engineering published her research paper in the scopus indexed Q2 journal with the title “Hybrid Deep Learning Model Based Lung Cancer Prediction and Classification with OTSU Segmentation Method” in the journal “Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA)” , volume: 16, number: 2, pp. 75-94. DOI: 10.58346/JOWUA.2025.I2.005 during August 2025.

FACULTY ACHIEVEMENTS

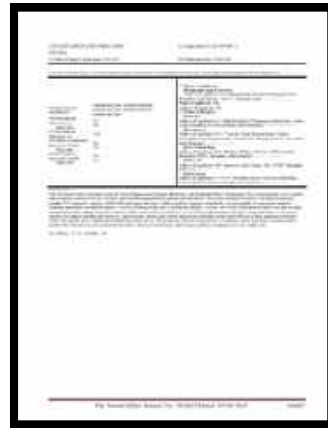


Prof. N. Muthu Bala, Assistant Professor, Department of Computer Science and Engineering presented a paper titled “Plant Leaf Disease Detection Using MobileNetV2” at International Conference on Knowledge Engineering and Information Systems (KEIS-2025) Organized by Department of Master of Computer Applications, Seshadripuram College, Tumakuru during 29th and 30th August 2025.



Prof. N. Muthu Bala, Assistant Professor, Department of Computer Science and Engineering has participated in the two weeks Faculty Development Program on “AI in Medical Imaging and Diagnostics: Current Trends and Challenges” jointly organized by Electronics and ICT Academy, NIT Patna, IIITDM Jabalpur, IIT Guwahati, MNIT Jaipur, IIT Kanpur and IIT Roorkee under the “Scheme of financial assistance for setting up of Electronics and ICT Academies(Phase-II)” by the Ministry of Electronics and Information Technology (MeitY), Government of India from 07th July, 2025 - 18th July, 2025.

FACULTY ACHIEVEMENTS



Prof. Mala B A, Assistant Professor, Ms. Keerthana V (ENG21CS0186), Ms. Kriti Manini Raju (ENG21CS0191), Ms. Nitya A N (ENG21CS0274) and Mr. Tilak Uppar (ENG21CS0447) 2025 passed out Students, Department of CSE published a patent titled “IoT-Based Smart Container System for Secure Pharmaceutical Storage, Monitoring, and Intelligent Delivery Management” by the Indian Patent Office under the application number 202541070085A on 05/09/2025 under the applicant name Dayananda Sagar University.



Ms. V Preethi(ENG21CS0458), Dr George Fernandez I, Associate Professor, Ms. Vaishnavi P (ENG21CS0459) and Ms. Archana B S(ENG22CS1021), 2025 passed out Students, Department of CSE published a patent titled “System and Method for early Detection of Diabetic Retinopathy Using Integrated Clinical Data and Retinal Image Analysis” by the Indian Patent Office under the application number 202541070086A on 05/09/2025 under the applicant name Dayananda Sagar University.

FACULTY ACHIEVEMENTS



Ms. Shambhavi Ramachandra Hegde (ENG21CS0371) 2025 passed out Student, Dr George Fernandez I, Associate Professor, Dr Girisha G S, Professor and Chairperson, Department of CSE published a patent titled “ Smart Wardrobe: AR-Driven Virtual Try-On system using Augmented Reality and Real-Time 3D Garment overlay” by the Indian Patent Office under the application number 202541070088A on 05/09/2025 under the applicant name Dayananda Sagar University.

Mr. C B Rajavarman (ENG22CS0034)2025 passed out Student, Dr. Sridhar S K, Associate Professor, Department of CSE published a patent titled “ Piezoelectric Layered Power Generating and Crowd Analysis Tile” by the Indian Patent Office under the application number 202541070084A on 05/09/2025 under the applicant name Dayananda Sagar University.

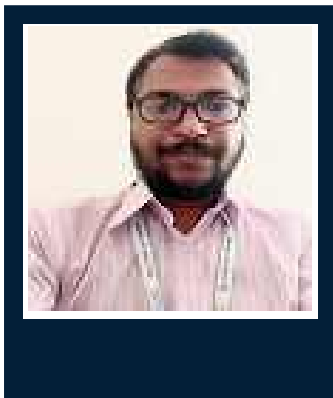


Application Details	
APPLICATION NUMBER	202541070084
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	23/07/2025
APPLICANT NAME	Dayananda Sagar University
TITLE OF INVENTION	Piezoelectric Layered Power Generating and Crowd Analysis Tile
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	omprakash@omspatentservices.com
ADDITIONAL-EMAIL (As Per Record)	omprakash_sringeri@yahoo.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (I/S 11A)	05/09/2025

FACULTY ACHIEVEMENTS



Dr. Damodharan D, Assistant Professor, Department of CSE, successfully completed a 20 days 40 hours Faculty development program in the Subject: QT-06 Quantum Communication " from 18th August to 11th sept 2025 conducted by Electronics and ICT Academies.

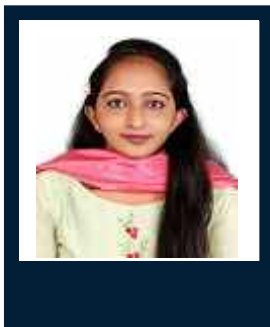


Dr. Naitik ST, Assistant Professor, Department of CSE, has successfully served as a Session Chair at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th -20th , September 2025.

FACULTY ACHIEVEMENTS

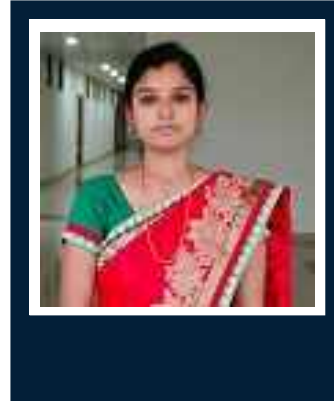
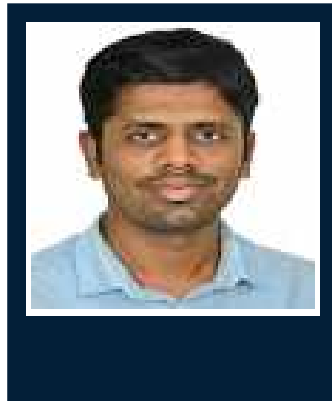


Dr. Naitik ST, Assistant Professor, Department of CSE, has successfully served as a Session Chair at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th -20th , September 2025.



Prof. Bharath M B, Prof. Poojashree H R, Prof, Mala B A, Assistant Professors, Department of CSE published a patent titled “ Self-Powered IoT Health Band for Continuous Rural Health Monitoring” by the Indian Patent Office under the application number 202541083755 on 26/09/2025 under the applicant name Dayananda Sagar University.

FACULTY ACHIEVEMENTS



(2) PATENT APPLICATION PUBLICATION		(2) Application No: 202541083246 / S
(3) INVENTOR		(3) INVENTOR
(4) Date of filing of Application: 02/09/2025		(4) Publication Date: 26/09/2025
(5) Title of the Invention: A Robust Multi-Model Computational Framework for Automatic Detection of Malignancy in Ovarian Ascitic Fluid Cytology		
(6) International Classification		(7) Name of Applicant
G06T10/00 (2017.01); G06N3/00 (2006.01); G06V10/20 (2019.01); G06V10/30 (2019.01)		(7) Name of Applicant: Dayananda Sagar University
(8) International Application No		(8) Address of Applicant: NA
(9) International Filing Date		(9) Address of Applicant: NA
(10) International Publication No		(10) Name of Inventor
(11) Patent of Addition to Application Number		(11) Name of Inventor: Dr. Renuka Devi M N
(12) Date of Addition to Application Number		(12) Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Dayananda Sagar University Bangalore South Bangalore South
(13) Date of Addition to Application Number		(13) Title: Renuka Devi M N
(14) Date of Addition to Application Number		(14) Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Dayananda Sagar University Bangalore South Bangalore South
(15) Date of Addition to Application Number		(15) Title: Praveen Kulkarni
(16) Date of Addition to Application Number		(16) Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Dayananda Sagar University Bangalore South Bangalore South
(17) Abstract		(17) Address of Applicant: Associate Professor, Department of Computer Science and Engineering, Dayananda Sagar University Bangalore South Bangalore South
This invention presents a robust multi-modal computational framework for the automatic detection of malignancy in ovarian ascitic fluid cytology. The system follows a structured diagnostic pipeline that integrates image processing, segmentation, feature extraction, and multi-model classification. The process begins with image processing, where techniques are applied to improve clarity by enhancing contrast, reducing noise, and ensuring correct illumination across samples. Next, features are extracted from the background using a set of morphological operations and color-based methods, allowing precise isolation of cellular structures. From these segmented regions, the system extracts a diverse set of morphological features (shape, size, texture pattern, color properties, and overall nuclear count). These features are then used to train a multi-modal classifier, which is designed to support pathologists and clinicians in making faster and more accurate diagnostic decisions. The classification module employs a parallel multi-classifier design, where 15% based deep features are fused with handcrafted features and jointly classified by both machine learning and deep learning algorithms. The decision fusion system combines the results from all classifiers to give a final decision on malignancy and predict the cancer stage. The system automatically sorts cytology images into benign or malignant groups and can also help identify cancer stages. By reducing bias and differences between observers, this invention improves consistency, accuracy, and speed, making it a valuable tool for doctors and pathologists detecting ovarian cancer.		
No. of Pages: 8 No. of Claims: 7		

Dr. Renuka Devi M N, Assistant Professor, and Dr. Praveen Kulkarni, Associate Professor, Department of CSE published a patent titled “A Robust Multi-Model Computational Framework for Automatic Detection of Malignancy in Ovarian Ascitic Fluid Cytology” in collaboration with CDSIMER professors, by the Indian Patent Office under the application number 202541083246 on 26/09/2025 under the applicant name Dayananda Sagar University.



DAYANANDA SAGAR
UNIVERSITY

FACULTY ACHIEVEMENTS



FACULTY ACHIEVEMENTS



Prof. Mala B A, Assistant Professor, Department of CSE, published a research paper titled “VISION AID–A Light Weight Blind Assistance Tool Using IoT and Computer Vision Techniques” in the Scopus indexed Springer LNNS series “Data Mining and Information Security” Proceedings of ICDMIS 2024, Volume 1 ISBN 978-981-96-6046-9, https://doi.org/10.1007/978-981-96-6046-9_16.



Prof. Diana George, Assistant Professor, Department of CSE has received “women in research excellence- Global Woman of Science award” from ELEVATEX Awards 2025 at International Conference on Artificial Intelligence and Networking (ICAIN-2025) Organized by BITS Pilani, Dubai Campus in association with Indian Institute of Information Technology, Allahabad Springer LNNS (Indexed in DBLP EI Compendex, INSPEC, SCImago, SCOPUS , WTI AG, zbMATH) on 6th - 7th October 2025.

Prof. H. A. Sharath, Assistant Professor, Department of CSE published a research work in the Q1 journal named IEEE Access with the title “Quantum-Resilient Cryptography: A Survey on Classical and Quantum Algorithms” during October 2025.



FACULTY ACHIEVEMENTS



Dr. RenukaDevi M N, Dr. P Naresh, Dr. Shreekant Salotagi, Assistant Professors and Dr. Praveen Kulkarni, Dr. Sridhar S K, Associate Professors, Department of CSE presented a research paper titled “Predictive Modeling of Cardiovascular Disorders through Hybridized Ensemble Strategies and Deep Neural Architectures for Enhanced Diagnostic Accuracy” at the 7th International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2025) organized by RVS College of Engineering and Technology (RVSCET), Coimbatore, India on 6th to 8th October 2025.



Prof. Bharath B, Assistant Professor, Department of CSE presented a research paper titled “Trustworthy AI-Powered Multimodal Biofeedback for Stress Management: An Explainable, Privacy-preserving and Fairness-Aware Framework” at the 7th International Conference on Innovative Data Communication Technologies and Application (ICIDCA 2025) organized by RVS College of Engineering and Technology (RVSCET), Coimbatore, India on 6th to 8th October 2025.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Pooja Shree H R, Prof. Mala B A, Assistant Professors and Dr. George Fernandez I, Associate Professor, Department of CSE presented research paper titled “Sustainable IoT for Healthcare: An Energy-Aware Approach for Remote Patient Monitoring” at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India on 09 & 10, October 2025.

