



P.S.R. ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University Chennai)
(Accredited by NBA & NAAC with A+ Grade and listed under 2(f) & 12(B) of the UGC Act, 1956)
(An ISO 9001: 2015 Certified Institution)
Sivakasi - 626140

Department of Computer Science and Engineering

NEWS LETTER

**JULY
TO
DECEMBER**

2024

VOLUME : 8 ISSUE : 2

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INSTITUTION VISION

To contribute to the society through excellence in technical education with societal values and thus a valuable resource for industry and the humanity.

INSTITUTION MISSION

- To create an ambience for quality learning experience by providing sustained care and facilities.
- To offer higher level training encompassing both theory and practices with human and social values.
- To provide knowledge-based services and professional skills to adapt tomorrow's technology and embedded global changes.

DEPARTMENT VISION

To impart holistic education in Computer Science and Engineering to cater the needs in academia, industry and society.

Department of Computer Science and Engineering



DEPARTMENT MISSION

- Offering under graduate and post graduate programmes by providing effective and balanced curriculum and equip themselves to gear up to the ethical challenges awaiting them.
- To confer continuous activities in technical and research that will enable the students to face the real time challenges in the field of Computer Science and Engineering.
- To provide training for the students in a socially responsible manner with inculcating integrity and human values.

PROGRAMME EDUCATIONAL OBJECTIVES

- PEO 1: Lead a successful career by acquiring essential knowledge in the field of Computer Science and Engineering.
- PEO 2: Assess real life problems and deal with them confidently relevant to the society.
- PEO 3: Engage in lifelong learning by pursuing higher education, Research and as Entrepreneurs.
- PEO 4: Build interpersonal skills, team work with ethical values to meet the societal needs.

DEPARTMENT ACTIVITIES

The Department of Computer Science and Engineering has organized one-day training programme “AWS” on August 07, 2024. Totally 249 students from our department participated in the training. Mr.Yasharth Singh, CTO and COO Hire3x, Bengaluru as chief guest of the event.



The Department of Computer Science and Engineering has organized One-week training programme “Persional Computer Training” from 19th to 24th August, 2024. Totally 123 students from our department participated in the awareness Program. Mr.A.Rama Subramanian, MD and Mr.B.Karthikayan, CTO, iTech Academy, Tirunelveli as chief guest of the event.



The Department of Computer Science and Engineering has organized one-day webinar “**Navigate AI Challenges with Red Hat OpenShift AI skills**” on August 30, 2024. Totally 248 students from our department participated in the webinar. Mr.Daleep Singh Bais, Senior Technical Instructor, Red Hat as chief guest of the event.



The Department of Computer Science and Engineering has organized Hackathon “**DIC ’24 (Department Idea Challenge)**” on August 30, 2024. Totally 173 students from our department participated in the Hackathon.



The Department of Computer Science and Engineering & Alpha Learning Lume, Kovilpatti has organized Hands-on Training “**Mobile App Development**” on September 12, 2024. Totally 98 students from our department participated in this training.



The Department of Computer Science and Engineering & Alpha Learning Lume, Kovilpatti has organized two days Hands-on Training “**Web Development**” on 18th & 19th September, 2024. Totally 176 students are participated in this training.



The Department of Computer Science and Engineering has organized webinar “**Full Stack Development**” on 21st September, 2024. Totally 123 students from our department participated in the webinar. Mr.S.Karthikeyan Co-Founder & Heads – Operations and Mr.M.Arun, Co-Founder & Heads – Corporate Relations. Credo Systemz, Chennai as chief guest of the event.



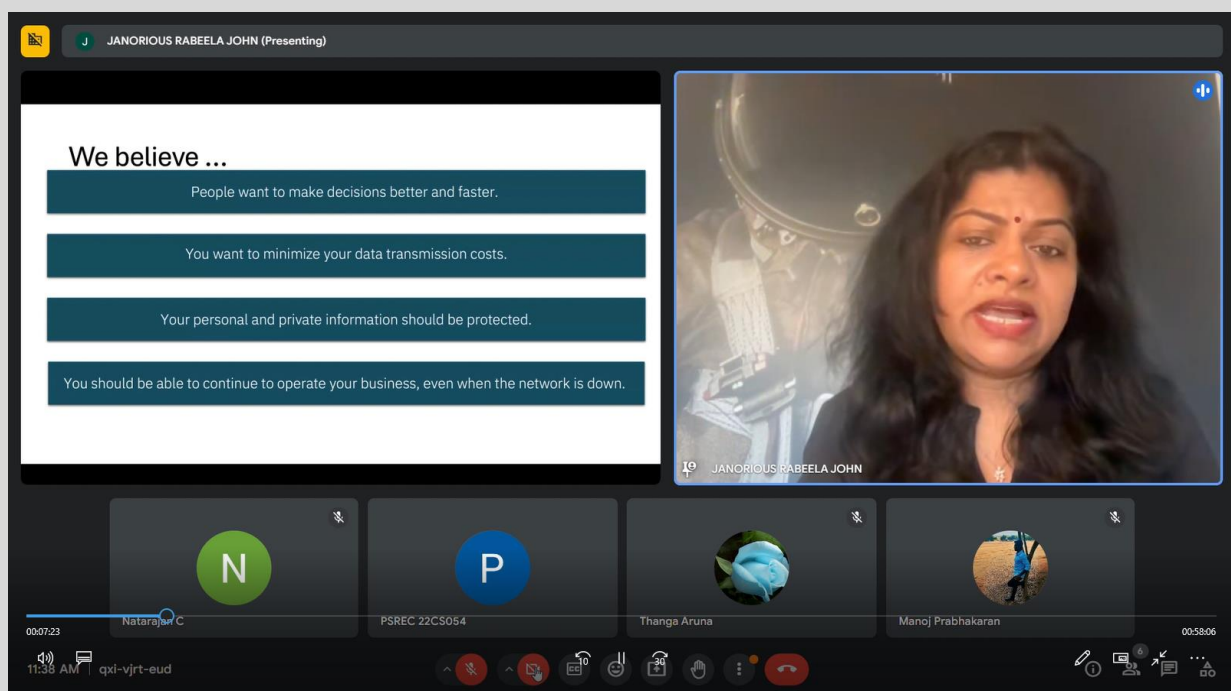
The Department of Computer Science and Engineering has organized one day workshop “**Generative AI and its Applications**” on 22nd October, 2024. Totally 122 students from our department participated in the workshop. Mr.Mohammed Newsath Sherif J,MD & CEO, & Mr.Meyyansanthosh, Marketing Head, EdtoDo Technovations LLP, (A Startup India& DPIIT Recognized Entity), Chennai & Tirunelveli as chief guest of the event.



