



Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
DEEMED TO BE
University
(Estd. u/s 3 of UGC Act, 1956)
Avadi, Chennai



SCHOOL OF COMPUTING
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

2025 Jul - 2025 Sep / Volume 11 / Issue 1



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 (PEOs)

- 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 with consideration for sustainable development.
- PO3: Design / Development of Solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required.
- PO4: Conduct Investigations of Complex Problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions.
- PO5: Engineering Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems.
- PO6: The Engineer and The World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment.
- PO7: Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO8: Individual and Team Work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO9: 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.
- PO10: 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.
- PO11: Life-Long Learning:** Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking 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 grown into a vibrant academic community with a current strength of 4,205 students (including higher semester students). Over the years, the department has continuously evolved to meet the dynamic demands of the computing industry and academic research.

The department is strengthened by a committed faculty team of 340 members, comprising 59 Professors, 77 Associate Professors, 204 Assistant Professors. Their academic excellence, research expertise, and industry exposure ensure high standards in teaching, innovation, and scholarly contributions.

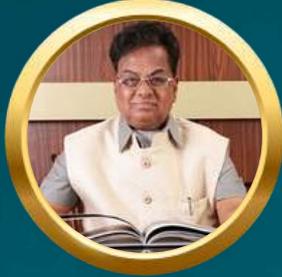
Equipped with state-of-the-art laboratories and modern infrastructure, Students actively participate in professional bodies such as CSI, IEEE-CS, IEEE-PCS, IEEE-WIE, ACM, and ISTE, enhancing their professional exposure and global outlook.

Our graduates have consistently secured placements in leading multinational corporations including Amazon, Cisco, Accenture, Capgemini, Virtusa, Wipro, ZOHO, KAAR Technologies, TCS, Microsoft, Infosys, Cognizant, HP, and Verizon, reflecting the department's strong industry connect and commitment to academic excellence.

For more information, 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. Dr. Rajat Gupta
Vice-Chancellor



DEPARTMENT LEADERSHIPS



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Dean - School of Computing



Prof. Dr. V. Dhilipkumar
M.E, Ph.D
Professor
Associate Dean - School of Computing



Prof. Dr. R. Parthasarathy
M.E, Ph.D
Professor
Assistant Dean - School of Computing



Dr. M. Kavitha
M.E, Ph.D
Professor
HoD - Computer Science and Engineering



Dr. T. Kujani
M.E, Ph.D
Associate Professor
Asst. HoD - Computer Science and Engineering

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Associate Dean - SoC

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Associate Dean - SoC

Prof. Dr. M. Kavitha
Professor & Head - CSE

Dr. T. Kujani
Asso.Prof & Asst Head-CSE

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VTU29796



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VTU28408



SANTOSHINI A
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NEWSLETTER

PROJECT FUNDING ACHIEVEMENT



Project Funding Achievement

A proposal titled “Modular Solar Refrigeration System for Vaccines in Rural Health Facilities” has been accepted and funded with a grant of \$2,100 (approx. ₹1,83,000). This impactful project is funded by the Industry Applications Society (IAS), Engineering Projects in Community Service (EPICS), IEEE, highlighting its significance in addressing real-world community health challenges through innovative engineering solutions.

Project Details Principal Investigator:

Dr. D. Uma Nandhini, Professor, Department of CSE
Shahirun (VTU22147)
Azfer Mirza (VTU21504)
Altaf Sarwar (VTU23782)



IDEATHON



CI4Good: Ideathon for Intelligent Solutions Advancing Global Sustainability

The School of Computing, in association with the Department of Computer Science and Engineering, organized “CI4Good: Ideathon for Intelligent Solutions Advancing Global Sustainability” on 12th September 2025 (Friday) from 9:30 AM to 4:00 PM at the Smart Classroom.

The ideathon encouraged students to propose innovative and technology-driven solutions aligned with global sustainability goals. Participants presented creative ideas addressing real-world challenges through intelligent systems and responsible computing practices.

Winners were awarded cash prizes to recognize their excellence and innovation:

- 1st Prize – ₹2000
- 2nd Prize – ₹1000
- 3rd Prize – ₹500



NEWSLETTER

STUDENT ACHIEVEMENT



UiPath Student Development Summit

The **UiPath Student Development Summit**, held on 08 August 2025 at **St. Joseph's Group of Institutions, Chennai**, brought together over 200 students from across India. Organized by the UiPath Community & RPA Society,

The summit featured an inspiring keynote by **Venkatesh K (Venki)**, who spoke on adaptability, career growth, and the Hierarchy of Competence. Sessions highlighted technology evolution insights, drawing lessons from Windows' resilience and Apple's branding strategies. A hands-on automation workshop enabled students to build bots addressing lost-and-found management in public spaces, while an innovation showcase presented UiPath-powered student projects for campus and community applications.

A storytelling masterclass further enhanced participants' communication and personal branding skills.



