



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)



NEWSLETTER

SCHOOL OF COMPUTING

Department of Computer Science and Engineering

2024 Jan - 2024 Jun / Volume 9 / Issue 2



VISION AND MISSION OF THE DEPARTMENT



VISION

To produce intellectual graduates who could contribute significantly in the analysis, design, development, operation and maintenance of complex software systems for meeting the ever-changing requirements of service systems and to compete globally towards professional excellence.

MISSION

- M1:** Design curricula for imparting training in adapting newer computing methods and technologies for providing effective and efficient solutions to the existing / new problems.
- M2:** Emphasizing in-depth knowledge of the subjects by employing Information and Communication Technology (ICT) based pedagogy methods.
- M3:** Creating a conducive research environment for making technological innovations by the faculty and students.
- M4:** Providing leadership skills and professional ethics thereby making a prolific career in academics and industry.

PROGRAM EDUCATIONAL OBJECTIVES

- PEO1:** Formulate, solve and analyze Computer Science and Engineering problems using necessary mathematical, Scientific and engineering fundamentals.
- PEO2:** Demonstrate the impact of cutting-edge technologies to accomplish social and professional responsibilities.
- PEO3:** Demonstrate critical thinking, communication, teamwork, leadership skills and ethical behavior necessary to function productively and professionally.
- PEO4:** Pursue higher education at reputed institution in India and abroad, work in product development companies and engage in lifelong learning.

PROGRAM OUTCOMES (POs)



- PO1: Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2: Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3: Design / Development of Solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4: Conduct Investigations of Complex Problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5: Modern Tool Usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6: The Engineer and Society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7: Environment and Sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
- PO9: Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10: Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11: Project Management and Finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12: Life-Long Learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



PROGRAM SPECIFIC OUTCOMES (PSOs)

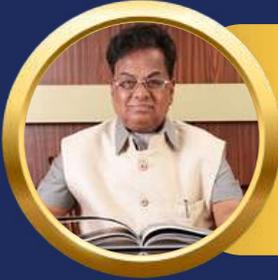
- PSO1: Mathematical Concepts:** Equipped with the knowledge to infer the mathematical models for problem solving using data structures, design and analysis of algorithms.
- PSO2: Software Development:** Exhibit proficiency to analyze, design and develop applications in various domains to provide solutions using innovative ideas.
- PSO3: Transferring Skills:** Demonstrate the ability to provide solutions for real world problems through acquaintance and hands-on training.

NEWSLETTER

The Department of Computer Science and Engineering (CSE), established in 1997, has evolved from a modest intake of 250 students to a vibrant academic community of 3505 students. The Department is equipped with state-of-the-art laboratories and is supported by a highly qualified and dedicated faculty team comprising 22 Professors, 44 Associate Professors, and 165 Assistant Professors. Students actively participate in professional bodies such as CSI, IEEE-CS, IEEE-PCS, IEEE-WIE, ACM, and ISTE, enhancing their technical and professional competencies. The Department regularly organizes technical events, workshops, seminars, hackathons, and coding competitions, and its students consistently demonstrate excellence through notable academic and extracurricular achievements at regional, national, and international levels. The Department maintains an outstanding placement record, with students recruited by leading multinational companies including Amazon, Cisco, Accenture, Capgemini, Virtusa, Wipro, ZOHO, KAAR Technologies, TCS, Microsoft, Infosys, Cognizant, HP, and Verizon. Faculty and students actively contribute to high-quality research publications in reputed journals and conferences, strengthening the Department's research culture. Additionally, the Department publishes two issues of its newsletter every year, showcasing technical events, student achievements, Student placement highlights, and research contributions. For further details, visit www.veltech.edu.in/cse.