The Department of Computer Science and Engineering has organized two days hands-on training “**Internet of Things**” on 02nd & 03rd September, 2024. Totally 127 students from our department participated in the training.



The Department of Computer Science and Engineering has organized webinar “**Digital Twin & Edge Computing**” on 29th September, 2024. Totally 127 students from our department participated in the webinar. Mrs.J.Janorious Rabeela Global CTO & Chief Architect, Edge Computing IBM Consulting, Germany as chief guest of the event.



The Department of Computer Science and Engineering has organized national level Inter-Collegiate Technical Symposium “XZEYOTRIX ‘24” on 17th October, 2024. Totally 235 students from our department participated in the symposium. Mr.D.SelvaKumar, Technical Lead, Kissflow, Chennai as chief guest of the event.



ACTIVITIES BY OUR FACULTY

FACULTY ACHIEVEMENTS:

S.No	FACULTY NAME	ORGANIZATION	AWARD NAME	DATE
1.	Dr. R. Arun	Environmental Advisory For Sustainable Trust (EAST)	Excellent Researcher Award	24/11/2024

PATENT PUBLICATIONS:

- ❖ Published a patent titled on “Intelligent Virtual Assistants for Natural Language Processing in E-Commerce Applications” on 25th October 2024. Application No:202441077580.
- ❖ Published a patent titled on “Multi-Device Synchronization for Real-Time Collaboration in Cloud-Based Environments” on 25th October 2024. Application No:202441077588.
- ❖ Published a patent titled on “Secure And Scalable Distributed File System For Big Data Storage And Processing” on 25th October 2024. Application No:202441077589.
- ❖ Published a patent titled on “Intelligent Resource Allocation Algorithm For Optimizing Cloud Computing Performance” on 25th October 2024. Application No:202441077594.
- ❖ Published a patent titled on “Collaborative Filtering Recommendation Engine For Personalized Content Delivery” on 25th October 2024. Application No:202441077590.
- ❖ Published a patent titled on “Privacy-Preserving Data Mining Techniques For Big Data Analytics” on 25th October 2024. Application No:202441077595.
- ❖ Published a patent titled on “Deep Learning-Based Cloud Intrusion Detection System” on 25th October 2024. Application No:202441077596.
- ❖ Published a patent titled on “Deep Learning Classifiers For Network Attack Detection System” on 25th October 2024. Application No:202441077582.
- ❖ Published a patent titled on “Dynamic Load Balancing For Mobile Fog Computing Environments” on 25th October 2024. Application No:202441077577.
- ❖ Published a patent titled on “Intelligent Resource Allocation Algorithm For Fog Servers In Device-Level Fog Computing” on 25th October 2024. Application No:202441077583.
- ❖ Published a patent titled on “Fog Gateway-Based Edge Computing For Seamless Data Processing In Connected Vehicles” on 25th October 2024. Application

No:202441077592.

- ❖ Published a patent titled on “Secure Fog Computing Architecture for Resource-Constrained Mobile Devices” on 25th October 2024. Application No:202441077593.
- ❖ Published a patent titled on “Privacy-Preserving Data Aggregation for Fog Servers in Medical Computing Applications” on 25th October 2024. Application No:202441077581.
- ❖ Published a patent titled on “Steam Based Fog Node Deployment for Disaster Management in Fog Computing Networks” on 25th October 2024. Application No:202441077587.
- ❖ Published a patent titled on “Secure Virtual Reality Cloud Computing Using Serverless Architecture and Biometric Authentication” on 25th October 2024. Application No:202441077585.
- ❖ Published a patent titled on “Augmented Reality Asset Management Platform with Non-Fungible Token Integration” on 25th October 2024. Application No:202441077591.
- ❖ Published a patent titled on “Deep Learning-Based Fraud Detection System for Financial Institutions” on 25th October 2024. Application No:202441077578.
- ❖ Published a patent titled on “Natural Language Processing in Virtual Healthcare Assistants” on 25th October 2024. Application No:202441077584.
- ❖ Published a patent titled on “Blockchain-Powered Supply Chain Management System” on 25th October 2024. Application No:202441077586.
- ❖ Published a patent titled on “Gesture Recognition for Human-Computer Interaction” on 25th October 2024. Application No:202441077579.
- ❖ Granted a patent titled on “Automatic Humidity Monitoring and Irrigation System with IOT” on 30th August 2024. Patent Grant No:202341026449.
- ❖ Granted a patent titled on “Portable Device for Traffic Management” on 05th November 2024. Patent Grant No: 436504-001.
- ❖ Granted a patent titled on “Portable Projector Stand” on 05th November 2024. Patent Grant No: 436498-001.
- ❖ Granted a patent titled on “Smoke Detector” on 15th December 2024. Patent Grant No: 440652-001.
- ❖ Granted a patent titled on “AI Based Face Recognition Bot” on 15th December 2024. Patent Grant No: 440652-001.