Dr. George Fernandez I, Associate Professor, Department of CSE presented a research paper titled “Pharmaceutical Quality Assurance via Transformer-Based Deep Learning Models for Automated Tablet Defect Detection” at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India on 09 & 10, October 2025.



FACULTY ACHIEVEMENTS



Prof. Sweta Chopdar, Prof. Soumadip Mondal, Prof. Mithun Kumar, Prof. Sruthi Y, Prof. Diana George, Assistant Professor and Dr. George Fernandez I, Associate Professor, Department of CSE presented a research paper titled “Carbon-Aware AI Workload Scheduling with Renewable Energy Sources” at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India on 09 & 10, October 2025.

FACULTY ACHIEVEMENTS



Dr. George Fernandez I, Associate Professor and Prof. Diana George, Assistant Professor, Department of CSE presented a research paper titled “Pattern-Driven Multimodel Brain Imaging Fusion for Early Vision Defect Detection” at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India on 09 & 10, October 2025.

Dr. George Fernandez I, Associate Professor, Department of CSE presented a research paper titled “TDP-QIMLE: A Novel Temporal Differential Privacy with Quantum-Inspired Multi-Layer Encryption Framework for Secure EHR Data Storage in Cloud Computing” at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India on 09 & 10, October 2025.



FACULTY ACHIEVEMENTS



Dr. George Fernandez I and Dr. Revathi V, Associate Professors, Department of CSE Served as a Session chair at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph's Institute of Technology (Autonomous), Chennai, TamilNadu, India on 09 & 10, October 2025.



Prof. Sushma D S, Assistant Professor, Department of CSE has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Explainable AI (XAI): A Deep Dive into AI Transparency and Interpretability at VIT Bhopal University from 06/10/2025 to 11/10/2025.

FACULTY ACHIEVEMENTS



Prof. Bharath M B and Prof. Pooja Shree H R, Assistant Professors Department of CSE presented research paper titled “AvianTrack: Real-Time Bird Species Detection and Classification in Streaming Video via YOLOv8” at the International Conference on Artificial Intelligence and Networking (ICAIN-2025) organized jointly by BITS Pilani, Dubai Campus, UAE in association with the Indian Institute of Information Technology, Allahabad, India & Universal Innovators, Delhi, India on 6th - 7th October 2025.



Dr. Gokulakrishnan S, Assistant Professor Department of CSE has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Recent Advances in IoT and AI for a Smarter Future for Revolutionizing Society at Academy of Maritime Education and Training Deemed to be University from 13/10/2025 to 18/10/2025.

FACULTY ACHIEVEMENTS



Prof. Kavyashree I Pattan, Dr. Renukadevi M.N, Prof. Pooja Shree H R, Prof. Nandini K, Prof. Arpita Paria, Assistant Professors, and Dr. Revathi V, Associate Professor, published a paper titled “NeuroGaitAssist: Advanced Gait Analysis for Detecting Neurological Disorders and Aiding Paralysis Patients” in the IEEE during October 2025, which was presented at the 9th International Conference on Inventive Systems and Control (ICISC-2025).

FACULTY ACHIEVEMENTS



Dr. Natarajan Venkateswaran, Professor of Dept. of Computer Science and Engineering, has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Explainable AI (XAI): A Deep Dive into AI Transparency and Interpretability at VIT Bhopal University from 06/10/2025 to 11/10/2025.



Dr. Savitha Hiremath, Associate Professor, Department of CSE, participated as a Resource Person in the One Day Faculty Development Program on “Document Preparation and Research Writing using LaTeX” organized by the Department of Computer Science and Engineering, RV Institute of Technology and Management, Bengaluru, on 9th October 2025.

FACULTY ACHIEVEMENTS



Prof. Muthu Bala. N, Assistant Professor, Department of CSE presented a research paper titled “New Parent App: A Mobile based Baby Growth and Milestone Tracker with Chatbot Support” in the three-day International Conference on Sustainable Communication Networks and Application (ICSCN 2025) organized by Bharath Niketan Engineering College Thimmarasanaickanoor, Aundipatty, Theni Dt, held during 15-17, October 2025.



Prof. Muthu Bala. N, Assistant Professor, Department of CSE presented a research paper titled “AI Enabled Smart Healthcare System for Intelligent Patient Management” at the 2nd International Conference on Electronic Circuits and Signaling Technologies ICECST 2025 organised by Lincoln University College Petaling Jaya, Malaysia on 23-25, October 2025.

Dr. Renukadevi M.N, Assistant Professor, Department of CSE has received a Seed Money Amount of Rs. 3,08,063 as a principal Investigator for the Project Titled “Novel Deep Learning Framework for Analyzing Classroom Video and Audio-Text Features to Transform Teaching Strategies” for 2 years from Dayananda Sagar University during October 2025.



FACULTY ACHIEVEMENTS



Dr. Sridhar S K, Dr. Praveen Kulkarni, Associate Professors, Dr Naresh P, Dr. Naitik S T, Dr. Shreekanth Salotagi, Assistant Professors, and Mr. Jayesh Ranjan(ENG23CS0326), 3rd year student, Department of CSE successfully presented a research paper titled “Detection of Speech Oriented Fraud Using Supervised Machine Learning Algorithms” and received the “Best Paper award” in the 2nd International Conference on Software, Systems and Information Technology (SSITCON-2025) completed SSITCON -2025 Conference on 17th & 18th October, 2025.

FACULTY ACHIEVEMENTS



Dr. Girisha G S, Professor and Chairperson, Department of CSE published an Indian patent titled “Hybrid SRGAN-CNN-LSTM Model for Classifying Dysgraphia in Primary School Children Using Handwritten Images” during 17th October 2025 with the application number 202541087117.



Prof. Benaka Santhosha S, Assistant Professor, Department of CSE, presented a research paper titled “Improving Lung CT clarity Using Frequency - Domain Artifact Reduction” and won the “Best Paper Award” at the International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG 2025) held at JSS Science and Technology University, Mysuru, during 10th and 11th October, 2025.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Gaurav Kumar, Prof. Yashaswini H C, Prof. Pooja Shree H R, Assistant Professors and Dr. Kumar Dilip, Associate Professor, Department of CSE, published an Indian patent titled “Wearable Sweat Biosensor Patch for Non-Invasive Health Monitoring” during 31st October 2025 with the application number 202541094988.



Prof. Muthu Bala. N, Assistant Professor, Department of CSE presented a research paper titled “Dynamic Storytelling with AI: Real-Time Adaptation of Narratives Through NLP and Generative Models” in the Hinweis Fourth International Conference on Networking, Communication and Computing Technology, NCCT 2025 during 25th to 26th October 2025.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Vishwas D B, Prof. Yashaswini H C, Assistant Professors, Department of CSE has Presented a Paper entitled “Federated Learning Approaches for Privacy - Preserving XSS Detection” in the IEEE International Conference on Communication, Computer, and Information Technology (IC3IT-2025) organized at Mysuru Royal Institute of Technology, Mandya, India on 24h and 25 October 2025 in association with IEEE Bangalore Section and IEEE Mysore.

FACULTY ACHIEVEMENTS



Prof. Sweta Chopdar, Prof. Soumadip Mondal, Prof. Mithun Kumar, Prof. Sruthi Y, Prof. Diana George, Prof. Sumy Joseph, Assistant Professors and Dr. George Fernandez I, Associate Professor, Department of CSE published an Indian patent titled “Method and System for Multi-Objective Optimization of AI Workloads Using Carbon Intensity and Renewable Energy Forecasting” during 31st October 2025 with the application number 202541093796.

Dr. Revathi V, Associate Professor, Department of CSE, Contributed as reviewer for the "International Conference on Digital Technology and Engineering (ICDTE-2025)" held from 16th to 17th October 2025" organized by RV Institute of Technology and Management in collaboration with Springer.



FACULTY ACHIEVEMENTS



Prof. Muthu Bala. N, Assistant Professor, Department of CSE presented a research paper titled “A Review on Lung cancer detection Using deep learning techniques on CT and CXR Imaging: A synthesis of Ten key studies” at the International Conference on Digital Technology and Engineering (ICDTE-2025) organized by RV Institute of Technology and Management (RVITM) during 16-17 October 2025.



Prof. Arpita Paria, Assistant Professor, Department of CSE successfully presented research work titled “Glaucoma Detection using Deep Learning on Retinal Fundus Images” has submitted the paper which has been approved and presented for publication in the Hinweis Fourth International Conference on Networking, Communication and Computing Technology, NCCT-2025 during October 25-26, 2025.



Prof. Nandini K, Assistant Professor, Department of CSE successfully presented research work titled “Forest Fire Detection using Next-Gen Technologies for Ecosystem Protection” has submitted the paper which has been approved and presented for publication in the Hinweis Fourth International Conference on Networking, Communication and Computing Technology, NCCT-2025 during October 25-26, 2025.

FACULTY ACHIEVEMENTS



Prof. Arpita Paria, Prof. Kavyashree I Pattan, Dr. Renukadevi M.N, Prof. Nandini K, Assistant Professors, Dr. Revathi V , Dr. Savitha Hiremath, Associate Professors, Department of CSE successfully presented research work titled "Comparative Evaluation of Machine Learning Models for "Calorie Burn Prediction Using Regression Metrics" at the "INCSTIC Conference" 1st International Conference on Smart Technologies and Intelligent Computing, during 17th - 18th October, 2025.

FACULTY ACHIEVEMENTS



Prof. Benaka Santhosha S, Assistant Professor, Department of CSE has successfully defended his Final Ph.D Viva Voice on the research work titled “ Enhancing Image Security through Encryption methods” under the guidance of Dr. Sudheesh K V, Professor, Vidya Vardhaka College of Engineering, Mysore, affiliated to Visvesvaraya Technological University, Belagavi, during 3rd November 2025.



Dr. Bipin Kumar Rai, Professor, Department of CSE published a research article titled: “A quantum-driven multi-stage framework integrating variational entanglement, reinforcement learning, and federated explainability for climate-resilient farming” in Scientific Reports (SCIE Q1, Impact Factor 4.3) – Springer Nature, Volume 15, Article 38363 (2025), on 3 November 2025.

FACULTY ACHIEVEMENTS



Dr. S. Ramesh, Professor, Department of CSE has been awarded the title of “Kalpa Acharya” for his remarkable achievements and contributions, at the Bharat Education Excellence Awards (BEEA) during 8th November 2025. The event was graced and presided over by Dr. Buddha Chandrasekhar, Chief Coordinating Officer, AICTE, Ministry of Education, Government of India, and CEO of Anuvadini AI.



Prof. Bharath B, Assistant Professor, Department of CSE, has successfully presented the paper titled “Smart Classroom and Timetable Scheduling System using Hybrid Graph Coloring and Cloud Optimization” at the 9th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2025), organised by RVS Technical Campus, Coimbatore, India, on 5-7, November 2025.

FACULTY ACHIEVEMENTS



Dr. Sivananda Lahari Reddy, Associate Professor and Dr. Bipin Kumar Rai, Professor, Department of CSE published a research article titled “Proof-of-Metrology (PoM): A Blockchain Consensus for Tamper-Proof Calibration in Adversarial Cyber-Physical Systems” in the IEEE Access Q1, Scopus/SCIE indexed, with Impact Factor (IF): 3.6 during 20th November 2025.



Dr Arunkumar Gopu, Associate Professor, Department of CSE, delighted to be a Special Invitee at PhDEdits Conference Session, a wonderful initiative by Ph.D. scholars, for Ph.D. scholars, fostering collaboration and knowledge exchange. Organised by IEEE Communications Society, Bangalore chapter during 12th November 2025.

FACULTY ACHIEVEMENTS



Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE, published a research article titled “Online Alert System for DDoS Attack Detection and Prevention Using Machine Learning Classification Algorithms” in Cogent Engineering, a Taylor and Francis Q2 journal, on 18 November 2025..



Dr. Revathi V and Dr. George Fernandez I, Associate Professors, Department of CSE are Contributed as reviewer for the papers submitted to the International Conference on “Intelligent Systems for Pioneering Innovation in Robotics and Electric Mobility” - INSPIRE 2025 (IEEE Conference #67328) organized by Mangalore Institute of Technology & Engineering, Moodabidri, India, on 20 & 21 November, 2025.

FACULTY ACHIEVEMENTS



Dr George Fernandez I, Associate professor, Department of CSE, Served as a Reviewer for 1 manuscript at the European Journal Of Computer Sciences And Informatics during 20th November 20 2025.