INSTITUTION LEADERSHIPS



Col. Prof. Vel. Dr. R. Rangarajan
B.E. (Elec), B.E. (Mech), M.S. (Auto), D.Sc.,
Founder President & Chancellor



Dr. Sagunthala Rangarajan
MBBS
Foundress President



Mrs. Rangarajan Mahalakshmi Kishore
B.Tech, M.Tech, MBA(UK),
Chairperson & Managing Trustee



Prof. S. Salivahanan
B.E, M.E, Ph.D.
Vice-Chancellor



Prof. Dr. V. Srinivasa Rao
B.E, M.E, Ph.D.
Professor
Dean - School of Computing

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Dean - School of Computing

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Associate Dean - SOC

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Professor & Head

Dr. M. S. Muralidhar
HoD - CSE

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Assistant Professor(SG) - CSE



Dr. N. Malarvizhi
Professor/CSE

STUDENT EDITORS



BODDU SWAPNAMADHURI
VTU23242



HONEYSH V
VTU25423



SRI DHANAM M K
VTU26284





COGNIZANCE - IDEAZ 2024

1. UTTKARSH KUMAR (VTU20041)
4. ASHIQUE ALI (VTU20055)
2. YASHRAJ ANAND (VTU20763)
5. SAURAV KUMAR (VTU1909)
3. SUSHANT KUMAR (VTU20074)
6. ABHINAV ANAND (VTU20015)

2ND PRIZE
RS.30, 000



COGNIZANCE - IDEAZ 2024

1. YASH RAJ - VTU23168
2. YESHWANTH GUPTA- VTU20497
3. VANKADARI CHAKRADHAR -VTU22842

2ND PRIZE
RS.30, 000



COGNIZANCE - PROD-G

1. MOUMONI ROY (VTU 22702)
2. VAISHNAV V H (VTU 20096)

2ND PRIZE
RS.30, 000





TRANSFORMING IDEAS INTO PROTOTYPES

Held on 11 January 2024 at the CSE Block, coordinated by Dr. V. Srinivasa Rao and Mrs. K. Prema (CSE), this one-day event challenged interdisciplinary student teams to create rapid prototypes solving problems in smart-city automation, green-cloud optimization, and AI-driven healthcare. The event emphasized design thinking, mentoring, and entrepreneurial skills.



DATAQUEST'24

Machine Learning Model Building

On 11th January 2024, the AI & Data Science department hosted DATAQUEST'24 at the CSE department, coordinated by Coordinated by Dr.T.Kujani Mrs.P.Arivubakan under Dean Dr. V. Srinivasa Rao. Students engaged with end-to-end machine learning workflows, including data processing, model tuning, and deployment strategies, culminating in innovative project presentations.

SAMOVIVAH 2024

Emerging Technology Group Discussion

This group discussion on 16 January 2024 at Block 33 involved student teams debating generative AI, edge computing, and cybersecurity, coordinated by Dr. V. Srinivasa Rao and Ms. Shyamala Kumari C. It developed technical insight, critical thinking, and communication skills.





CODEATHON '24

Transforming Ideas into Prototypes Programming Competition Held on 10 January 2024 and coordinated by Dr. P. Arivubrakan (CSE), the programming contest challenged participants with algorithmic problems under time constraints, enhancing team coding efficiency and problem-solving under pressure.



CHATTERBOX CHALLENGE

Technical Oratory Event

On 9 January 2024, students competed in fast-paced tech presentations, coordinated by Dr. R. Aruna (CSE), building skills in spontaneous reasoning and technical communication, vital for professional confidence.

WORKSHOP

Project Controlling System and Supervision

Conducted on 22 January 2024, coordinated by Dr. V. Srinivasa Rao and Dr. S. Lalitha, featuring Mrs. S. Sujadha (Accenture), this workshop focused on industry-grade project management, financial oversight, and supervision skills essential for technical leadership.