- ❖ Granted a patent titled on “IOT-Based Alarm Clock” on 15th December 2024. Patent Grant No: 440646-001.
- ❖ Granted a patent titled on “AI Based Wireless Electricity Consumption Monitoring Device” on 16th December 2024. Patent Grant No: 440757-001.
- ❖ Granted a patent titled on “GPS Tracker for Couriers” on 16th December 2024. Patent Grant No: 440685-001.
- ❖ Granted a patent titled on “Advanced Wireless Mouse” on 19th December 2024. Patent Grant No: 436518-001.
- ❖ Granted a patent titled on “Advanced Network Repeater” on 27th December 2024. Patent Grant No: 436517-001.

BOOK CHAPTER PUBLISHED:

- ❖ Singaravelan S, Alwin John P, Vargheese M, Gopalsamy P, Pavunraj D, Selvakumar V, ArunShunmugam D, “Automatic Screening of Skin Cancer”, IGI Global, 2024, ISBN 9781799898054.
- ❖ Ramani R, Thiruselvan P, Ramathilagam A, “Quantum Information Science”, Quantum Machine Learning & Taylor & Francis, 2024, ISBN 9781003429654.
- ❖ Amutha S, Ramathilagam A, Uma Maheswari G, “Introduction to Artificial Intelligence and Machine Learning”, Scientific International Publishing House, 2024, ISBN 97983-6932-6152.
- ❖ Singaravelan S, Arun R, ArunShunmugam D, Manohar Ethirajan, Ramasubramanian P, Gopalsamy P, Balaganesh Subbiah, Kasirajan K “Next Generation Smart Street Light Monitoring and Controlling System Using IOT”, IGI Global, 2024, ISBN 979-8-3693-4326-5.
- ❖ Kavitha M, Shiney J. Roscia Jeya, Gopikannan P, Mahalakshmi M, “Machine Learning-Based Network Attack Prediction”, IGI Global, 2024, ISBN 979-8-3693-4326-5.

CONFERENCE PUBLICATION

1. Rajasathiya K; **Palanikumar R**, “A Review of Machine Learning and IoT Approaches for the Soil Quality Assessment in Agricultural and Land Management”, 2024 4th International Conference on Ubiquitous Computing and Intelligent Information Systems IEEE (ICUIS), Gobichettipalayam, India, December 12-13, 2024.
<https://doi.org/10.1109/ICUIS64676.2024.10866466>.

2. **J. Amutha, S. Priyadarsini**, S. Prasanth, M. R. Senkumar, M. Ramnath, T. Jasperline, “Oral Lesion Cell Segmentation and Classification using Convolution Neural Network Technique”, 2024 IEEE 3rd World Conference on Applied Intelligence and Computing (AIC), Gwalior, India, 2024, July 27-28, 2024, <https://doi.org/10.1109/AIC61668.2024.10730889>.
3. N. Krishnaveni, D. ArunShanmugam, **Kirubananthavalli**, G. Rajeswari, S. Amutha, K. Angel Jean Vincy, “Machine Learning Based Models for the Early Detection of Autism Spectrum Disorder”, 3rd International Conference on Advances in Data-driven Computing and Intelligent Systems (ADCIS 2024), IEEE, September 20-21, 2024.
4. **P.Giridhar**, P.Vigneshwaran, S. Kesavan, S. Dinesh, “Convolutional Neural network Based Crack detection and classification in Concrete beams”, International Conference on Sustainable Materials and Technologies in VLSI and Information Processing organized by the Dept. of ECE, Kalasalingam Academy of Research and Education, Tamilnadu, December 13-14, 2024.

JOURNAL PUBLICATIONS:

SCI/ SCOPUS:

1. M SahayaSheela, JJ Jayakanth, **A Ramathilagam**, JeffinGracewell, (2024), “Secure wireless sensor network transmission using reinforcement learning and homomorphic encryption”, International Journal of Data Science and Analytics, pp. 1-20, <https://doi.org/10.1007/s41060-024-00633-7>.
2. **A Ramathilagam**, K Vijayalakshmi, (2024) “Customizable Fuzzy-Neuro Inference System Attack Detection Based on Trust for Mobile Wireless Sensor Networks”, Wireless Personal Communications, Vol.137, pp.671-684, <https://doi.org/10.1007/s11277-024-11263-4>.
3. **C. Balasubramanian**, G. Sathya, R. Praveen, (2024), “Hybrid Mexican axolotl and bitterling fish optimization algorithm-based spectrum sensing multihop clustering routing protocol for cognitive sensor networks”, Scientific Reports, <https://doi.org/10.1038/s41598-024-82311-z>.
4. P. Vimalkumar, **C. Balasubramanian**, (2024), “Tuned Linear Threshold Model for Tracking Influential Node in Social Network”, IETE Journal of Research, <https://doi.org/10.1080/03772063.2024.2437545>.
5. ThiruselvanPalusamy, **BalasubramanianChelliah**, (2024), “Multiagent DDOS attack detection model: Optimal trained hybrid classifier and entropy-based mitigation process”, Network: Computation in Neural Systems, pp.1-33, <https://doi.org/10.1080/0954898X.2024.2412674>.
6. G. Sathya, **C. Balasubramanian**, (2024), “Hybrid Boosted Chameleon and modified Honey Badger optimization algorithm-based energy efficient cluster routing protocol for cognitive radio sensor network”, Sustainable Computing: Informatics and Systems, Vol.43, pp. 1-16, <https://doi.org/10.1016/j.suscom.2024.101023>.
7. **R Ramani**, S Sankar Ganesh, SPV Rao, NitishaAggarwal, (2024), “Integrated Multi-Modal 3D-CNN and RNN Approach with Transfer Learning for Early Detection of Alzheimer’s