Dr. Damodharan D, Assistant Professor, Department of CSE, for sharing his valuable knowledge on Theme “Quantum Computing: The Next Frontier in Computation” as Resource Person during the Faculty Development Program on Frontiers of Quantum Computing: Innovations and Applications in Contemporary Science and Engineering which took Place on 3rd Nov 2025 at Annamacharya Institute of Technology and science Kadapa DIST, AP.

FACULTY ACHIEVEMENTS



Dr. Prabhakar. M., Professor, Department of CSE published an IEEE paper titled "Implementing Blockchain Technology in Intelligent Sensor Networks for Enhanced Data Integrity" which was presented at 2025 International Conference on Intelligent Communication Networks and Computational Techniques (ICICNCT) in Bidar, India during 18th November 2025.

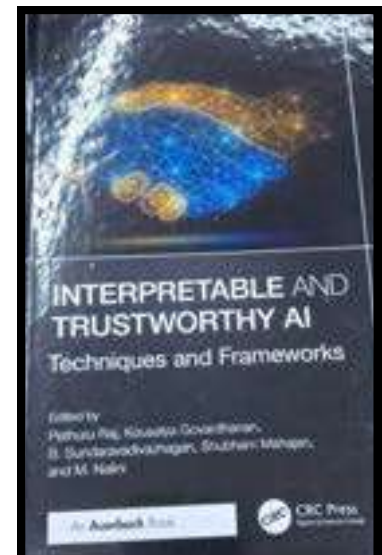


Dr. J. Sebastian Nixon and Dr. Girisha G S, Professors, Department of CSE published an Indian Patent titled "Multi-Layered Quantum Cryptographic Framework to Enhance the Quantum Communication Security" in the field of Communication with the application no 202541097376 during 14/11/2025.

FACULTY ACHIEVEMENTS



Dr. Naitik ST, Assistant Professor, Department of CSE, has Awarded a Elsevier - Certificate of Reviewing in the journal Advances in Biomarker Sciences and Technology for 1 review during November 2025.



Dr. Sivananda Lahari Reddy, Associate Professor, Department of CSE has published a book chapter titled " Bridging Concepts to Reality" in the CRC Press (Taylor & Francis Group) with the book titled - Interpretable and Trustworthy AI during November 2025.

FACULTY ACHIEVEMENTS



Dr. Gokulakrishnan S, Assistant Professor, Department of CSE, published a co-authored book titled “Bridging Human and Machine Intelligence Through Deep Learning” , by Pandit Publications. at Sivakasi, Tamil Nadu with the ISBN 978-93-48908-81-0 during November 2025.



Prof. Bharath B, Assistant Professor, Department of CSE, has successfully presented the paper titled “Real-Time Public Transport Tracking for Small Cities: An IoT and AI-based Approach” at the 5th International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICECMSN 2025) organized by the Department of Information Technology, Hindusthan Institute of Technology, Coimbatore, India, on 24-26 November 2025.

FACULTY ACHIEVEMENTS



Prof. Bharath M B and Prof. Mala B A, Assistant Professors, Department of CSE, has successfully published an Indian Patent titled “Secure Transaction Protocol for Payments Without Internet Connectivity” in the field of Electronics with the application no 202541110200 during 28/11/2025.



Dr. Naitik ST, Assistant Professor and Dr. George Fernandez Associate Professor, Department of CSE contributed as a Reviewers, during the IEEE International Conference on Electrical, Electronics and Computer Science with Advance Power Technologies - A Future Trend (ICE2CPT 2025), organized by the Department of Electrical Engineering, National Institute of Technology Jamshedpur, in association with the IEEE Kolkata Section, IEEE Industrial Electronics Society and IEEE Student Branch, NIT Jamshedpur, held from 29th to 31st October 2025.

FACULTY ACHIEVEMENTS



Dr N. Bharathiraja, Associate Professor, Department of CSE, has successfully published a research paper titled “Enhancing environmental sustainability through real-time bio-waste detection using YOLOv6-CSP and relevance vector machine for improved waste management” in the Journal Measurement, with DOI: 10.1016/j.measurement.2025.119370, by the Publisher Elsevier, SCIE/Scopus Indexed - Q1, Impact Factor:5.6, during November 2025.



Dr N. Bharathiraja, Associate Professor, Department of CSE, has successfully published a research paper titled “Enhancing Road Safety Through Wearable Sensor Technology and Explainable Artificial Intelligence: A Novel Approach To Cognitive Load Monitoring in Driving” in the International Journal of Intelligent Transportation Systems Research, 1-24. DOI <https://doi.org/10.1007/s13177-025-00545-1>, by the Publisher Springer, WOS/Scopus Indexed - Q2 Journal during November 2025.



Dr N. Bharathiraja, Associate Professor, Department of CSE, has successfully published a research paper titled “Development of Hybrid Explainable Artificial Intelligence With Swin Vision Transformer Intrusion Detection for Securing VANETs From Attacks” in the Wiley publications Q2 journal named Transactions on Emerging Telecommunications Technologies and DOI <https://doi.org/10.1002/ett.70280>, during November 2025.



FACULTY ACHIEVEMENTS



Prof. Nandini K, Assistant Professor, Department of CSE, has successfully presented and received best paper for the title "Sustainable E-Waste Management in 5G Smart Communities Using Blockchain" in the AICTE-VAANI sponsored 3-day bilingual national conference on "Smart Cities for the future: Enhancing sustainability through IoT and AI integration" organized by Cambridge Institute of Technology, Bengaluru during 6th to 8th November 2025.



Dr George Fernandez I, Associate Professor, Prof. Sowmya H D and Prof. Soumadip Mondal, Assistant Professors, Department of CSE published the research paper in IEEE entitled "Intelligent Load Balancing for AI-Enhanced Edge-Cloud Architectures" which was presented in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, during 29th November 2025.



FACULTY ACHIEVEMENTS



Dr. Meenakshi Malhotra, Associate Professor, Department of CSE successfully published a book Chapter titled “AI-Enabled IADF Framework for MHD Diagnosis in AI and Data Engineering for Healthcare” in the 1st Edition, November 2025 with the book name “ AI and Data Engineering for Healthcare” , DOI: <https://doi.org/10.1201/9781003600947-11>.



Dr. Meenakshi Malhotra, Associate Professor, Dr. Girisha G S, Professor, and Mr. Giridhar S T (ENG23CSE004), M. Tech Student, Department of CSE, published the research paper in IEEE entitled “LLM-Based Dysarthric Communication Aid with Text and Voice Output” which was presented in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, during 29th November 2025.

FACULTY ACHIEVEMENTS



Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE published the research paper in IEEE entitled “AI-Driven Integration of Multimodal Neuroimaging for Vision Defect Detection and Classification” which was presented in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, during 29th November 2025.



Prof. Diana George, Assistant Professor and Dr George Fernandez I, Associate Professor, Department of CSE published the research paper in IEEE entitled “Automated Wireless Charging System for Electric Vehicles Using Cloud Control” which was presented in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, during 29th November 2025.



FACULTY ACHIEVEMENTS



Dr George Fernandez I, Associate Professor, Dr. Girisha G S, Professor and Mr. K Sai Harsha Vardhan (ENG23CSE006), M. Tech Student, Department of CSE, published the research paper in IEEE entitled “Medical Imaging of Automated Diagnosis with Deep Learning Cloud-Based Framework” which was presented in the IEEE Technical Sponsored 1st International Conference on Recent Innovation Science, Engineering and Technology (ICRISET 2025) Jeppiaar Institute of Technology Chennai, Tamil Nadu, India, during 29th November 2025.



Prof. Bharath B, Assistant Professor, Department of CSE presented the paper titled “A Hybrid CNN-LSTM Framework for Spatiotemporal Prediction of Rockfall Hazards Using TLS, UAV Photogrammetry, and Geotechnical Sensor Data at the 2 International Conference on Data Engineering & Machine Intelligence (ICDEMI-2025) Organized by GITAM School of Computer Science Engineering (GSCSE) , and GITAM (Deemed to be University) , Bengaluru on 27 & 28 November 2025.

FACULTY ACHIEVEMENTS



Dr. Revathi V, Associate Professor, Dr. Girisha G S, Professor, Mr. Venkatesh P, Department of CSE published a scopus indexed book chapter titled “Deep Learning for Cardiovascular Risk Prediction: Unveiling Insights with RNNs and LSTMs” with the book name “AI and Data Engineering for Healthcare: Real-World Applications and Case Studies” Pages: 186 - 199 Book Chapter 2025EID: 2-s2.0-105023564163, DOI: 10.1201/9781003600947-8 during December 2025.



Dr. Bipin Kumar Rai, Professor, Department of CSE published a book titled “Applications of Deep Learning in Genomics” with the publisher Taylor and Francis group CRC Press with DOI <https://doi.org/10.1201/9781003558835> and eBook ISBN 9781003558835, indexed in scopus during December 2025.

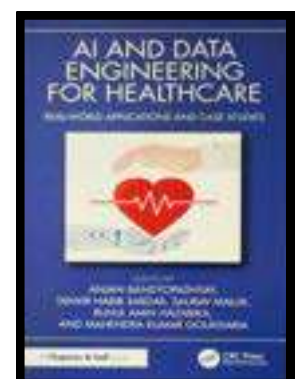
FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Prof. Yashaswini H C, Prof. Pooja Shree H R, Assistant Professors, Department of CSE has presented a paper titled “Smart Farming with Low-Cost Sensors: Helping Indian Farmers Save Water, Improve Soil Health and Increase Crop Yields” at the 2025 6th International Conference on Communication, Computing & Industry 6.0 (C2I6), held on 5th and 6th December 2025, in association with the IEEE Bangalore Section, organized by CMR Institute of Technology, Bengaluru.

Dr. Tanvir H Sardar, Associate Professor, Department of CSE published an Scopus indexed edited book titled “AI and Data Engineering for Healthcare: Real-World Applications and Case Studies” , published by CRC Press (Taylor & Francis), during December 2025.

<https://www.scopus.com/pages/publications/105023561136>.



FACULTY ACHIEVEMENTS



Dr. Natarajan Venkateswaran, Professor of Dept. of Computer Science and Engineering, School of Engineering, Dayananda Sagar University, Bengaluru has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on “Recent Advances in Quantum Technology and its Applications” at Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior from 24/11/2025 to 29/11/2025.



Prof. Bharath M B, Prof. Gaurav Kumar, Assistant Professors, Dr. Kumar Dilip, Associate Professor, Dr. J S Nixon, Professor, Department of CSE successfully published an Indian Patent titled “Blockchain-Integrated Adaptive IoT Framework for Secure and Explainable Health Data Exchange and Diagnosis Support” in the field of Computer Science with the application no 202541112591 during 05/12/2025.



FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Prof. Pooja Shree H R, Assistant Professors, Department of CSE has presented a IEEE paper titled “LightRPL-IDS: A Lightweight Machine Learning-Based Intrusion Detection Framework for RPL-Enabled IoT Networks” in the 9th IEEE International Conference on Computational Systems & Information Technology for Sustainable Solutions (CSITSS-2025) held from 20-22 November 2025, organized by the RV College of Engineering, Bengaluru, India and published during 19th December 2025.



Prof. Bharath M B, Prof. Mala B A, Prof. Pooja Shree H R, Assistant Professors, Department of CSE has presented a paper entitled “Cloud-Powered Federated Learning for Global Healthcare Diagnostics: Privacy Preserving Multi-Cloud Architecture” in the “International Conference on Information Management & Machine Intelligence (ICIMMI-2025)” held during DECEMBER 15-16, 2025 online at Poornima Institute of Engineering & Technology, Jaipur, Rajasthan.



FACULTY ACHIEVEMENTS



Dr. Tanvir Habib Sardar, Dr. Praveen Kulkarni, Associate Professors, and Dr. Pannagi Naresh, Assistant Professor, Department of CSE published a research article entitled “Quantum-Optimised Probabilistic U-Net with Quantum Entropy Calibration and Active Annotation for Reliable Sparse-Label MRI Brain Lesion Segmentations” in IEEE Access, an SCI & Scopus indexed Q1 journal with DOI: 10.1109/ACCESS.2025.3639179, Impact Factor: 3.6 during December 2025.



Dr. Tanvir Habib Sardar, Dr. Praveen Kulkarni, Associate Professors, and Dr. Pannagi Naresh, Assistant Professor, Department of CSE published a research article entitled "Multiscale Tumor Characterization in Histopathology via Self-Distilled Transformers and Topology-Aware Visual Encoding" in the Springer nature Scopus Indexed, Q1, SCIE Journal named Scientific Reports during December 2025. <https://www.nature.com/articles/s41598-025-27748-6>.