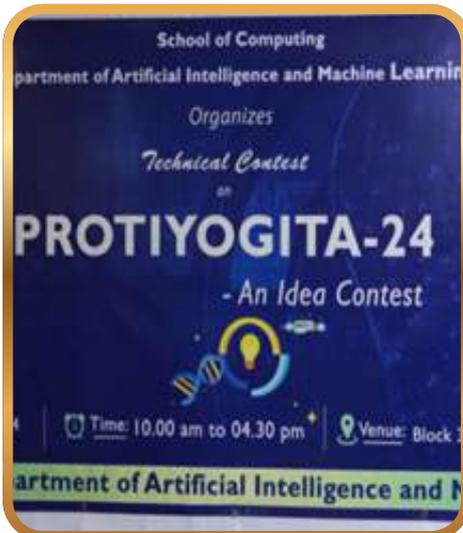
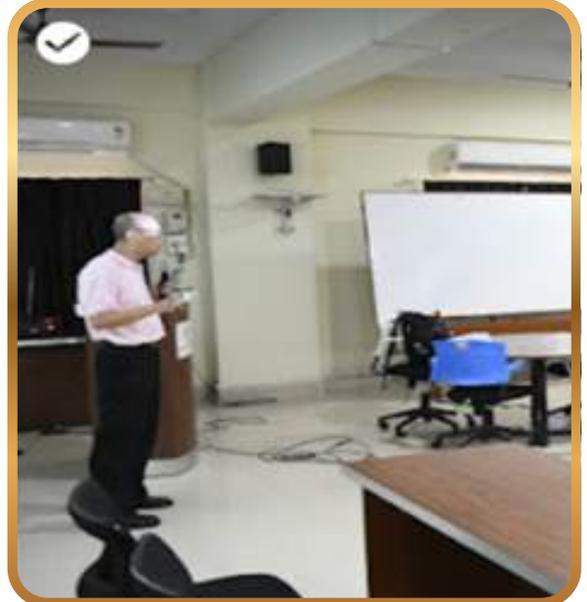




SHORT COURSE

Chip Design by International Expert

A three-day program from 22–24 January 2024 delivered by Prof. Dr. Po-Ming Lee (STUST, Taiwan) introduced students to the silicon lifecycle and emerging semiconductor technologies, coordinated by School of Computing faculty.



PROTIYOGITA-24

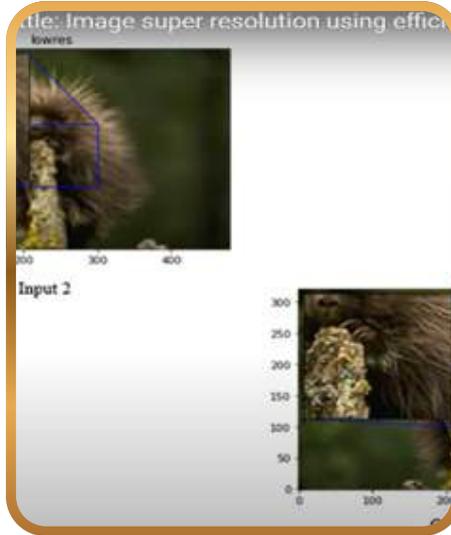
Technical Oratory Event, Technology Idea Contest

On 11 January 2024, student teams presented innovative tech solutions in a contest coordinated by Dr. V. Srinivasa Rao and Dr. K. Kishore Kumar. The event celebrated creativity and entrepreneurial thinking under the auspices of top college leadership.

INNOVATE IGNITE'24

On 11 January 2024, the Department of Computer Science and Engineering (Artificial Intelligence & Machine Learning) hosted "INNOVATE IGNITE'24," a day-long technical contest where students developed innovative tech solutions in areas like smart infrastructure, AI-driven sustainability, and data-centric healthcare. Coordinated by Dr. S. Sivajothi





STUDENT PROJECT INNOVATIONS AND RESEARCH

The Department of Computer Science and Engineering showcases diverse student capstone projects addressing real-world challenges across AI, IoT, Blockchain, Cloud Computing, Healthcare, and Smart Agriculture. Notable working prototypes include brain tumor segmentation using AI, smart delivery systems, soil classification with machine learning, air quality forecasting, smart parking management, and assistive smart glasses. Many projects are demonstrated online to inspire peers.

Several projects have earned acceptance in reputed IEEE and Scopus-indexed international conferences and journals, including works on facial recognition for criminal ID, emotion recognition in Telugu speech, retinal complication detection, Indian sign language text formation, and explainable AI in cybersecurity.

Students have also filed patents and developed product-ready models, such as AI-based thermo steam power generation, Mediplant AI for plant health, and SmartFARMPro for poultry management, exhibiting strong entrepreneurial drive aimed at commercialization.

Project documentation and source codes are archived on GitHub to encourage collaboration and ongoing innovation, highlighting the department's commitment to research impact and societal benefit.