- Disease”, Iranian Journal of Science and Technology, Transactions of Electrical Engineering, <https://doi.org/10.1007/s40998-024-00769-z>.
8. **R Ramani**, A Rosline Mary, S Edwin Raja, D ArunShunmugam, (2024), “Optimized data management and secured federated learning in the Internet of Medical Things (IoMT) with blockchain technology”, Biomedical Signal Processing and Control, Vol.93, <https://doi.org/10.1016/j.bspc.2024.106213>.
 9. **Selvakumar V.**; Ahilan A.; Ben Sujitha B.; Muthukumar N, (2024), “Crystals kyber cryptographic algorithm for efficient IoT D2d communication”, Wireless Networks, <https://doi.org/10.1007/s11276-024-03790-6>
 10. S.Sankar Ganesh, NitishaAggarwal, **A. Ramathilagam**, M.Anandan, V.JeyaRamya, (2024), “Dynamic Neural Network-Based Resource Allocation Framework for Latency-Aware and Energy-Efficient Optimization in Wireless Communication Systems”, Journal of Electrical Systems, Vol. 20, issue. 5s , pp. 2016-2024, <https://doi.org/10.52783/jes.2538>.
 11. GnanajeyaramanRajaram, **R. Palanikumar**,VinothPandian, A.Selvarani, N. Herald Anantha Rufus, (2024), “Real-time Classification of Brain States in Functional MRI Using Dynamic Connectivity Patterns and Machine Learning”, Journal of Electrical Systems, 20-5s(2024):2095-2103, <https://doi.org/10.52783/jes.2547>.
 12. B. Venkataramanaiah, M. Anuradha, K. Balasubramanian, C. Gnanaprakasam, D. Praveen Kumar, and **R. Palanikumar**, (2024), “Cardiovascular abnormalities classification model using machine learning and signal processing techniques”, International Journal of Intelligent Systems and Applications in Engineering, vol. 12, issue. 6s, pp.10-20.
 13. D. Selvaraj J. Jen J Jasmine **R. Ramani**, D. Dhinakaran G. Prabakaran,(2024), “AFCP Data Security Model for EHR Data Using Blockchain”, Journal of Cybersecurity and Information Management, Vol.15, issue 1, pp.22-33, <https://doi.org/10.54216/JCIM.150103>.
 14. **Ramani R.**; Dhinakaran D.; Edwin Raja S.; Thiyagarajan M.; Selvaraj D., (2024), “Integrated normal discriminant analysis in mapreduce for diabetic chronic disease prediction using bivariant deep neural networks”, International Journal of Information Technology (Singapore), Vo.16, pp. 4915-4929, <https://doi.org/10.1007/s41870-024-02139-8>
 15. N. Kumaran, I. Parvin Begum, **R. Ramani**, S. Pournima, D. Leela Rani, and A. Radhika, (2024) “Brain disease diagnosis prediction model for fuzzy based generic shaped clustering and hpu-net,” International Journal of Intelligent Systems and Applications in Engineering, vol. 12, no. 1s, pp. 291–301.
 16. D. Murugan S. **Singaravelan**, P. VelayuthaPerumal, **R. Arun**, **V. Selvakumar**, (2024) “Deep Learning-Based Echo State Neural Network for Cyber Threat Detection in IoT-Driven IICS Networks”, International Journal of Computing, Vol.23, issue 2, pp.205-209,<https://doi.org/10.47839/ijc.23.2.3538>.
 17. J Madhumitha, **R Arun**, **S Singaravelan**, **V Selvakumar**, **S Balaganesh**, **P Gopalsamy**, **M Vargheese**, (2024) “Generative adversarial network with resnet discriminator for brain tumor classification, opsearch, <https://doi.org/10.1007/s12597-024-00835-4>.

18. M.SwarnaSudha, M. Manimaraboopathy, Arun Aram, K.Vaishnavi, ShrutiBhargavachoubey,**S.Singaravelan**, (2024), “Privacy-Preserving Image Deblurring with Federated Learning through an Adaptive Framework for Cloud-Assisted Devices”, International Journal of Intelligent Systems and Applications in Engineering, Vol.12, iss.(23s), pp.111-117.
19. S. Rajaprakash, C. BagathBasha, M. Nithya, K. Karthik, NitishaAggarwal, **S. Kayathri**, (2024), “RNN-Based Framework for IoT Healthcare Security for Improving Anomaly Detection and System Integrity”, Babylonian Journal of Internet of Things, Vol.2024, pp.106-114, <https://doi.org/10.58496/BJIoT/2024/013>.
20. **Thiruselvan P**, Vani Dave, AnshikaShukla, Sakkaravarthi S, Kumaresan K, Kesavamoorthy R, (2024), “Comparative Analysis of Steganographic Methods Versus Cryptographic Techniques in Information Security”, African Journal of Biological Sciences, Vol.4, iss.4, pp.2636-2645, <https://doi.org/10.48047/AJBS.6.Si4.2024.2636-2645>.
21. R. Sreelakshmy, BharthalaHemakumari, ArchanaVinayakKulkarni, G. Srinitya, **V.G.Saranyavaishalini**, M Neeladri, (2024), “Graphene-based Wearable Sensor for Biometric Authentication and Real-Time Health Monitoring with Secure AI at the Edge”, International Journal of Intelligent Systems and Applications in Engineering, Vol.12, Issue.23s, pp.62-70.
22. A.Jasvant Ram, K. Prema, N. Susila, K. Jaya Deepthi, **C. Sakthi Lakshmi Priya**, S. Manikandan, (2024), “Novel Emotion Recognition Framework from Facial Expressions Using Spiking Neural Networks on Wearable Edge Devices”, International Journal of Intelligent systems and applications in Engineering, Vol.12, Issue 23s, pp.51-61.