FACULTY ACHIEVEMENTS



Prof. Bharath B. Assistant Professor Department of CSE published a research article in IEEE entitled “Trustworthy AI-Powered Multimodal Biofeedback for Stress Management: An Explainable, PrivacyPreserving, and Fairness-Aware Framework” which was presented in the 7th International Conference on Innovative Data Communication Technologies and Application (ICIDCA) during 16th December 2025.



Dr. Ramesh Sekaran, Professor, Dr. George Fernandez I, Dr. Arunkumar Gopu, Dr. Jeeva S, Associate Professors, Department of CSE has presented a paper on “Automated Glaucoma Identification: A GAN-EVCNN Framework for Accurate and Efficient Diagnosis” in the 9th International Conference on “Micro-electronics and Telecommunication Engineering” (ICMETE 2025) organized by the Department of Electronics and Communication Engineering, SRM Institute of Science and Technology, Delhi-NCR Campus, Ghaziabad, U.P., India on 4th–5th December 2025.



FACULTY ACHIEVEMENTS



Dr. Revathi V, Dr. Arunkumar Gopu, Associate Professors, Mrs. Kavitha C, Research Scholar, Department of CSE published an Indian Patent titled “System and Method for Autonomous Vehicle Navigation Using Deep Reinforcement Learning Integrated with Variational Autoencoder” in the field of Electronics with the application no 202541111917 during 05/12/2025.



Dr. Benaka Santhosha S, Assistant Professor, Department of CSE has Presented paper entitled “Enhanced Passive Radar DOA Estimation Using Wigner-Ville Distribution and MUSIC Algorithm in Noisy Environments” for 5th IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2025) organized by the Department of Electronics and Telecommunication Engineering, Sri Siddhartha Institute of Technology, Tumakuru, in association with IEEE Bangalore Section, during 10-11 December, 2025.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Prof. Pooja Shree H R, Assistant Professors, Department of CSE has presented a paper entitled “Trust -Enhanced Blockchain-Cloud Integration Framework for Secure and Scalable Data Management” in 2025 1st International Conference on Advancement in Futuristic Technologies (ICAFT) online during 19th to 20th December 2025.

Dr N. Bharathiraja, Associate Professor, Department of CSE, has successfully published a research paper titled “Enhancing Autonomous Vehicle Security in Intelligent Transportation Systems through Quantum Computing and Optimisation-Based Federated Learning” in the Journal named International Journal of Heavy Vehicle Systems by the Publisher Inderscience Publishers with Impact Factor: 0.8 Vol. 32, Issue No. 6, Pages: pp 776-797, Indexing in Scopus & SCIE-indexed, Q3 rank during 3rd December 2025. DOI: <https://doi.org/10.1504/IJHVS.2025.150217>



FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Assistant Professors, Dr. Kumar Dilip, Associate Professor, Department of CSE has presented a paper entitled “Zero-Knowledge Privacy-Preserving Federated Learning for Cross-Institutional Medical Imaging Diagnostics” in the 3rd International Conference on Emerging Computation and Information Technologies (ICECIT-2025) Organized by the Departments of Computer Science & Engineering and Information Science & Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, India on 19th and 20th December 2025.



Prof. Muthu Bala. N, Assistant Professor, Department of CSE has published a research paper titled “Plant Leaf Disease Detection using MobileNetV2” in the ITM Web of Conferences indexed in Web of Science during December 2025.

FACULTY ACHIEVEMENTS



Prof. Fenita F, Assistant Professor, Department of CSE has published a paper in IEEE entitled “Neuro-Symbolic AI for Automated Cyber Threat Intelligence Generation” which was presented in the 2025 9th International Conference on Computing, Communication, Control and Automation (ICCCBEA) during 15th December 2025. DOI: [10.1109/ICCUBEA65967.2025.11284257](https://doi.org/10.1109/ICCUBEA65967.2025.11284257)



Prof. Fenita F, Assistant Professor, Department of CSE has presented a paper entitled “AI-Powered Predictive Ransomware and Malware Detection for Edge and Cloud Systems” at the IEEE Sponsored 2025 International Conference on NexGen Networks and Cybernetics (IC2NC) online held at Nandha Engineering College, Erode, India, during December 1-3, 2025.



Prof. Mala B A, Assistant Professor, Department of CSE has presented a paper entitled “Blockchain-based Trust and Privacy-Preserving Authentication using Federated Learning in Pharmaceutical Supply Chain” in the 3rd International Conference on Emerging Computation and Information Technologies (ICECIT-2025) Organized by the Departments of Computer Science & Engineering and Information Science & Engineering, Siddaganga Institute of Technology, Tumakuru, Karnataka, India on 19th and 20th December 2025.



FACULTY ACHIEVEMENTS



Dr. Renukadevi M N, Assistant Professor, Department of CSE has published a scopus indexed book chapter titled “Attention-Based Convolutional Neural Networks for Arrhythmia Detection from ECG Data” with the book name “AI and Data Engineering for Healthcare: Real-World Applications and Case Studies” during December 2025, with DOI: 10.1201/9781003600947-2.



Dr. RenukaDevi M.N, Assistant Professor, Department of CSE, has actively participated in a 5-day Faculty Development Programme entitled “Generative AI for everyone: Tools, Techniques, and Real-World Impact” from 15.12.2025 to 19.12.2025 organized by Internal Quality Assurance Cell, St.Antony’s College of Arts and Sciences for Women (Autonomous), Amala Annai Nagar, Thamaraiyadi, Dindigul in association with NeuroFinch EdTech, Bangalore.

FACULTY ACHIEVEMENTS



Dr. Praveen Kulkarni, Associate Professor, Dr. P Naresh, Dr. M N RenukaDevi, Prof. Kavyashree I Pattan, Prof. Yashpal Gupta, Assistant Professors, Department of CSE has published a paper in Scopus indexed Q3 journal with the title “MedGRU-SVC: A Hybrid ConvGRU and Support Vector Clustering Framework for Interpretable Anomaly Detection in Medical Radiographs” in the Mathematical Modelling of Engineering Problems journal during December 2025.



Dr. Jeeva S, Dr. George Fernandez I, Associate Professors, Dr. Ramesh Sekaran, Professor, Department of CSE, Dayananda Sagar University, presented a paper titled “Hybrid Deep Texture Learning for Automated Glaucoma Detection from Fundus Images” in the Eighth International Conference on Futuristic Trends in Networks and Computing Technologies (FTNCT'08), organised by the Department of Computer Science and Information Technology, KIET Deemed to be University, Ghaziabad, approved by the Procedia Computer Science Journal (Elsevier), from December 18th - 20th, 2025.



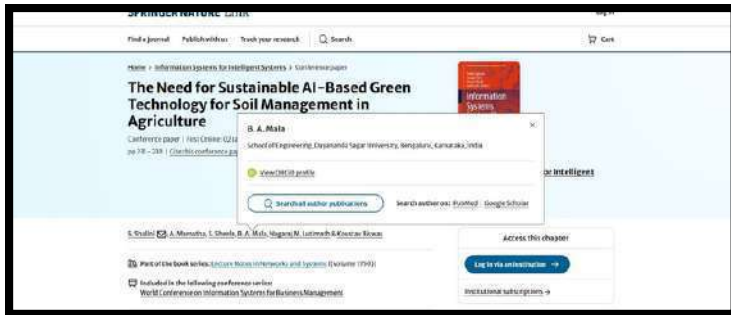


DAYANANDA SAGAR
UNIVERSITY

FACULTY ACHIEVEMENTS



FACULTY ACHIEVEMENTS



Prof. Mala B A, Assistant Professor, Department of CSE published a research paper titled “The Need for Sustainable AI-Based Green Technology for Soil Management in Agriculture” in the Scopus indexed Springer LNNS series “Information Systems for Intelligent Systems” during 02nd January 2026, pp 231-239 https://link.springer.com/chapter/10.1007/978-3-032-12993-2_22.



Dr. Revathi V, and Dr. George Fernandez I, Associate Professors, Department of CSE, received a token of appreciation for their outstanding service at the IEEE SESSION CHAIR Technical Sponsored 5th International Conference on the Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES -2026) held at St. Joseph's Institute of Technology (Autonomous), Chennai, Tamil Nadu, India on 29th & 30th , January 2026.



Prof. Shilpa Sudheendran, Assistant Professor, Department of CSE has successfully delivered an oral presentation for the paper entitled “AI based Speech Synthesis and Cloning using Natural Language Processing Models: A Comparative Analysis” at the 6th International Conference on Artificial Intelligence and Smart Energy (ICAIS 2026) JCT College of Engineering and Technology, Coimbatore, India. 29-30, January 2026.

FACULTY ACHIEVEMENTS



Prof. Bharath B, Assistant Professor, Department of CSE has presented paper entitled “Serpent -ID: A Deep Learning -Based Mobile Application for Rapid Snake Identification and Bite Management Guidance” in 2026 International Conference on Smart Futuristic Technology (ICSFT) during 02nd to 3rd January 2026.



Dr. K.Vengatesan, Professor, and Dr. Rupam Bhagawati, Associate Professor, Department of CSE has successfully presented the paper titled “Deep NeuralNetwork-Based Retail Business Analysis Using AI for Smart Environments and IoT” at the International Conference on AI-Driven Smart Systems and Ubiquitous Computing (ICAUC 2026) organised by Shinawatra University, Thailand in association with S.E.A College of Engineering and Technology, Bengaluru, Karnataka, India during 19-21, January 2026.

Dr. K. Vengatesan, Professor, Department of CSE has successfully published a paper titled: “Advanced AI Framework for Accurate Detection and Classification of Brain Tumours from MRI Images” at Intelligence-Based Medicine (Elsevier) Q2 Journal, Volume 13, Impact Score 3.30, with ISSN 26665212 during January 2026.

DOI:

<https://doi.org/10.1016/j.ibmed.2026.100348>



FACULTY ACHIEVEMENTS



Prof. Shankramma S, Research Scholar, Dr. Praveen Kulkarni, Dr. Sivananda Reddy, Associate Professors, Dr. M N Renukadevi, Dr. Pannangi Naresh, Assistant Professors, Department of CSE has successfully published an Indian patent titled “A Method and System for Blur-Aware Enhancement, Classification, and Adaptive Restoration of Aerial Images” with the applicant name DSU and application No 202641000801 under department of COMPUTER SCIENCE during 16th January 2026.



Dr. Revathi V, Associate Professor, Department of CSE, Served as reviewer in 4th IEEE International Conference on “ Intelligent and Innovative Technologies in Computing, Electrical and Electronics” organized by Department of Electronics and Communication Engineering and Department of Electrical and Electronics Engineering, BNMST Bengaluru during 22nd & 23rd January 2026.

FACULTY ACHIEVEMENTS

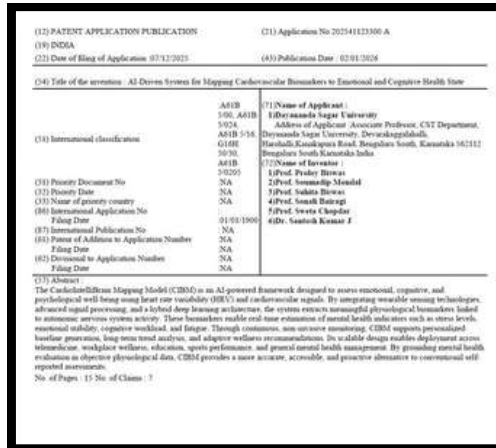


Dr. George Fernandez I, Associate Professor, Dr. Benaka Santhosha S, Prof. Kavyashree I Pattan, Assistant Professors, Dept. of CSE, are Successfully presented the research paper entitled “A Time-Efficient and Eminently Reliable Image Encryption Scheme for Secured Multimedia Communication” at the 5th International Conference on the Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES -2026) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, Tamil Nadu, India on 29th & 30th , January 2026.

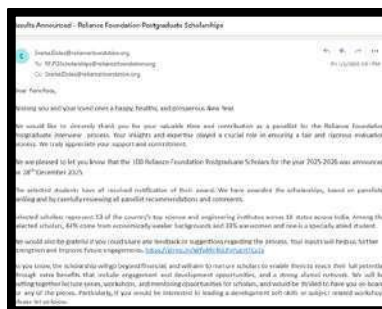


Prof. Muthu Bala N, Assistant Professor, Department of CSE has served as Reviewer for articles in the Journal of Scientific Research and Reports for an outstanding contribution to the quality of the journal during January 2026.