TECHNICAL EVENTS

Projectify ML: A Project-Based Learning Hackathon Contest – 2024

Held on 12 April 2024, the hackathon provided hands-on machine learning experience and a platform for students to showcase technical and presentation skills. The event included an inaugural address by Dean Dr. V. Srinivasa Rao and closing remarks by Dr. Muralidhar, Head of CSE. Participants shared valuable feedback, followed by prize distribution and a vote of thanks by the coordinator, Dr. S. Alex David.



STUDENT SPECIAL ACHIEVEMENTS

Cognizance 2024, the annual tech fest of IIT Roorkee, served as a hub for creativity, innovation, and technical excellence. We're proud to share that our students actively participated in multiple competitions and secured several prizes, thanks to the unwavering support of our faculty.

COGNIZANCE – TECHZIBITION 2024

3rd Prize | ₹40,000

Park Smart – IoT Based Car Parking Application

Mentor: Dr. Dhilip Kumar V

Notable Student Participants:

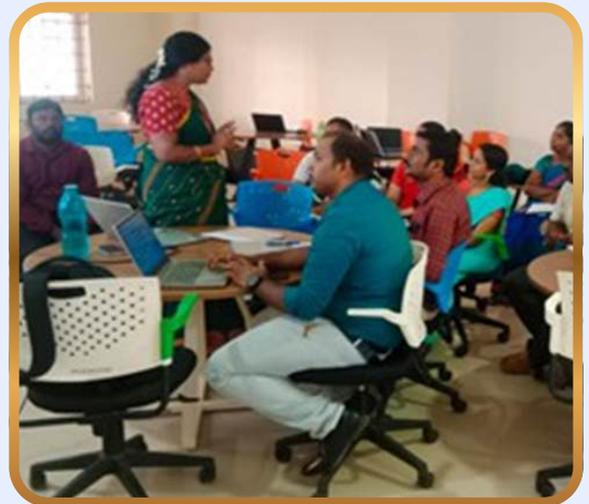
Uttkarsh Kumar, Yashraj Anand, Sushant Kumar, Moumoni Roy, Vaishnav V H, Jay Bardhan Singh, and others.





SUMMER SEMESTER COURSE-READY PROGRAMME (24-25 JUNE 2024)

Faculty members collaborated to align course content, lesson plans, question papers, and evaluations ahead of the semester. This effort ensures smooth academic delivery and eases onboarding for new faculty.



FACULTY ORIENTATION 2024

Details about the Faculty Induction Program for newly joined faculty members, covering academics, HR policy, research activities, and placement support. It was held from 10th to 14th June 2024, with around 70 SoC faculty members participating.

RESEARCH PAPER PUBLICATION

Highlights the research achievements:

- SCI Publications: 20
- Scopus Publications: 25
- International Conference Papers: 50





WORKING PROTOTYPES

S.No	Project Title	Domain	Type	Youtube Link
1	Brain Tumor Segmentation Using Attention Gate Res-U-Net	Medical Imaging, AI	Application	https://youtu.be/r-Boq50AZ0w
2	Finding shutdown bugs for cloud based Application in Cloud Spot Market	Cloud Computing, Software Testing	Application	https://youtu.be/cBQmX20W5Uk
3	Real-Time Single Image and Video Super-Resolution using Efficient Sub-Pixel Convolutional Neural Network	Finding Shutdown Bugs for Cloud-Based Applications in Cloud Spot Markets	Application	https://youtu.be/fh3cI8MuIG8
4	Soil Texture Classification Using Multi Class Support Vector Machine in Machine Learning	Agriculture, Machine Learning	Application	https://www.youtube.com/watch?v=hkeCVu4420Q



WORKING PROTOTYPES

S.NO	Project Title	Domain	Type	Youtube Link
5	Smart AI Delivery	AI, Logistics	Product	https://youtu.be/9UldOijphaO8
6	Smart AI Delivery System	Music, AI	Product	https://youtu.be/ELVJgSsi_9c
7	Prediction of Wind Power Generation by Using Regression Method	Renewable Energy, Data Science	Application	https://youtu.be/hASl7Wku_Y8
8	Elevate Discernable Over Formation Retardant in Neural Network	Deep Learning, AI	Application	https://bit.ly/3nhffcl
9	IoT Consensus Analysis	IoT, Blockchain	Application	https://youtu.be/SlA17CKyHEY