GOOGLE SCHOLAR

1. Abinaya A, Amirthaa M, Amutha V, **SaranyaVaishalini V G**, (2024), “Campus Recruitment and Training Schedule Application”,International Research Journal of Modernization in Engineering Technology and Science, Vol.6, Issue.11, pp.6274-6278.

LIST OF RESEARCH PROPOSALS SUBMITTED:

S. No	Academic Year	Title of the Programme	Principal Investigators (PI) / Co-PI	Funding Agency	Amount Submitted in Lakhs
Workshop:					
1.	2024–25	Blockchain Bootcamp for Beginners: Building your First Decentralized Application (DApps)	Dr.C.Balasubramanian Dr.Singaravelan	Science and Engineering Research Board (SERB)	1,50,000

Consultancy Projects:				
2.	Experimental analysis on Diagnostic performance of contrast-enhanced CT combined with contrast-enhanced MRI for colorectal liver metastases	Dr.S.Singaravelan Dr.R.Arun Mr.S.Balaganesh Mr.P. Gopalsamy Ms.G.Renguadevi	SandG Innovators 343C/128C, Palaniappa Complex, Mettupalayam, Coimbatore 641 301	1,50,000
3.	Study of SOP and implementation process in software	Dr.A.Ramathilagam Dr.R.Palanikumar Mrs.S.Sujitha Mrs.R.Anitha Mr.P.Ramasubramanian	Subam Paper Boards Pvt. Ltd., Tirunelveli 627010	1,40,000
4.	Bandwidth reduction using Content Delivery Networks (CDN)	Dr.C.Balasubramanian Dr.R.Natchadalingam Mr.C.Natarajan Mrs.J.Amutha Mrs.M.ThangaAruna	Quadrant Labs Old no 17 new, no 43, SrimanSrinivasa Road, Teynampet, Chennai, Tamil Nadu – 600018	1,40,000

KNOWLEDGE GAINED FROM VARIOUS FORUMS

WORKSHOPS/FDPS/FIPS/SEMINARS/ONLINE COURSES:

Name of the Faculty	Title of the programme	Organization	Duration
Dr.A.Ramathilagam	Enhancing cyber threat detection through Incorporating digital technologies	VelTechRanagarajan Dr.Sagunthala R&D Institute of Science and Technology	09/12/24 to 14/12/24
	Artificial Intelligence's impact on Transforming Software, Robotics, Electrical, Electronics &	DhaanishAhamed College of Engineering,	05/08/24 to 10/08/24

	Mechanical fields	Chennai	
	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	NiralThiruvizha (Hackathon) competition	Tamilnadu skill Development corporation	2024
Dr.C.Balasubaramani an	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
Dr.S.Singaravelan	Research Challenges, issues and trends in Data Science and Machine learning	PSN College of Engineering and Technology (Autonomous)	18/11/24 to 22/11/24
	Dart With Flutter Framework	PSN College of Engineering and Technology (Autonomous)	16/11/24
Dr.R.Palanikumar	Enhancing cyber threat detection through Incorporating digital technologies	VelTechRanagarajanDr.Sagunthala R&D Institute of Science and Technology	09/12/24 to 14/12/24
	Social Network Analysis	NPTEL – AICTE	Jul 24 to Oct 24
	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Department of CSE, KCET, Virudhunagar	09/09/24 to 13/09/24
	Recent Trends in Computing 4.0	Vishwakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	Exploring Computational Intelligence	SCOPE, VIT–AP University, Amaravati.	16/07/24 to 20/07/24

Dr.R.Natchadalingam	Enhancing cyber threat detection through Incorporating digital technologies	VelTechRanagaraj anDr.Sagunthala R&D Institute of Science and Technology	09/12/24 to 14/12/24
Dr.S.Priyadarsini	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
Dr.R.Arun	Enhancing cyber threat detection through Incorporating digital technologies	VelTechRanagaraj anDr.Sagunthala R&D Institute of Science and Technology	09/12/24 to 14/12/2024
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/2024
	Big Data Analytics for Smart Grid	SCAD College of Engineering and Technology, Tirunelveli	05/08/24 to 10/08/24
	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
Dr.P.Kavitha	Enhancing cyber threat detection through Incorporating digital technologies	VelTechRanagaraj anDr.Sagunthala R&D Institute of Science and Technology	09/12/24 to 14/12/24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
	Recent Trends in Computing 4.0	Viswakarma Institute of	08/07/24 to 13/07/24

		Technology, Pune	
	Web Development using Django	Kamaraj College of Engineering and Technology, Virudhunagar	05/08/24 to 09/08/24
Dr.R.Ramani	Cloud computing	NPTEL – AICTE	Jul 24 to Oct 24
	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
Dr.V.Selvakumar	Dart With Flutter Framework	PSN College of Engineering and Technology (Autonomous)	16/11/24
	Artificial Intelligence's impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields	DhaanishAhamed College of Engineering, Chennai	05/08/24 to 10/08/24
	Exploring Artificial Intelligence: Trending Technologies	DMI college of Engineering, Chennai	09/09/24 to 13/09/24
	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
Mr.P.Raghavan	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
Mr.P.GopiKannan	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
Mrs.A.Ishwariya	Enhancing cyber threat detection through Incorporating digital technologies	VelTechRanagarajanDr.Sagunthala R&D Institute of Science and	09/12/24 to 14/12/24

		Technology	
	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
	Research & Life	ILC Academy, Alappuzha	10/08/24
	Recent trends in machine learning and its application	SRM Institute of science and technology	28/09/24
Mr.P.Gopalsamy	Research Challenges, issues and trends in Data Science and Machine learning	PSN College of Engineering and Technology (Autonomous)	18/11/24 to 22/11/24
	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
	“Edge Cutting Technologies in IT Field”	RajapalayamRaju’ s College, Rajapalayam	19/09/24 to 23/09/24
Mr.S.Balaganesh	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
	Zero Trust Cloud Security	National Institute of Technical Teachers Training and Research,	05/08/24 to 09/08/24