FACULTY ACHIEVEMENTS



Prof. Proloy Biswas, Prof. Soumadi Mondal, Prof. Suhita Biswas, Prof. Sonali Bairagi, Prof. Sweta Chopdar, Assistant Professors, Dept. of CSE, are Successfully published an Indian patent with the title “AI-Driven System for Mapping Cardiovascular Biomarkers to Emotional and Cognitive Health State” and application number 202541123300, applicant name DSU on 2nd January 2026.



Dr. Natarajan Venkateswaran, Professor of Practice, Department of CSE Successfully completed the prestigious Reliance Foundation PG Scholarship interviews as an Invited Panelist during January 2026

FACULTY ACHIEVEMENTS



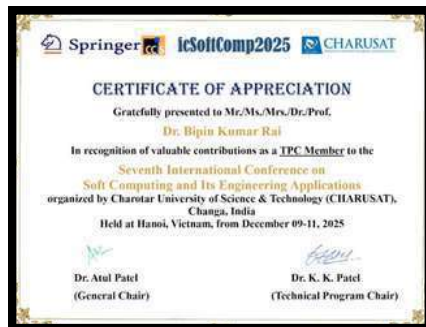
Prof. Rupam Sah, Prof. Praveen Gopal Gaonkar, Prof. Manas Singha, Prof. Rupam Bhagawati, Prof. Vengatesan.K, Prof. Aman Aditya, Assistant Professors, Department of CSE has presented paper entitled “A Self-Supervised Learning Framework for LowResource Computer Vision Applications” in 6th International Conference on Image Processing and Capsule Networks (ICPCN-2026) organised by Kathmandu University, Dhulikhel, Nepal during 27-29 January 2026.

FACULTY ACHIEVEMENTS



Prof. Praveen Gopal Gaonkar, Prof. Manas Singha, Prof. Rupam Sah, Prof. Rupam Bhagawati, Prof. Vengatesan.K, Prof. Bikramjit Saha, Assistant Professors, Department of CSE has presented paper entitled “Graph Neural Networks for Real-Time Misinformation Detection in Social IoT” in 6th International Conference on Image Processing and Capsule Networks (ICIPCN-2026) organised by Kathmandu University, Dhulikhel, Nepal during 27-29 January 2026.

FACULTY ACHIEVEMENTS



Dr. Bipin Kumar Rai, Professor, Department of CSE, Served as a valuable contribution as a TPC member of the 7th International Conference on Soft Computing and its Engineering Applications (icSoftComp2025) organized by Charotar University of Science & Technology (CHARUSAT), Changa, India held at Hanoi, Vietnam, from December 09-11, 2025.



Prof. Bharath B, Assistant Professor, Department of CSE has participated in One-Week Faculty Development Programme on “AI and Cybersecurity for a sustainable future: Innovation in health, Agriculture and smart cities” organized by E&ICT Academy IIT Guwahati held from 05th January - 09th January, 2026 in association with Department of Computer Science and Engineering, Global Academy of Technology, Bengaluru.



Dr. Vengatesan. K, Professor, Department of CSE has served as a resource person for a one day seminar on machine learning techniques during 06th February 2026 at Kongunadu College of Engineering and Technology, Trichy.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Prof. Yashaswini H C, Prof. Pooja Shree H R, Assistant Professors, Department of CSE has published a paper in IEEE titled “Smart Farming with Low-Cost Sensors: Helping Indian Farmers Save Water, Improve Soil Health and Increase Crop Yields” during 03rd February 2026 which was presented at the 2025 6th International Conference on Communication, Computing & Industry 6.0 (C2I6), in association with the IEEE Bangalore Section, organized by CMR Institute of Technology, Bengaluru.



Prof. Mala B A, Assistant Professor, Department of CSE has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Next GEN Computing HPC, AI & Quantum Technologies at G L BAJAJ GROUP OF INSTITUTIONS from 09/02/2026 to 14/02/2026.

[illegible]

(1) BATES PAPER APPLICATION PUBLICATION	(2) Application No. 2020/007077 A
(3) INDA	(4) Application No. 2020/007077 A
(5) Date of filing of Application: 24/03/2020	(6) Publication Date: 06/02/2020
(7) Title of the Invention: Multi-Sensor Gradient Boosting LOGITORM Framework for Alzheimer's Disease Diagnosis Using MRI and PET Scanners.	
(8) International classification	(9) Name of Applicant
A61B	T27Economics Sagar University
G06L	Address of Applicant: Assistant Professor/ Department of
G10H	Computer Science and Engineering, Durgam Sagar University
G06F 1/00	The Hyderabad Campus, Hyderabad, Telangana, Karnataka, India
G06F 1/04	27Economics Sagar University of Technology
G06F 3/00	27Economics Sagar University of Technology
G06F 3/04	27Economics Sagar University of Technology
G06F 3/06	27Economics Sagar University of Technology
G06F 3/08	27Economics Sagar University of Technology
G06F 3/10	27Economics Sagar University of Technology
G06F 3/12	27Economics Sagar University of Technology
G06F 3/14	27Economics Sagar University of Technology
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G06F 3/18	27Economics Sagar University of Technology
G06F 3/20	27Economics Sagar University of Technology
G06F 3/22	27Economics Sagar University of Technology
G06F 3/24	27Economics Sagar University of Technology
G06F 3/26	27Economics Sagar University of Technology
G06F 3/28	27Economics Sagar University of Technology
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G06F 3/54	27Economics Sagar University of Technology
G06F 3/56	27Economics Sagar University of Technology
G06F 3/58	27Economics Sagar University of Technology
G06F 3/60	27Economics Sagar University of Technology
G06F 3/62	27Economics Sagar University of Technology

Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE contributed as an active reviewer for the journal PLOS Digital during 29th January 2026.



FACULTY ACHIEVEMENTS



Prof. Mala B A, Assistant Professor, Department of CSE has served as a Reviewer for the paper(s) submitted to the International Conference on Communication, Computing and Emerging Technologies - IC3ET 2026, (IEEE Conference Record #64989), held on 9-10 February 2026 at Vidyavardhini's College of Engineering and Technology (VCET), Vasai, and technically co-sponsored by IEEE and IEEE Maharashtra Section.



Prof. Mala B A, Prof. Bharath M B, Assistant Professors, Department of CSE are participated in the 5 Days International Faculty Development Program on "Impact and Influence of AI in the Age of Generative and Agentic AI" organized by the Department of Computer Science, Sister Nivedita University, held from 2nd - 6th February, 2026.



Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE has successfully completed a Postdoctoral Research Fellowship in the Department of Intelligent Systems and Cybersecurity under the supervision of Dr Laura Aldasheva, Deputy Director, School of Cybersecurity, and the co-supervision of Dr. Bishwajeet Kumar Pandey, Professor, School of Cybersecurity, Astana IT University, Astana, Kazakhstan, during March 2025 - February 2026.

FACULTY ACHIEVEMENTS



Prof. Pooja Shree H R, Prof. Bharath M B, Prof. Mala B A, Assistant Professors, Department of CSE are presented a paper entitled “Privacy-Preserving Multi-Cloud Federated Digital Twin for Real-Time Stress Monitoring Using Multimodal Wearable Biosensors” online at the International Conference on Emerging Technologies and Future Innovations (ETFI-2026) held from 12 - 14 February 2026 at the School of Engineering and Technology, DES Pune University, Pune.

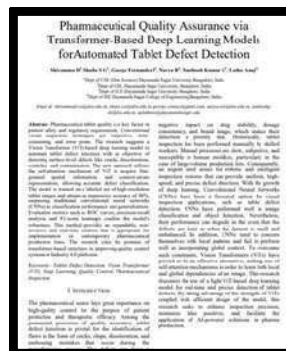


Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE has presented a research papers titled “LLM-Powered Autonomous Security Agents for Next -Generation Cyber Defence” and “AI-Driven Detection of AI-Generated Cyber Attacks: A Framework for Defending Against Generative Adversarial Threats” at the IEEE International Conference on AI in Cybersecurity (ICAIC), University of Houston, Houston, Texas, USA on 20th February 2026.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Pooja Shree H R, Prof. Mala B A, Assistant Professors and Dr. George Fernandez I, Associate Professor, Department of CSE published a paper in IEEE titled “Sustainable IoT for Healthcare: An Energy-Aware Approach for Remote Patient Monitoring” during 17th February 2026 , which was presented at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India.
<https://ieeexplore.ieee.org/document/11379670>



Dr. George Fernandez I, Associate Professor, Department of CSE published a paper in IEEE titled “Pharmaceutical Quality Assurance via Transformer-Based Deep Learning Models for Automated Tablet Defect Detection” during 17th February 2026 , which was presented at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India.
<https://ieeexplore.ieee.org/document/11379551>

FACULTY ACHIEVEMENTS



Prof. Sweta Chopdar, Prof. Soumadip Mondal, Prof. Mithun Kumar, Prof. Sruthi Y, Prof. Diana George, Assistant Professor and Dr. George Fernandez I, Associate Professor, Department of CSE published a paper in IEEE titled “Carbon-Aware AI Workload Scheduling with Renewable Energy Sources” during 17th February 2026 , which was presented at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India. <https://ieeexplore.ieee.org/document/11379472>

Dr. George Fernandez I, Associate Professor and Prof. Diana George, Assistant Professor, Department of CSE published a paper in IEEE titled “Pattern-Driven Multimodal Brain Imaging Fusion for Early Vision Defect Detection” during 17th February 2026 , which was presented at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India. <https://ieeexplore.ieee.org/document/11379502>



FACULTY ACHIEVEMENTS



Dr. George Fernandez I, Associate Professor, Department of CSE published a paper in IEEE titled “TDP-QIMLE: A Novel Temporal Differential Privacy with Quantum-Inspired Multi-Layer Encryption Framework for Secure EHR Data Storage in Cloud Computing” during 17th February 2026 , which was presented at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India.<https://ieeexplore.ieee.org/document/11379437>



Prof. Mala B A, Assistant Professor, Department of CSE has served as a Reviewer for the paper(s) submitted to the successful conduction of DST ANRF Sponsored “2026 IEEE Contemporary Computing Innovations Conference-(CCIC 2026)” , #68129, Technically cosponsored by IEEE Region 10, organized by Department of Data Science, School of Computing, Mohan Babu University, Tirupati, Andhra Pradesh, during 06.02.2026 & 07.02.2026.

Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE contributed as a Reviewer for 1 manuscript for Springer Nature Q2 journal named International Journal of Computational Intelligence Systems during 06th February 2026.



FACULTY ACHIEVEMENTS



Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE has published a paper titled “Robust machine learning-based mustard seed adulteration detection using multimodal fusion of image, spectral, and colorimetric features” at the Journal of Agriculture and Food Research, a Q1 journal during February 2026.



Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE has published a paper in IEEE access titled “Quantum-Secured Fully Distributed Drone Swarm Coordination Using DC-GHZ Keying and Continuous-Time Quantum Walk Routing” a Q1 journal during 26th January 2026.



Dr. Tanvir Habib Sardar, Associate Professor, Department of CSE contributed as a Reviewer and International Programme Committee Member at the IEEE International Conference on AI in Cybersecurity (ICAIC), University of Houston, Houston, Texas, USA on 20th February 2026

FACULTY ACHIEVEMENTS

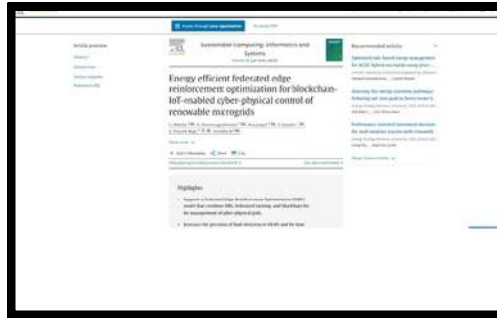


Ms. Sharvari J N, Research Scholar and Dr. Revathi V, Associate Professor, Department of CSE published a paper in IEEE titled “Predictive Modeling for Alzheimer's Disease:A Survey of Machine Learning and Deep Learning Techniques” during 17th February 2026 , which was presented at the IEEE Technical sponsored Second International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF2025) held at St. Joseph’s Institute of Technology (Autonomous), Chennai, TamilNadu, India.
<https://ieeexplore.ieee.org/document/11379663>



Dr. Revathi V, Dr. Savitha Hiremath, Associate Professors, and Prof. Muthubala N, Assistant Professor, Department of CSE are participated and successfully completed the 6 Days National Level Faculty Development Program (FDP) on Generative & Agentic AI - Tools & Demo's organized by Department of CSE, Sardar Vallabhbhai National Institute of Technology(SVNIT) Technically Co-sponsored by IEEE - Gujarat Section & partnered with Pantech Solutions (India) Pvt., Ltd. from 16th - 21st February 2026.