WORKING PROTOTYPES

S. No	Project Title	Domain	Type	Youtube Link
10	Air Quality index forecasting via genetic based improved extreme learning machine	Environmental Science, AI & Machine Learning	Application Based	https://youtu.be/pXBnu38gLw?si=frxjhFIZw3qiDuV
11	Ultrasonic Smart Glasses for Visually Impaired People	Assistive Technology, IoT	Product Based	https://youtu.be/adLAYSt_IkQ?si=jarXkeLDL0NjxkeV
12	Next-Parking Lot Management via Image Analysis and Object Detection	Smart Cities, Computer Vision	Application Based	https://youtu.be/BHeltlTV7bc
13	SMARTFARMPRO – Next Gen Poultry Farm Management System	Agriculture Technology, IoT	Product Based	https://youtu.be/dE6dIY48Y?si=OkH67dPuvUrrRcoek



WORKING PROTOTYPES

S. No	Project Title	Domain	Type	Youtube Link
14	Analyzing and Predicting Vitamin D Deficiency for Human Using Machine Learning	Healthcare Analytics, AI & Nutrition	Application-Based	https://youtu.be/agEhJq0farU
15	Data Driven Trip Optimization and Route Planning	Optimization	Application	https://www.youtube.com/watch?v=DQRatIXSEa8





ENHANCING THE RELEVANCE OF PROJECTS

S. No	Project Title (Short)	Domain	Type	Paper Title	DOI / ISBN
1	Facial Recognition Identification	AI / Computer Vision	Application	Real-Time Facial Recognition-Based Criminal	https://doi.org/10.1109/ICSS60660.202
2	Telugu Speech Emotion Recognition	AI / NLP	Application	Emotion Recognition in Speech: A Natural	https://doi.org/10.1109/ACROSET62108
3	Retinal Complication Detection	Deep Learning	Application	Retinal Microvascular Complications	https://doi.org/10.1109/SPACE63117.202
4	Pneumonia Detection System	Deep Learning	Application	Pneumonia Detection Using Deep Learning	https://doi.org/10.1109/RMKMATE5924
5	Sign Language to Text Conversion	Deep Learning	Application	Formation of Text from Indian Sign Language Using Convolutional Neural Networks	https://doi.org/10.1109/ICSESS55317.2022.9914214
6	Smart Street Light System	IoT	Application	Smart Street Light System Using IR Sensor Arduino	ISBN: 97893558915761
7	Parkinson's Detection via Voice	Machine Learning	Application	Parkinson's Disease Detection Using Voice Recording	ISBN: 97893558915761
8	Brain Tumor Segmentation	Deep Learning	Application	Improved Brain Tumor Segmentation	https://doi.org/10.1007/s42979-024-



ENHANCING THE RELEVANCE OF PROJECTS

S. No	Project Title (Updated)	Domain	Type	Paper Title	DOI / ISBN
9	Deep Learning-Based Sign Language Learning System	Deep Learning	Application	Interactive Sign Language Learning System using Deep Learning	https://doi.org/10.1109/ICSSAS64001.2024.10760668
10	Machine Learning-Based XSS Attack Detection System	Artificial Intelligence	Application	Employing Machine Learning to Detect Cross-Site Scripting Attacks with Understandable AI Insights	https://doi.org/10.1109/ICECT61758.2024.10739304
11	Machine Learning-Based Phishing Detection System	Machine Learning	Application	Phishing Website Detection Using Machine Learning	https://doi.org/10.1109/ICT54291.2022.9824801
12	Drone-Based Smart Farming Object Detection System	IoT	Application	Dynamic Object Detection for Smart Farming using Drone	Accepted and presented in International Conference (IRCTASE2024, Tiruchirappalli)