		Chandigarh	
	NiralThiruvizha (Hackathon) competition	Tamilnadu skill Development corporation	2024
Mrs.J.Amutha	Research Challenges, issues and trends in Data Science and Machine learning	PSN College of Engineering and Technology (Autonomous)	18/11/24 to 22/11/24
	Programming In Java	NPTEL – AICTE	Jul 24 to Oct 24
	Harnessing Artificial Intelligence for Healthcare Excellence: Innovations, Insights and Impact	SRM Institute of Science and Technology, Ramapuram	24/06/24 to 29/09/24
Mrs.S.Kayathri	CCS334- Big Data Analytics	Centre for faculty and professional development Anna university, Chennai	22/07/24 to 27/07/24
Mrs.V.G.Saranyavais halini	Enhancing cyber threat detection through Incorporating digital technologies	VelTechRanagaraj anDr.Sagunthala R&D Institute of Science and Technology	09/12/24 to 14/12/24
	Artificial Intelligence's impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields	DhaanishAhamed College of Engineering, Chennai	05/08/24 to 10/08/24
	Web Development using Django	Kamaraj College of Engineering and Technology, Virudhunagar	05/08/24 to 09/08/24
	Deep Learning and IoT	Kongu	16/08/24 to

	Technologies in Precision Healthcare	Engineering College, Erode	17/08/24
	Essential mathematics for machine learning, deep learning and cyber security	SRM Institute of science and technology, Chennai	18/10/24 to 25/10/24
	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	Exploring Computational Intelligence	SCOPE, VIT–AP University, Amaravati.	16/07/24 to 20/07/24
	NiralThiruvizha (Hackathon) competition	Tamilnadu skill Development corporation	2024
Mrs.S.Sujitha	Deep learning and tools for medical Applications	Baselios Mathews II college of Engineering, Kerala	03/10/24 to 04/10/24
	Ethical hacking	NPTEL – AICTE	Jul 24 to Oct 24
	Applied Accelerated Artificial Intelligence	NPTEL – AICTE	Jul 24 to Oct 24
Mrs.R.Anitha	Deep learning and tools for medical Applications	Baselios Mathews II college of Engineering, Kerala	03/10/24 to 04/10/24
Ms.M.Jayapriya	Programming in Modern C++	NPTEL – AICTE	Jul 24 to Oct 24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
Ms.G.Renuga Devi	Artificial Intelligence’s impact on Transforming Software, Robotics, Electrical, Electronics &Mechanical fields	DhaanishAhamed College of Engineering, Chennai	05/08/24 to 10/08/24
	Deep Learning and IoT Technologies in Precision	Kongu Engineering	16/08/24 to

	Healthcare	College, Erode	17/08/24
	Research & Life	ILC Academy, Alappuzha	10/08/24
Mrs.C.Sakthi Lakshmi Priya	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	Transform with AI	Dhaanish Ahmed Institute of Technology, Chennai	29/07/24
Mrs.M.StellaInba Mary	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
Ms.M.ThangaAruna	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
Mr.K.Manikandan	Recent Trends in Computing 4.0	Viswakarma Institute of	08/07/24 to 13/07/24

		Technology, Pune	
Ms.M. Uma Maheswari	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
	Cloud computing	NPTEL – AICTE	Jul 24 to Oct 24
Mr.P.RamaSubramanian	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	Introduction to operating system	NPTEL – AICTE	Jul 24 to Sep 24
	Algorithmic thinking with Python	Bishop Jerome Institute, Kollam	07/09/24 to 12/09/24
	Data Management and Data Mastering	Providence College for Women, Nilgiris	26/07/24 to 29/07/24
Mr.C.Natarajan	Unleashing the Power of Ethical Hacking and Shielding The Cyber Battlefield : Safeguarding Defense against Cyber Attacks	Kamaraj College of Engineering and Technology, Virudhunagar	11/09/24 to 15/09/24
	Computer Architecture	NPTEL – AICTE	Jul 24 to Oct 24
Mrs.K. Kirubanthavalli	Recent trends in machine learning and its application	SRMIST	28/09/24
	Cutting edge technology in computer science	Easwari Engineering college	23/09/24 to 29/09/24
	Writing Research Articles using LaTeX - Overleaf	Sri ChandrasekharendraSaraswathiViswamahavidyalaya, Enathur, Kanchipuram	09/09/24 to 13/09/24

	Artificial Intelligence's impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields	DhaanishAhamed College of Engineering, Chennai	05/08/24 to 10/08/24
	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
	Web Development using Django	Kamaraj College of Engineering and Technology, Virudhunagar	05/08/24 to 09/08/24
	Exploring Computational Intelligence in Deep Learning : Emerging Trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
Mr.P.VelayuthaPeru mal	Cutting edge technology in computer science	Easwari Engineering college	23/09/24 to 29/09/24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
	Emerging Trends in Advanced Engineering Research : Opportunities and Challenges	SreeSakthi Engineering College, Coimbatore	01/07/24 to 06/07/24
	Computer Vision and Gen-AI Tools	Ramco Institute of Technology, Rajapalayam	15/07/24 to 27/07/24
	Web Development using Django	Kamaraj College of Engineering and Technology,	05/08/24 to 09/08/24