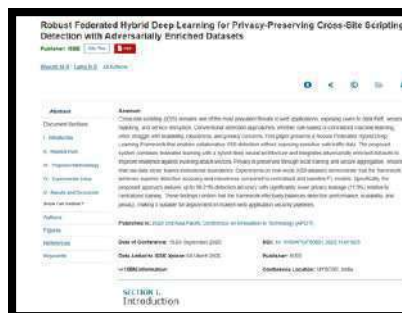
FACULTY ACHIEVEMENTS



Dr. Gayathri T, Assistant Professor, Department of CSE Published a paper titled “Energy Efficient Federated Edge Reinforcement Optimization for Blockchain-IoT-Enabled Cyber-Physical Control of Renewable Microgrids” in the Q1 Journal named Sustainable Computing: Informatics and Systems during 26th February 2026. DOI: <https://doi.org/10.1016/j.suscom.2026.101330>



Dr. Revathi V, and Dr. Savitha Hiremath, Associate Professors, Department of CSE attended the Workshop on “AI Tools for Efficient and High-Quality Academic Research” , held on 20-21 February 2026, organized by the Center for Applied and Responsible AI (CARA) and the School of Computer Science and Engineering (SoCSE), RV University.



Prof. Bharath M B, Assistant Professor, Department of CSE has published a IEEE paper titled “Robust Federated Hybrid Deep Learning for Privacy-Preserving Cross-Site Scripting Detection with Adversarially Enriched Datasets” during 4th March 2026, which was presented at the 2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025), organized by Vidyavardhaka College of Engineering, Mysuru, India.

FACULTY ACHIEVEMENTS

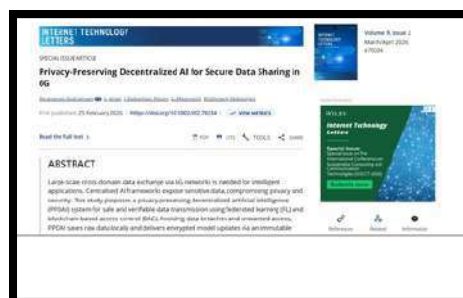


Dr. Vengatesan Krishnasamy, Professor, Department of CSE served as the Resource Person for the One-Day Faculty Development Programme on “Empowering Academicians with Artificial Intelligence Tools and Applications” , organised by the Department of Commerce Shift I in collaboration with Pencil Bitz, conducted in online mode on 10 March 2026.



Dr. Natarajan Venkateswaran, Professor of Practice, Department of CSE presented a paper titled “A Glass Box for the Clinic: A Transparent, Dual-LLM Framework for Explainable Medical Report Analysis,” and received the Best Paper Award at the Fifth International Conference on Power, Control and Computing Technologies (ICPC2T-2026). The conference was held from 11-13 March 2026 and hosted by the Department of Electrical Engineering, National Institute of Technology Raipur.

Dr. Nixon J S, Professor, Department of CSE published a paper titled “Privacy-Preserving Decentralized AI for Secure Data Sharing in 6G” at the Q3 Journal named Internet Technology Letters by Wiley publications during 25th February 2026.



FACULTY ACHIEVEMENTS



Dr. George Fernandez I, Associate Professor, Department of CSE has contributed as a Reviewer in the “2nd IEEE International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI-2026)” organized during February 12-14, 2026 at Gautam Buddha University, Greater Noida (U.P.), India.



Prof. Bharath B, Assistant Professor, Department of CSE has presented a paper titled “An Enhanced Framework for Implementing Data Analytics and AI for Sustainable Business Growth: Pharmaceutical Supply Chain Case Validation” during the 2nd International Conference on Computing for Sustainability and Intelligent Future (COMPSIF 2026), organized by BMS Institute of Technology & Management, Yelahanka, Bengaluru - 560119, during 13, 14 March 2026.



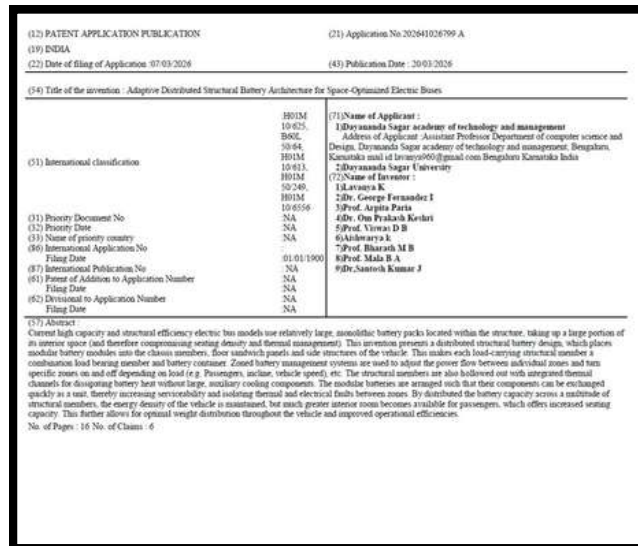
Dr. Sivananda Reddy, Associate Professor, Department of CSE has successfully completed the Agnirava AI Teacher Training Program, conducted by an IN-SPACe (ISRO) Registered Space Tutor, marking a significant step towards integrating advanced technologies into education during 7th January to 16th March 2026.

FACULTY ACHIEVEMENTS



Dr George Fernandez I, Associate Professor, Department of CSE selected to lead editorial leadership of Mesopotamian Journal of Computer Science (MJCS), Dubai, UAE, during March 2026.

<https://mesopotamian.press/journals/index.php/cs/index>



Dr. George Fernandez I, Associate Professor, Prof. Arpita Paria, Prof. Viswas D B, Prof. Aishwarya k, Prof. Bharath M B, Prof. Mala B A, Assistant Professors, Department of CSE published an Indian patent with the titled “Adaptive Distributed Structural Battery Architecture for Space-Optimized Electric Buses” under the applicant name DSU in collaboration with DSATM with the application number 202641026799 during 20th March 2026.

FACULTY ACHIEVEMENTS



Prof. Mala B A, Prof. Bharath M B, Assistant Professors, Department of CSE published an Indian patent with the titled “Real-Time Metabolic Drift Detection System Using Intelligent Microfluidic IoT Patch Sensors” under the applicant name DSU with the application number 202641026797 during 20th March 2026.

Dr N. Bharathiraja, Associate Professor, Department of CSE, has successfully published a research paper titled “Self-Evolving Energy Harvesting Framework for IoT Sensor Nodes Using Bio-Inspired Scheduling Algorithms” at the SCIE-indexed, Q2 rank journal named “International Journal of Communication Systems” by Wiley Publisher with Impact Factor: 1.8 Vol: 39, Issue No.: 7, Pages: e70469 during 20th March 2026. DOI: <https://doi.org/10.1002/dac.70469>



Prof. Bharath B, and Prof. Kavyashree Pattan, Assistant Professors, Department of CSE are completed the Faculty Development Program on Data Science (ML & AI) from 23-02-2026 to 08-03-2026 organized by EICTA Consortium (A Joint Initiative of MeitY and IITs, NITs and IIITs).



DAYANANDA SAGAR
UNIVERSITY

FACULTY ACHIEVEMENTS



FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Assistant Professors, Dr. Kumar Dilip, Associate Professor, Department of CSE has published a paper in the IEEE during 30th March 2026 entitled “Zero-Knowledge Privacy-Preserving Federated Learning for Cross-Institutional Medical Imaging Diagnostics” , which was presented in the 3rd International Conference on Emerging Computation and Information Technologies (ICECIT-2025) Organized by the Siddaganga Institute of Technology, Tumakuru, Karnataka, India.

<https://ieeexplore.ieee.org/document/11450988>



Prof. Bharath M B, Prof. Mala B A, Prof. Pooja Shree H R, Assistant Professors, Department of CSE has published a paper in the IEEE during 31th March 2026 entitled “Trust - Enhanced Blockchain-Cloud Integration Framework for Secure and Scalable Data Management” which was presented in the 1st International Conference on Advancement in Futuristic Technologies (ICAFT).

<https://ieeexplore.ieee.org/document/11452824>

FACULTY ACHIEVEMENTS



Dr. Vengatesan K, Professor, Department of CSE served as a jury member for the Project Expo held on 28.03.2026 at Panimalar Engineering College, Chennai.



Dr. Vengatesan K, Professor, Department of CSE delivered a session on "Emerging Trends in Data Science and Agentic AI for Healthcare" during the FDP conducted by the Department of Artificial Intelligence & Data Science, E.G.S. Pillay Engineering College (Autonomous), Nagapattinam on 24th March 2026.

FACULTY ACHIEVEMENTS

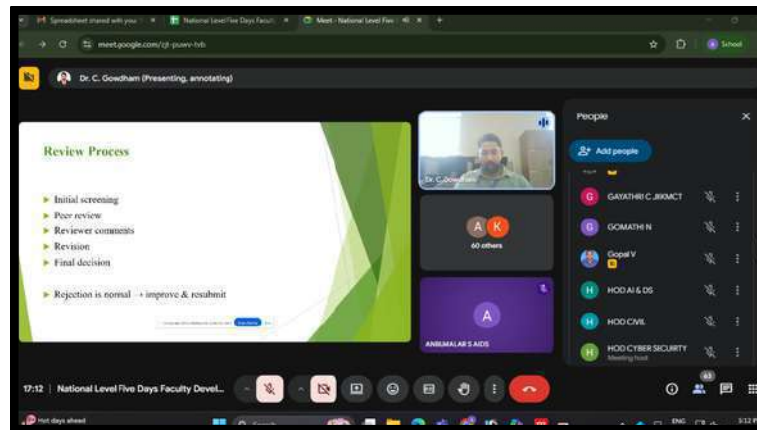


Prof. Bharath B, Assistant Professor, Department of CSE has participated in the One-week Online International FDP on Quantum-AI Convergence for Next-Gen Computing from 23rd March to 27th March, 2026 organized by the Department of CSE, JAIN (Deemed-to-be University), Bangalore, in association with St. Paul University Quezon City (SPUQC), Philippines.



Prof. Bharath B, Assistant Professor, Department of CSE has successfully completed five days virtual Faculty Development Program (FDP) on "Research & Publication Ethics" organized by Department of MBA & Research Center, SJC Institute of Technology, Chikkaballapur from 16/04/2026 to 20/04/2026.

FACULTY ACHIEVEMENTS

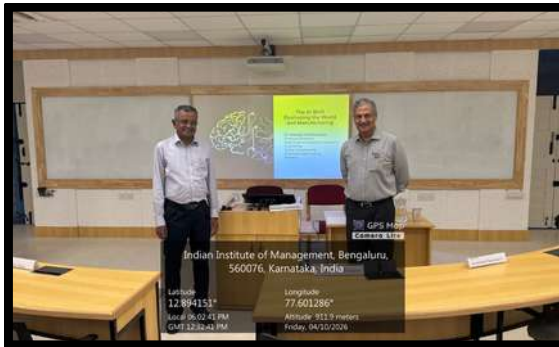


Dr. C. Gowdham, Associate Professor, Department of CSE delivered a session as a Resource Person for the National Level Five-Day Faculty Development Programme conducted by J.K.K. Munirajah College of Technology (Autonomous), affiliated to Anna University, Chennai.



Prof. Muthu Bala N, Assistant Professor, Department of CSE awarded for outstanding contribution and Certificate of Excellence in Reviewing the article at the Journal of Engineering Research and Reports during April 2026.

FACULTY ACHIEVEMENTS



Dr. Natarajan Venkateswaran, Professor of Practice, Department of CSE delivered an invited talk to the ACE Designers team at the IIM Bengaluru Campus with the title "The AI Shift Reshaping the World and Manufacturing", during 10th April 2026. The talk was very well appreciated by the participants that included the CIO of ACE.



Dr. T. Gayathri, Assistant Professor, Dr. Bondu Venkateshwarlu, Professor, Department of CSE published a paper titled "QuantumNeuroXAI: a quantum-inspired deep learning framework with explainability for brain signal analysis and neurological disorder detection" in Q1 Journal Scientific Reports during 10th April 2026. DOI: <https://doi.org/10.5281/zenodo.19200650>.