ENHANCING THE RELEVANCE OF PROJECTS

S. No	Project Title (Updated)	Domain	Type	Paper Title	DOI / ISBN
13	Deep Learning-Based Cloud Workload Forecasting System	Deep Learning	Application	A Deep Learning-Based Workload Forecasting Model inCloud Data Centers	Accepted for IEEE 2025 (I2COT), Jyothy Institute of Technology, Bangalore
14	Intelligent Automated Code Review System	Machine Learning	Application	Automated Code Review Assistant	Accepted and presented in Scopus Indexed International Conference
15	AI-Based Autonomous Vehicle Vision Enhancement System	Artificial Intelligence	Application	Improving the Autonomous Vehicle Vision With Synthetic Data Using Gen AI: An Approach	International Conference on Intelligent Data Communication Technologies (ICDICIT-2025), Bengaluru
16	Cybersecurity Intrusion Alert Validation System	Cyber Security	Application	Intrusion Alert Validation System	International Conference on Intelligent Computing (ICoNIC 2025), Chennai



ENHANCING THE RELEVANCE OF PROJECTS

S. No	Project Title (Updated)	Domain	Type	Paper Title	DOI / ISBN
17	AI-Based Thermal Power Generation System	Artificial Intelligence	Application	Indian Patent	Patent Application Number: 202541018440
18	Machine Learning-Based Fetal Health Monitoring System	Machine Learning	Application	Mediplant AI: Deep Learning powered web application for medicinal plant detection and chatbot assisted recommendation	International Conference on Intelligent Computing (ICoNIC 2025), Chennai
19	Machine Learning-Based Soil Fertility Analysis System	Machine Learning	Application	Analysis and Identification of Soil Fertility Using Machine Learning	International Conference on Contemporary Engineering & Technology 2025, Chennai
20	Intelligent Phishing Detection System	Machine Learning	Application	Phishing Website Detection Using Machine Learning	https://doi.org/10.1109/ICT54291.2022.9824801



DEPARTMENTAL RESEARCH EXCELLENCE

The CSE Department continues to lead in academic innovation and impactful research with a strong presence in top global venues. In the first four months of 2024 alone, faculty contributed over 100 high-quality publications, reflecting a dynamic and growing research culture.

Key highlights include pioneering work in federated learning, quantum computing, medical image processing, and autonomous systems showcased at international IEEE conferences and leading journals such as Nature Research, Springer Nature, IEEE Access, and MDPI.

Faculty breakthroughs span smart agriculture leveraging IoT and machine learning, AI-driven healthcare diagnostics, energy-efficient reinforcement learning infrastructures, and cutting-edge cybersecurity in cloud and SDN environments.

Between January and April 2024, IEEE led as the primary publisher, accounting for over 40% of the output, including 386 conference papers, 242 journal articles, and 83 book chapters. Prestigious publishers like Springer Nature, Elsevier, and Taylor & Francis underpinned this scientific contribution.

This robust scholarly output cements the department's role as a hub of research excellence, driving technology innovation and shaping a future-ready academic landscape.





PLACEMENT RECORD (2023–2024)

Our students have secured placements in a wide range of reputed companies, reflecting their skills and our institution's commitment to excellence in education and training. Below is a summary of the placements:

- Top Recruiters by Student Count:
 - DevTown – 40 students
 - Genpact – 33 students
 - Atos – 30 students
 - TCS – 30 students
 - Mu Sigma – 23 students
 - Kodnest – 22 students
 - HCL – 24 students
- Companies Offering Highest CTC:
 - CISCO – ₹17.9 LPA
 - BNY Mellon – ₹10.63 LPA
 - Infosys – ₹9.5 LPA
 - ADP India – ₹8.8 LPA
 - Daimler India – ₹7.5 LPA
- Notable Recruiters and Their CTC Ranges (LPA):
 - Zoho – 4.5 to 8.4
 - Global Quest Tech – 2.5 to 10
 - Kodnest – 2.2 to 7.0
 - Tech Mahindra – 3.25
 - Infosys – 9.5
 - Kalvium – 5
 - OpenText – 10
 - SkillForge – 4.32

This successful placement season is a testament to the hard work of our students, the support of our faculty, and the strong industry connections we continue to build.