		Virudhunagar	
Mr.M.Giridhar	Recent Trends in Computing 4.0	Viswakarma Institute of Technology, Pune	08/07/24 to 13/07/24
Mrs.V.Maheswari	Recent Advancement in AI & IOT Industry perspective	PeriyarManiamma i Institute of Science and Technology	25/11/24 to 30/11/24
	Deep Learning	NPTEL – AICTE	Jul 24 to Oct 24
	Exploring computational Intelligence in Deep Learning: Emerging trends and Real Time Applications	Kamaraj College of Engineering and Technology, Virudhunagar	09/09/24 to 13/09/24
	Exploring Artificial Intelligence: Trending Technologies	DMI college of Engineering, Chennai	09/09/24 to 13/09/24
	AI FDP Training	IBM Developer Skills Network.	03-09-24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 to 17/08/24
	Artificial Intelligence’s impact on Transforming Software, Robotics, Electrical, Electronics & Mechanical fields	DhaanishAhamed College of Engineering, Chennai	05/08/24 to 10/08/24
	Web Development using Django	Kamaraj College of Engineering and Technology, Virudhunagar	05/08/24 to 09/08/24
	CCS334- Big Data Analytics	Centre for faculty and professional	22/07/24 to 27/07/24

		development Anna university, Chennai	
	Supporting in Evaluation of Students projects on IBM Professional on Emerging technology	IBM Developer Skills Network.	24/07/24
Ms.S.M.Mathumathi	Enhancing cyber threat detection through Incorporating digital technologies	VelTech Ranagarajan Dr.Sagunthala R&D Institute of Science and Technology	09/12/24 TO 14/12/24
	Deep Learning and IoT Technologies in Precision Healthcare	Kongu Engineering College, Erode	16/08/24 TO 17/08/24
	Web Development using Django	Kamaraj College of Engineering and Technology, Virudhunagar	05/08/24 TO 09/08/24
	Essential mathematics for machine learning, deep learning and cyber security	SRM Institute of science and technology, Chennai	18/10/24 TO 25/10/24

ACTIVITIES BY OUR STUDENTS

STUDENTS ACHIEVEMENT:

Name of the Student	Title of the Event	Date	Venue	Awards
Shanmugapriya G R	Introduction to Internet of Things	Jul – Oct 2024	NPTEL	ELITE(60%)
Packiyalakshmi M	Data Structure and Algorithms using Java	Jul – Oct 2024	NPTEL	ELITE(61%)
K.Vignesh	PAPER PRESENTATION - FESTRONIX 2K24	25.10.2024	K.Ramakrishnan College of Technology, Tiruchirappalli	II Prize
Jusvanth Raja J	India's largest Skill Contest	11.10.2024	Naukri Campus Young Turks	(95.48%)
Lavanya L	National Level Technical Symposium –“VALIANT '24”-TECH TALKS	08.11.2024	AAA College of Engineering and Technology	2 nd Prize

Students from our department participated in various events organized by different institutions.

Name of the Student	Date	Title of The Event	Venue
Aathish Vijay S M Ashokkumar T Chinnadurai P	20.12.2024 - 21.12.2024	National Level Technical Fest- VERTEX12.0 –Cyber Forge (Second Prize)	MVJ College of Engineering, Bengaluru.
Rubinesh P Saravanan J Mohamed Faiz S	20.12.2024 - 21.12.2024	National Level Technical Fest- VERTEX12.0- ShowDown	MVJ College of Engineering, Bengaluru.
BalaMurali N Guberan S	04.11.2024 - 06.11.2024	Workshop-Qualitative Research Methodology	Krishna KantaHandiqui State Open University, Assam
Nova S VigneshAbranantha	03.10.2024	DRDO –Sponsored National Seminar on	CHIRST Deemed to be University), Bengaluru

m T		Quantum Cryptography: Unleashing Secure Communication	
Revathi V Haritha M	07.09.2024	Expert Session- 'Exploring AI Ethics'	Kerala University of Digital Sciences, Innovation and Technologies, Kerala
Dharshini B Deepshiha Narayan G	30.07.2024	Hackathon- 'Cyber Security and Ethical Hacking'	MVJ College of Engineering, Bengaluru.
Anupriya A Mahesh Bharathi M	28.08.2024	Workshop-Block chain and Web 3	Poorinma Institute of Engineering and Technology, Jaipur.
Harshini G Jeyajeeva J Gayathiri R	10.08.2024	From Rejected to Published Strategies for Dealing with the Rejection of Scientific Articles	JAIN (Deemed to be University), Bengaluru
AbishekMuthaiah S.K Johnson A J	03.08.2024 - 04.08.2024	Workshop-Image Processing using Open CV &IoT	D Y Patil's Ramrao Adik Institute of Technology, Maharashtra
Packiyalakshmi M	Jul' – Oct' 2024	Data Structures and Algorithms using Java	NPTEL (Elite)
Shanmugapriya G R	Jul' – Oct' 2024	Introduction to Internet of Things	NPTEL (Elite)
Packiyalakshmi M	Jan' – Apr' 2024	Cloud Computing	NPTEL(ELITE)
Johnson A J	10.11.2024	Foundational C# with Microsoft	Microsoft Developer Division
BalaMurugan R Bharath T Ashok Kumar T. Shenbagaraj M	18.09.2024 - 19.09.2024	Web Development	Sri Krishnasamy Arts & Science College, Sattur
ManojPrabhakaran R Manish Vedanayagam R Athiesh Vijay S M Chinadurai C Ashok Kumar T	23.07.2024	Career Guidance	Govt Higher Seconday School, Kollakinaru, Thoothukudi
BalaMurugan R Lakshmana Pandian P Bharath T JeyaSeelan I	18.09.2024 - 19.09.2024	Mobile App Development	G, Venkataswamy Naidu College, Kovilpatti
Dharshankumar G	25.10.2024	TECH	Neuro Tech Titans at SRM Institute