FACULTY ACHIEVEMENTS

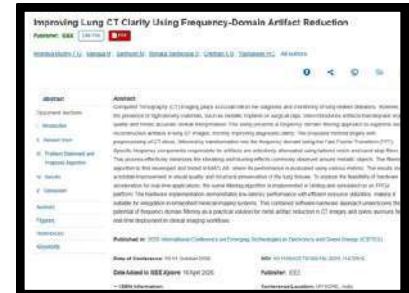


Dr. George Fernandez I, Associate Professor, Department of CSE presented a paper titled “Cloud-Native Deep Learning System for Rapid and Accessible Thoracic Disease Screening” in the Third International IEEE Conference on Trends in Quantum Computing and Emerging Business Technologies - TQCEBT'26 organized by CHRIST (Deemed to be University), Pune Lavasa Campus in collaboration with IEEE Pune Section and IEEE-TEMS Pune Chapter from 9th to 11th April 2026.



Prof. Manas Singha, Prof. Chandan Maji, Prof. Praveen Gopal Gaonkar, Assistant Professors, Dr. Rupam Bhagawati, Associate Professor, Dr. Vengatesan K, Professor, and Mr. Likith Gowda BH Student(ENG24CS0108), 2nd year CSE student presented paper titled “Explainable Multimodal Deep Learning for Trustworthy Human-AI Collaboration” at ICONIC 2026 (International Conference On Intelligent Computing) held at Panimalar Engineering College, Chennai on 27th & 28th March 2026.

FACULTY ACHIEVEMENTS



Prof. Benaka Santhosha S, Prof. Santhosh M, Prof. Chethan K S and Prof. yashaswini H C, Assistant Professors, Department of CSE, published a research paper titled “Improving Lung CT clarity Using Frequency - Domain Artifact Reduction” during 16th April 2026, which was presented at the International Conference on Emerging Technologies in Electronics and Green Energy (ICETEG 2025) held at JSS Science and Technology University, Mysuru. <https://ieeexplore.ieee.org/document/11472916>



Ms. Meenakshi (ENG24CSE013), Mr. Hariharan (ENG25CSE029), PG students, Dr. Praveen Kulkarni, Associate Professors, Prof. Kavyashree I Pattan, Prof. Renuka Devi M N, Mr. P Naresh, Assistant Professors, Department of CSE published an IEEE paper titled “Epilepsy Simulation With AI-Driven Insights & Detection - EpiSimAiD” during 16th April 2026, which was presented at 2026 International Conference on Visual Analytics and Data Visualization (ICVADV), Tirunelveli, India. <https://ieeexplore.ieee.org/document/11470398>

FACULTY ACHIEVEMENTS



Dr. Revathi V, Associate Professor, Prof. Bharath B, and Prof. Manish Nandy, Assistant Professors, Department of CSE has completed the Faculty Development Program on “Advanced Pedagogy for Effective Teaching, Learning & Assessment” from 09-03-2026 to 21-03-2026 from EICT Academies: IIT Kanpur, IIT Guwahati, IIT Roorkee, MNIT Jaipur, IIITDM Jabalpur, NIT Patna, NIT Warangal.

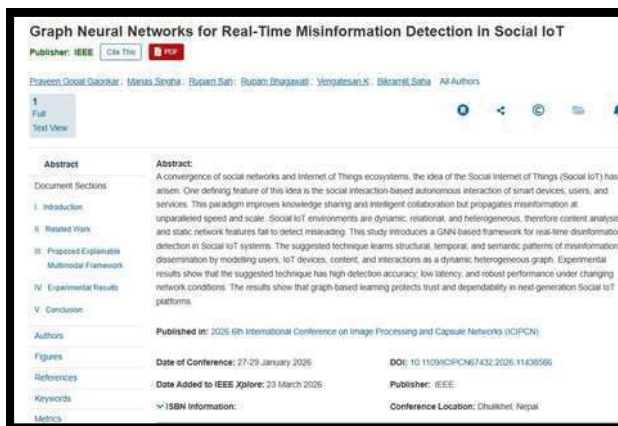


Dr. K.Vengatesan, Professor, and Dr. Rupam Bhagawati, Associate Professor, Department of CSE has successfully published an IEEE paper titled “Deep NeuralNetwork-Based Retail Business Analysis Using AI for Smart Environments and IoT” during 24th March 2026, which was presented at the International Conference on AI-Driven Smart Systems and Ubiquitous Computing (ICAUC 2026) organised by Shinawatra University, Thailand in association with S.E.A College of Engineering and Technology, Bengaluru, Karnataka, India.
<https://ieeexplore.ieee.org/abstract/document/11441062>

FACULTY ACHIEVEMENTS



Prof. Rupam Sah, Prof. Praveen Gopal Gaonkar, Prof. Manas Singha, Prof. Aman Aditya, Assistant Professors, Dr. Rupam Bhagawati, Associate Professor, and Dr. Vengatesan. K, Professor, Department of CSE has published an IEEE paper titled “A Self-Supervised Learning Framework for LowResource Computer Vision Applications” during 23rd March 2026, which was presented at 6th International Conference on Image Processing and Capsule Networks (ICIPCN-2026) organised by Kathmandu University, Dhulikhel, Nepal. <https://ieeexplore.ieee.org/abstract/document/11438740>



Prof. Praveen Gopal Gaonkar, Prof. Manas Singha, Prof. Rupam Sah, Prof. Bikramjit Saha, Assistant Professors, Dr. Rupam Bhagawati, Associate Professor, and Dr. Vengatesan. K, Professor, Department of CSE has published an IEEE paper titled “Graph Neural Networks for Real-Time Misinformation Detection in Social IoT” during 23rd March 2026, which was presented at 6th International Conference on Image Processing and Capsule Networks (ICIPCN-2026) organised by Kathmandu University, Dhulikhel, Nepal. <https://ieeexplore.ieee.org/abstract/document/11438586>

FACULTY ACHIEVEMENTS



Prof. Sweta Chopdar, Prof. Soumadip Mondal, Prof. Sruthi Yapalaparvi, Assistant Professors, Dr. Rupam Bhagawati, Associate Professor, and Dr. Vengatesan. K, Professor, Department of CSE has published an IEEE paper titled “Hybrid Neuro-Symbolic AI for Context-Aware Decision-Making Systems”, during 23rd March 2026, which was presented at 6th International Conference on Image Processing and Capsule Networks (ICIPCN-2026) organised by Kathmandu University, Dhulikhel, Nepal. <https://ieeexplore.ieee.org/document/11438749>



Dr. Vengatesan k, Professor, Department of CSE has successfully served as a Session Chair at the International Conference on Networking and Computing Technologies (iCONNECT 2026), held at Mizoram University, Aizawl, Mizoram, India, from April 22-24, 2026, in recognition of his dedication, leadership, and valuable contribution in managing and guiding the conference sessions.

FACULTY ACHIEVEMENTS

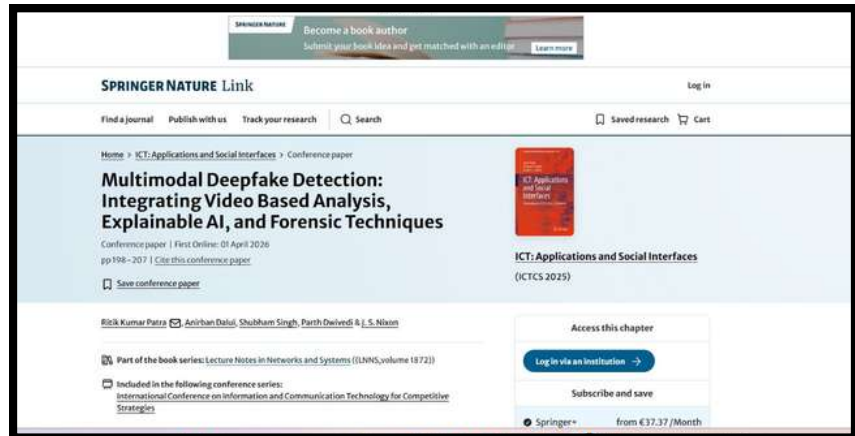


Prof. Bharath M. B, Assistant Professor, Department of CSE has successfully presented the research paper titled “TAS-SD: Topology-Aware Self-Supervised Learning for Network Intrusion Detection” at the International conference on advance in Multidisciplinary Engineering (ICRAME 2026) held on 01-02 April 2026 at Maharishi University of Information Technology, Lucknow campus, India.



Prof. Bharath M B, Prof. Mala B A, Prof. Pooja Shree H R, Assistant Professors, Department of CSE published an IEEE paper entitled “Privacy-Preserving Multi-Cloud Federated Digital Twin for Real-Time Stress Monitoring Using Multimodal Wearable Biosensors” during 28th April 2026, which was presented at the International Conference on Emerging Technologies and Future Innovations (ETFI-2026), DES Pune University, Pune.

FACULTY ACHIEVEMENTS



Dr. Nixon J S, Professor, Department of CSE published a research paper in the springer nature book series named “ICT: Applications and Social Interfaces” with the title “Multimodal Deepfake Detection: Integrating Video Based Analysis, Explainable AI, and Forensic Techniques” during April 2026.



Dr. Nixon J S, Professor, Department of CSE published a research paper in the springer nature book series named “Intelligent Strategies for ICT” with the title “An Adaptive Machine Learning Framework for Detection and Mitigation of Rogue Access Points (RAPs) in WLAN” during 1st May 2026.

FACULTY ACHIEVEMENTS



Prof. Santosh M, Assistant Professor, Department of CSE attended a 5-day VGST-sponsored FDP on "Accelerating Deep Learning Algorithms using FPGA for Medical Image Processing" from 6th to 10th May, 2026, at Shri Dharmasthala Manjunatheshwara College of Engineering & Technology, Dharwad.



Prof. Santosh M, Assistant Professor, Department of CSE has successfully presented a paper entitled "Multi-Agent Reinforcement Learning Digital Twin System for Real-Time Urban Traffic Optimization" at the 4th International Conference on Integrated Circuits and Communication Systems (ICICACS - 2026), organized by Department of Electronics and Communication Engineering, H.K.E. SOCIETY'S Sir M Visvesvaraya College of Engineering, Raichur during 22nd & 23rd May 2026.

FACULTY ACHIEVEMENTS



Prof. Manish Nandy, Assistant Professor, Department of CSE has completed the Faculty Development Program on Cyber Security using AI from 23-03-2026 to 03-04-2026 from EICT Academies: IIT Kanpur, IIT Guwahati, IIT Roorkee, MNIT Jaipur, IIITDM Jabalpur, NIT Patna, NIT Warangal.



Dr. V. Revathi, Associate Professor & Associate chair, Department of CSE, Dayananda Sagar University, Bangalore acted as a Resource Person and delivered a session on the topic of AI Tools on 12.05.2026 at MARUDHAR KESARI JAIN COLLEGE FOR WOMEN in the 5- Days Online FDP on AI Integrated Teaching Learning Pedagogy.

FACULTY ACHIEVEMENTS



Prof. Bharath B, Assistant Professor, Department of CSE has successfully completed 2 NPTEL 12 week courses titled “Deep Learning - IIT Ropar with 55% and “Cloud Computing” with 55% from Jan-April 2026.

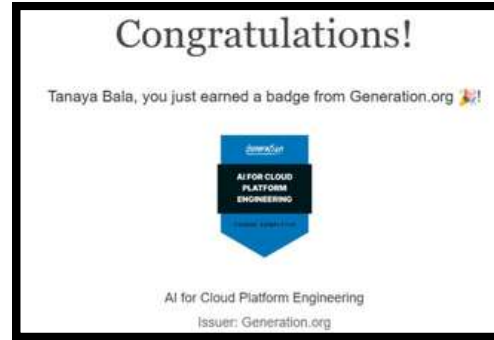


Dr. George Fernandez I, Associate Professor, Department of CSE successfully completed 2 courses on the online Infosys Springboard platform titled “Network Fundamentals” on 19th May 2026 and “Identity and Access Management IAM” on 20th May 2026.



Prof. Diana George, Prof. Dharmendra D.P and Prof. Bharath M B, Assistant Professors, Department of CSE published an Indian patent titled “A System and Method for Personalized Real-Time Seizure Prediction and Adaptive Alert Generation Using Deep Neuro-Fuzzy Reinforcement Learning on Edge Devices” during 1st May 2026 with the applicant name DSU and the Applicant No.202641051703.