CONSOLIDATED TABLE OF JOURNAL PUBLICATIONS (JAN-APR 2024)

Publisher / Journal	No. of Publications
Springer Nature	47
Elsevier	21
Nature Research	13
Taylor and Francis Ltd.	12
Collegium Basilea	8
Seventh Sense Research Group	7
John Wiley and Sons Inc	6
Ismail Saritas	6
European Alliance for Innovation	6
Inderscience Publishers	5
American Scientific Publishing Group	5



RESEARCH PUBLICATIONS

The Department continues to make significant contributions to global research, publishing widely across reputable journals and publishers. Below is a summary of the research publication distribution for the recent reporting period:

Top Publishers/Journals with Number of Publications:

- World Scientific: 5 publications
- MDPI (Multidisciplinary Digital Publishing Institute): 4 publications
- Iguiz Galaxy Publisher: 4 publications
- International Publications: 4 publications
- IEEE (Institute of Electrical and Electronics Engineers): 4 publications
- IFEES (International Federation of Engineering Ed. Societies): 4 publications
- Intelligent Network and Systems Society: 3 publications
- Institute of Advanced Engineering and Science: 3 publications
- AnaPub Publications: 3 publications
- Science and Information Organization: 3 publications
- Semarak Ilmu Publishing: 3 publications
- BioMed Central Ltd: 3 publications
- Wiley Hindawi Limited: 3 publications
- King Saud University: 3 publications
- Forex Publication: 2 publications
- Global NEST: 2 publications
- Frontier Scientific Publishing: 2 publications
- IOS Press BV: 2 publications
- Walter de Gruyter GmbH: 2 publications
- West University of Timisoara: 2 publications
- Learning Gate: 2 publications
- Asian Research Association: 2 publications
- Murat Yakar: 2 publications
- Academic Press: 2 publications

In addition, there were 44 publications distributed among various other publishers with one publication each.

Total Number of Research Publications: 242



WINTER INDUSTRY PROGRAM

The Department of Computer Science and Engineering successfully conducted its Winter Industry Program featuring seven cutting-edge technology modules: ML Ops, Federated Learning, DevOps, Metaverse, ARM Architecture, UI/UX Development, and IoT Application Development. Delivered by industry experts from esteemed organizations like Kyndryl (IBM spinoff), Capgemini, Matik One, Thinkworks Infotech, Orion Innovation, and IIITDM-Kancheepuram, the program offered 15 hours of rigorous training per module. Eminent resource persons included Dr. Shaamekumar Murugesan (Founder & CEO, Matik One), Ms. Merlin (Thinkworks Infotech), Mr. Y. Srinivasan (Grabas VR), and Dr. P. Rohini (IIITDM-Kancheepuram). With 377 students enrolled, the initiative enhanced technical expertise and empowered students with practical skills aligned to industry trends.

Courses and Participation:

- ML Ops: 29 students
- UI/UX Development: 59 students
- Metaverse: 59 students
- ARM Architecture: 51 students
- DevOps: 60 students
- Federated Learning: 60 students
- iOS Apps Development: 59 students
- Total Enrollment: 377 students



STUDENT ABROAD PROGRAM – WINTER 2023–2024

In parallel, the CSE Abroad Program introduced students to globally curated courses in collaboration with international universities from the UK, Taiwan, Malaysia, and China. The seven specialized modules covered areas including Computer Vision with Deep Learning, Generative AI, Cognitive Computing, Healthcare Analytics, Chip Design, MEMS Fundamentals, and Programming for Data Analytics. Renowned academicians such as Prof. Dr. Sandeep Singh Sengar (Cardiff Metropolitan University), Prof. Dr. Po-Ming Lee (Southern Taiwan University), Prof. Dr. Vladimir Brusic (University of Ningbo), Dr. Raja Kumar Murugesan (Taylor's University), and Dr. Lung-Jieh Yang (Tamkang University) facilitated immersive 15-hour intensive sessions. The program engaged 331 students, fostering cross-cultural exposure and advanced academic knowledge.