Balaji M Devavaragan R		SPECTRUM'24- IDEANOVA	Of Science And Technology, Tiruchirappalli.
Vignesh K(2 nd Prize)	25.10.2024	PAPER PRESENTATION - FESTRONIX 2K24	K.Ramakrishnan College of Technology, Tiruchirappalli
Santhosh K L Ragland Abraham T R PriyaMahalakshmi M	25.10.2024	AI-CONCLAVE	District Administration &MepcoSchlenk Engineering College, Sivakasi
Thilagavathi D	22.08.2024	International Quiz National Mathematics Day	Sri Parasakthi College For Women, Courtallam
Lavanya L Sharmila S	03.08.2024	IDEATHON '24 on Emerging Technologies for Community & Industrial Innovation	ACIC-Kalasalingam Innovation Foundation, KARE Srivilliputhur.
Thilagavathi D	19.09.2024	RBI@90 Nationwide Quiz 2024	Reserve Bank of India
Johanson A J JeyaAnand S	08.11.2024	VALIANT'24-Paper Presentation National Level Technical Symposium	AAA College of Engineering and Technology, Sivakasi
Johanson A J JeyaAnand S	08.11.2024	VALIANT'24-Junify National Level Technical Symposium	AAA College of Engineering and Technology, Sivakasi
Lavanya L(Won II Prize) Kenkasri R(Won II Prize)	08.11.2024	VALIANT'24-Tech Talks National Level Technical Symposium	AAA College of Engineering and Technology, Sivakasi
Kenkasri R	08.11.2024	VALIANT'24- Best Manager National Level Technical Symposium	AAA College of Engineering and Technology, Sivakasi
Kenkasri R	08.11.2024	VALIANT'24- Site Scout National Level Technical Symposium	AAA College of Engineering and Technology, Sivakasi
LogaParvatharajaku mari M	08.07.2024	Workshop- ANDROID	Code bind Technologies
LogaParvatharajaku mari M	08.07.2024	Corporate Training Test	Code bind Technologies
Sudha S	06.07.2024	Corporate Training Test	Code bind Technologies

Sudha S	06.07.2024	Workshop-Artificial Intelligence	Code bind Technologies
Harini K Manish Vethanayagam R Chinnadurai P Ashok Kumar T	03.07.2024	Workshop-Artificial Intelligence	Code bind Technologies
Chinnadurai P Harini K Manish Vedanayagam R	03.07.2024	Corporate Training Test	Code bind Technologies
Jusvanth Raja J (95.48%)	11.10.2024	Naukri Campus Young Turks	YOUNG TURKS
Mathumitha TF	16.11.2024	Machine Learning Onramp	Maths Works
DhivyaSri.P Archana S Sivasakthi P	21.09.2024	SAWIT.AI Learnathon	GUVI & HCL Tech
Priyadharshini R Nivetha R Nandhini M	25.08.2024	Workshop on “Tech Jobs 2025”	U Can Solution &Tech Fever Tablet
Priyadharshini R Nivetha R Nandhini M	10.11.2024	Workshop on “Preparation Steps to get IT Jobs in 2025”	U Can Solution &Tech Fever Tablet
JeyaJeeva J Kaviasree K Aruna Shree S Bharathi P Ashika Sri G AmirthaZerin D Lavanya L Lisanthini S Aarthi J Jeyajeeva J Gayathiri R Uma Priya D Santhiya M Sharmila S NithyaGomathi G	29.09.2024	AR/VR Workshop	PORTALAM Infotainment
Pavithra R SaiShivani G Siva Sakthi P Soundarya K A Samyuktha S Sivaranjani S Noor Affrin R	05.10.2024	Software Development Process & Opportunity	i-Tech Academy, Tirunelveli

Vinothini A Srinithi R KalaiSelvi K Padmahema K Vanmathi P Raja Rajeswari S Jayasri P Saranya C			
Kenkasri R KaviyaSree K Jaya Jeeva J Logeswari S Ananthi S Akash K Guberan S AbishekMuthaiah S K Lavanya L Anusuhashini S.B Aarthi J JeyaAnand S Bharath Kumar J Dinesh S Packiyalakshmi M Gayathiri R Lisanthini S Srinithi E Santhiya M AmrithaZerin D	19.08.2024 - 24.08.2024	PC –TECHNICIAN PROGRAM	i-Tech Academy, Tirunelveli

INPLANT TRAINING

S. No.	Register No.	Name of Student	Name of the Industry	Date		Internship
				From	To	
1.	95192101086	RAKESH KRISHNA R	Vini Infotech Solutions, Sankarankovil.	03/12/2024	17/12/2024	UI/UX designer
2.	95192101024	DEEPESH KUMAR P	Asds WebSolution 162/21, 2nd Floor, NorthVel Street, Chennai.	17/12/2024	31/12/2024	Mobile Application Development
3.	95192101002	ABINAYA. A	Anjana Infotech, Rajapalayam	05/12/2024	17/12/2024	Mobile Application Development

4.	95192101027	DHIVYA SRI P	Anjana Infotech, Rajapalayam	05/12/2024	17/12/2024	Data Science
5.	95192101023	DEEPA LAKSHMI A	Alpha Technology Solutions, Rajapalayam	05/12/2024	17/12/2024	Cloud Computing
6.	95192101006	AISHWARYA S	Nxtlogic Software Solutions, Coimbatore	02/12/2024	17/12/2024	Mobile Application Development
7.	95192101030	GOKUL R	Vetri technology and Solutions, Surandai	05/12/2024	12/12/2024	UI/UX Designer
8.	95192101102	SNEKA G	Adroit Firm Innovation& Marketing, Rajapalayam	05/12/2024	17/12/2024	Data Science
9.	95192101088	REVATHI V	HyttekiYoken, Madurai	05/12/2024	17/12/2024	UI/UX Design
10.	95192101068	NANDHINI R	Adroit Firm Innovation& Marketing, Rajapalayam	05/12/2024	17/12/2024	Data Science
11.	95192101090	SADHIESH KRISHNAN M	Fragua Technologies., Tirunelveli	23/12/2024	22/03/2025	Software Developer Intern

STUDENT ARTICLE:



M ROSHINI
II Year II Section