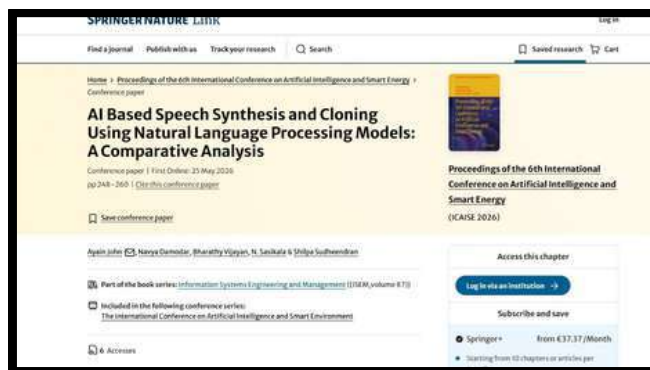
FACULTY ACHIEVEMENTS



Prof. Tanaya Bala Behera, Assistant Professor, Department of CSE has successfully completed the online course titled “AI for Cloud platform Engineering” during May 2026.



Prof. Bharath B and Prof. Yashaswini H C, Assistant Professors, Department of CSE successfully completed the Faculty Development Program on “Data Visualization with Excel and Power BI” from 16-03-2026 to 28-03-2026.



Prof. Shilpa Sudheendran, Assistant Professor, Department of CSE has successfully published Springer Conference paper titled “AI Based Speech Synthesis and Cloning Using Natural Language Processing Models: A Comparative Analysis” in the Springer Book series “Information Systems Engineering and Management (ISEM, volume 87)” during 25th May 2026.

FACULTY ACHIEVEMENTS



Prof. Bharath M B and Prof. Mala B A, Assistant Professors, Department of CSE has successfully Presented paper entitled “Adaptive Privacy-Aware Network Intelligence for Stealthy Attack Detection in Distributed Communication Systems” at the 4th International Conference on Integrated Circuits and Communication Systems (ICICACS - 2026), organized by Department of Electronics and Communication Engineering, H.K.E. SOCIETY'S Sir M Visvesvaraya College of Engineering, Raichur during 22nd & 23rd May 2026.

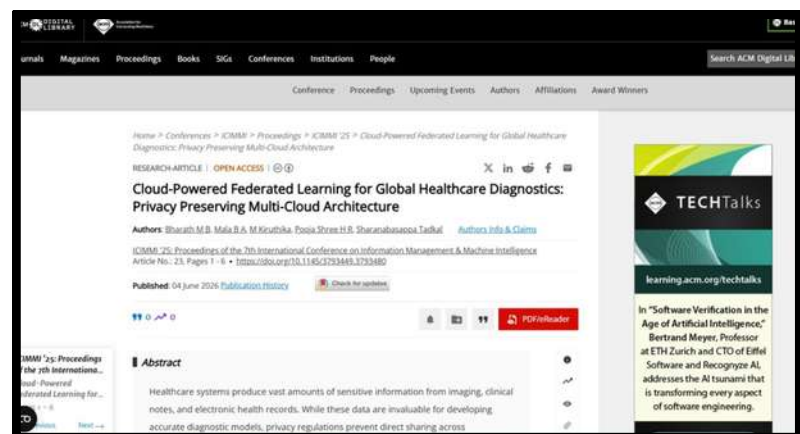


Prof. Mala B A, Prof. Bharath M B, Assistant Professors, Department of CSE attended and presented the paper titled “Carbon-Responsive Consensus: A Climate-Aware Blockchain Protocol with Incentive-Compatible Validator Selection” at the Fourth International Conference on Secure Cyber Computing and Communications (ICSCCC 2026) organized by Department of Computer Science and Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India held from 29-31 May 2026.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Prof. Pooja Shree H R, Assistant Professors, Department of CSE published a research article titled “ Adaptive Trust-Driven Federated Learning With Blockchain for Secure AI Healthcare Diagnostics” in WOS indexed Q3 journal Security and Privacy by Wiley publisher with the impact factor 2.1 during 31st May 2026. <https://doi.org/10.1002/spy2.70230>

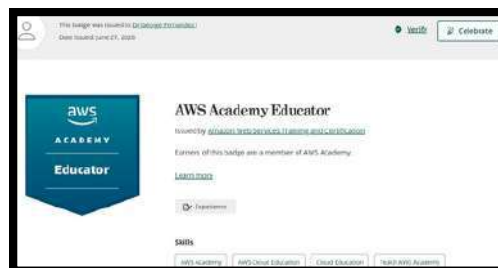


Prof. Bharath M B, Prof. Mala B A, Prof. Pooja Shree H R, Assistant Professors, Department of CSE published a research article in ACM digital library and indexed in scopus titled “Cloud-Powered Federated Learning for Global Healthcare Diagnostics: Privacy Preserving Multi-Cloud Architecture” during 4th June 2026, which was presented at the “International Conference on Information Management & Machine Intelligence (ICIMMI-2025)” . <https://dl.acm.org/doi/10.1145/3793449.3793480>

FACULTY ACHIEVEMENTS



Ms. Meghana P, PG scholar, Dr. P. Naresh, Assistant Professor, Dr. Girisha G S, Professor, Dr. Gousia Thahniyath, Dr. George Fernandez I, Dr. Sivananda Reddy, Associate Professors, Department of CSE has presented and published a paper titled “Lightweight MobileNetV2 Architecture for Multi-Class Diabetic Retinopathy Grading using Preprocessed Retinal Fundus Images” at the 7th International Conference on Inventive Research in Computing Applications (ICIRCA 2026) held during 3-5 June 2026 at RVS College of Engineering and Technology, Coimbatore, India. <https://ieeexplore.ieee.org/document/11570321>

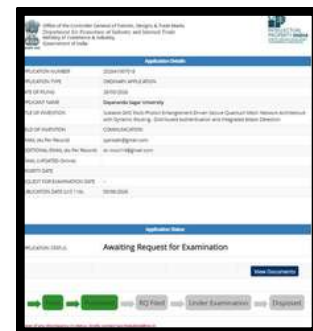
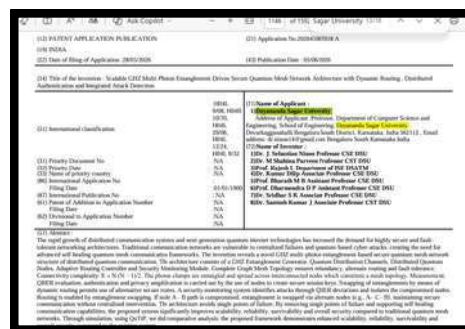


Dr. George Fernandez I, Associate Professor, Department of CSE Earned the AWS Academy Educator Badge from Amazon Web Services (AWS) Training and Certification on 27th June 2026 and Recognized as an AWS Academy Educator, demonstrating expertise in cloud education and AWS teaching.

FACULTY ACHIEVEMENTS



Dr. Nixon J S, Professor, and Dr. Kumar Dilip, Associate Professor, Department of CSE published a research paper in the IEEE titled “ Adaptive Quantum-Integrated Access Control Mechanism for Protecting LoRaWAN Against Emerging Quantum Threats” during 08th June 2026, which was presented at 2026 6th International Conference on Pervasive Computing and Social Networking (ICPCSN).
<https://ieeexplore.ieee.org/document/11543680>



Dr. Nixon J S, Professor, and Dr. Kumar Dilip, Associate Professor, Prof. Bharath M B, Prof. Dharmendra D P, Assistant Professors and Dr. Sridhar S K, Associate Professor, Department of CSE published an Indian patent titled “Scalable GHZ Multi-Photon Entanglement-Driven Secure Quantum Mesh Network Architecture with Dynamic Routing , Distributed Authentication and Integrated Attack Detection” during 5th June 2026 with the application no 202641067018.

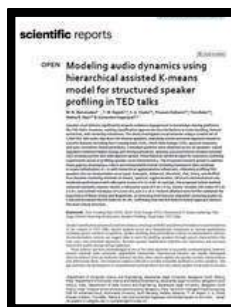
FACULTY ACHIEVEMENTS



Prof. Bharath B, Assistant Professor, Department of CSE presented the research paper titled “AgriSense: An AI-Powered Multi-Source Crop Yield Prediction and Advisory System for Smallholder Farmers in India” at 7th International Conference on Inventive Research in Computing Applications (ICIRCA 2026) held during 3- 5, June 2026 at RVS College of Engineering and Technology, Coimbatore, India.



Prof. Bharath B and Dr. Benaka Santhosha S, Assistant Professors, Department of CSE published a Journal Paper titled “A Semantic-Aware File Metadata Generation Framework for Disk-Level Anomaly Detection in Virtual Machine Backups” in the journal named “INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGIES BULGARIAN ACADEMY OF SCIENCES (IICT) CYBERNETICS AND INFORMATION TECHNOLOGIES during June 2026. DOI: 10.2478/cait-2026-0021



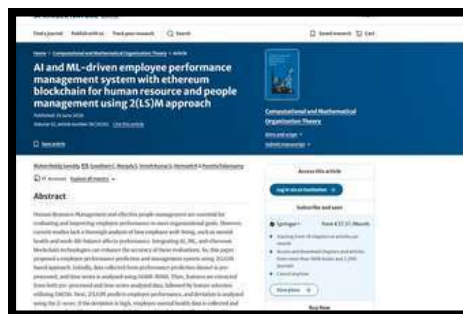
Dr. Renuka Devi M N, Assistant Professor, Dr. Praveen Kulkarni, Associate Professor, Department of CSE published a research article entitled “Modeling Audio Dynamics Using Hierarchical Assisted K-Means Model for Structured Speaker Profiling in TED Talks” in Scientific Reports, an SCI & Scopus Indexed Q1 Journal. Article Number: 18656 (2026) during 16th June 2026. DOI: <https://doi.org/10.1038/s41598-026-47033-4>.

FACULTY ACHIEVEMENTS



Dr. Praveen Kulkarni, Associate Professor, Department of CSE published a research article entitled “Advanced Android Malware Detection in Mobile Applications Using Security and Machine Learning” in Cluster Computing an SCI & Scopus Indexed Q1 Journal, Volume: 29, Article No. 377 (2026) during 17th June 2026.

DOI: <https://doi.org/10.1007/s10586-026-06090-0>



Dr. Gowdham C, Assistant Professor, Department of CSE published a research article entitled “AI and ML-Driven Employee Performance Management System with Ethereum Blockchain for Human Resource and People Management Using 2(LS)M Approach” in a Computational and Mathematical Organization Theory, Q2 indexed international journal published by Springer Nature during 24th June 2026. <https://link.springer.com/article/10.1007/s10588-026-09432-w>



Prof. Mala B A, Prof. Bharath M B, Assistant Professors, Department of CSE attended and presented the paper titled "Energy and Carbon-Aware Computational Intelligence for Sustainable Smart Cyber-Physical Systems" in the 6th International Conference on Intelligent Technologies (CONIT 2026) during 19th to 21st June 2026, organized by K.L.E. Institute of Technology, Hubballi.

FACULTY ACHIEVEMENTS



Prof. Bharath M B, Prof. Mala B A, Assistant Professors, Department of CSE attended and presented the paper titled "Attention-Driven Intelligent BiLSTM Networks for Robust and Explainable XSS Attack Detection" in the 6th International Conference on Intelligent Technologies (CONIT 2026) during 19th to 21st June 2026, organized by K.L.E. Institute of Technology, Hubballi.



Dr. George Fernandez I, Dr. Gousia Thahniyath, Associate Professors, Prof. Bharath M B, Prof. Nandini K, Prof. Megha H N, Prof. Tanaya Bala Behera, Assistant Professors, Department of CSE presented a paper entitled "Leaf2MoleculeNet: Explainable EfficientNet for Phytochemical Prediction in Anti -Diabetic Medicinal Plants" in 6th International Conference on Intelligent Technologies (CONIT 2026) during 19th to 21st June 2026, organized by K.L.E. Institute of Technology, Hubballi.

FACULTY ACHIEVEMENTS



Prof. Nandini K (USN: ENG19PPCS14) , Assistant Professor, Department of CSE successfully defended her PhD thesis titled “A Secure Data Storage and Access Control System in the Cloud Using Blockchain Technology” under the supervision of Dr. Girisha G. S., Chairperson, Department of Computer Science and Engineering, School of Engineering, Dayananda Sagar University on 23rd June 2026.