Courses and Participation:

- Computer Vision with Deep Learning: 30 students
- Chip Design: 32 students
- Healthcare Analytics: 47 students
- Programming for Data Analytics: 67 students
- Cognitive Computing and Applications: 42 students
- MEMS Fundamentals: 52 students
- Generative AI: 61 students
- Total Enrollment: 331 students



MOOC ACHIEVEMENTS

Reflecting a commitment to lifelong learning, the department recorded significant MOOC accomplishments with 1,418 student enrollments. Among these, 965 students obtained certifications, and 467 completed entire courses. Notably, 445 students achieved Elite status, 52 attained Elite+ Silver, and 1 student received Elite+ Gold recognition. This accomplishment highlights strong student dedication and the department's encouragement of independent, skill-based learning aligned with global industry standards.

PLACEMENT HIGHLIGHTS

The department celebrated outstanding placement success, registering 476 student placements in top-tier companies. Among these, 73 students secured offers with annual packages of ₹7 LPA or more, including two finalists with exemplary packages of ₹17.9 LPA placed at Cisco. Other high packages include ₹12.6 LPA at Amadeus Labs, ₹10.63 LPA at BNY Mellon, and ₹10 LPA at OpenText. Many students received lucrative offers between ₹8–₹10 LPA from reputed firms like Genpact, Comcast, and TCS.

STUDENTS PURSUING HIGHER EDUCATION

Over 250 students pursued postgraduate studies this year, reflecting strong academic excellence. Top achievers include Thotakura Swathi Prathyusha (9.53), Vengala Geetha Charan (9.33), Veeramachaneni Mounika (9.25), Sreyaaw Tallapragada (9.25), and Maddineni Lakshmi Sindhu (9.16), showcasing outstanding performance and faculty-guided success.



RESEARCH PAPER PUBLICATION

Dr. N. Malarvizhi – Professor

A Deep Auto-Optimized Collaborative Learning (DACL) model for disease prognosis using AI-IoMT systems

May 2024 – Scientific Reports – Q2

Dr. S. Sridevi – Professor

MLBFN Optimized with Archimedes Optimization Algorithm for SRCE

June 2024 – Expert System with Applications – Q1

Mr. M. Thiyagarajan – Assistant Professor

Unified Framework for Neurological Disease Detection and Gait Classification Using Deep Graph Learning

May 2024 – International Journal of Intelligent Engineering and Systems – Q2

Dr. R. Srinivasan – Professor

Developing a novel energy efficient routing protocol in WSN using adaptive remora optimization algorithm

June 2024 – Expert System with Applications – Q1

Dr. S. Saranraj – Assistant Professor (SG)

Designing a deep hybridized residual and SE model for MRI image-based brain tumor prediction

April 2024 – Journal of Clinical Ultrasound – SCI

Improved Brain Tumor Segmentation Using UNet-LSTM Architecture

June 2024 – SN Computer Science – Q2

Dr. M. Guru Vimal Kumar – Assistant Professor

Future-Proofing Entertainment: Navigating Market Changes in Television and Internet video Services through Predictive Modeling

April 2024 – Entertainment Computing – Q2



RESEARCH PAPER PUBLICATION

Dr. L. Sharmila – Professor

Authentication Based Remote System for the Interaction of Reservation Scheme of Cloud with IoT Networks

April 2024 – Wireless Personal Communications – Q2

Computer Modelling Using Visualization of Measuring Method

April 2024 – Wireless Personal Communications – Q2

Dr. C. Kotteswaran – Associate Professor

Diagnostic analysis on different carcinoma

April 2024 – Optical and Quantum Electronics – Q2

Dr. P. S. Ramesh – Associate Professor

Using social networking evidence to examine the impact of environmental factors on social Followings: An innovative Machine learning method

April 2024 – Entertainment Computing – Q2

Dr. N. Gomathi – Professor

Effective IoT Based Analysis of Photoplethysmography Waveforms for Investigating Arterial Stiffness and Pulse Rate Variability

June 2024 – SN Computer Science – Q2

Unveiling the Energy-Based Validation and Verification (EVV) Method for Perceiving and Averting Rank Inconsistency Attacks (RIA) for Guarding IoT Routing, June 2024 – SN Computer Science – Q2

AquaNet: A Quality Monitoring System for Rural Potable Water Distribution Scheme Using Smart Things

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