STUDENT ACHIEVEMENT

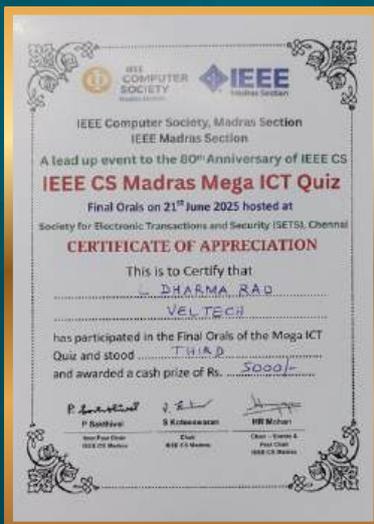


Achievement in IEEE CS Mega ICT Quiz

L. Dharma Rao

From *Vel Tech* represented the institution in the Final Orals of the IEEE CS Madras Mega ICT Quiz, organized as part of the celebrations leading to the 80th Anniversary of the IEEE Computer Society. The event was held on **21st June 2025** at the Society for Electronic Transactions and Security (SETS), Chennai. Demonstrating exceptional knowledge and analytical skills, he secured Third Place and was awarded a *cash prize of ₹5,000* for his outstanding performance.

The event was organized by *Mr. P. Sakthivel (Immediate Past Chair), Mr. S. Koteeswaran (Chair), and Mr. H. R. Mohan (Chair – Events & Past Chair)*, IEEE CS Madras, reflecting a prestigious platform for technical excellence.





NEWSLETTER

STUDENT DEVELOPMENT PROGRAM



“Cisco Packet Tracer: Enabling Network Design, Simulation, and Troubleshooting”

A six-day Student Development Program (SDP) on *Cisco Packet Tracer* was conducted from 14th to 19th July 2025 at Bay 6 (4207), Vel Tech Campus, from 9:00 AM onwards. The programme aimed to provide students with hands-on training in network design, configuration, simulation, and troubleshooting using Cisco Packet Tracer.

The SDP enabled participants to develop both foundational and advanced networking skills through practical, simulation-based learning. The sessions were handled by Dr. A. Udayakumar, Dr. M. Saravana Karthikeyan, Dr. T. Kamaleshwar, and Dr. N. Gomathi, faculty members of the Department of CSE.

The programme was conducted under the guidance of the university leadership, convened by Prof. Dr. S. P. Chokkalingam (Dean - School of Computing) and Prof. Dr. V. Dhilipkumar, and supported by Prof. Dr. N. Vijayaraj (Head, CSE) and Dr. T. Kujani (Assistant HOD, CSE).



STUDENT DEVELOPMENT PROGRAM



“Course Craft for Empowering Educators: SS25–26”



The **School of Computing** conducted a **six-day Faculty Development Programme** from 10th July to 16th July 2025 at the Smart Classroom and Project Workspace. The FDP focused on strengthening course design, delivery strategies, and outcome-based education (OBE) practices.

The first three days covered core sessions on advanced pedagogical methods, learner engagement, and technology integration in teaching.

The final three days featured a hands-on workshop titled “Make Your Course Ready,” enabling faculty to develop and refine course materials aligned with institutional and OBE guidelines.

The programme aimed to enhance instructional design skills, promote learner-centered methodologies, foster academic innovation, and ensure complete course documentation ready for implementation.



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ONE DAY STUDENT WORKSHOP

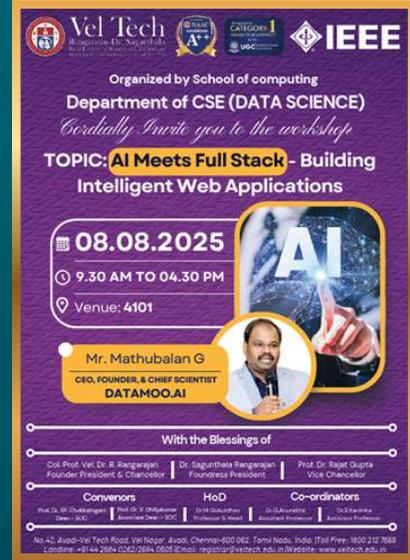


AI Meets Full Stack Building Intelligent Web Applications

The **School of Computing, Department of CSE (Data Science)**, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop on **08 August 2025 from 9:30 AM to 4:30 PM at Room No. 4101.**

The session was delivered by **Mr. Mathubalan G**, CEO, Founder & Chief Scientist – DATAMOO.AI. The workshop focused on integrating Artificial Intelligence with full stack development to build intelligent and dynamic web applications.

Through practical demonstrations and industry use cases, participants explored AI-driven backend services, responsive front-end integration, and real-time data processing. The event provided valuable exposure to modern tools and frameworks used in developing AI-powered web systems.



ONE DAY STUDENT WORKSHOP

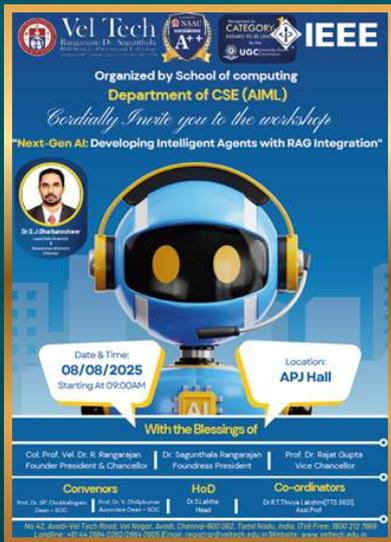


Next-Gen AI: Developing Intelligent Agents with RAG Integration

The **School of Computing, Department of CSE (AIML)**, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop on **08 August 2025, starting at 9:00 AM, at APJ Hall.**

The session was delivered by **Dr. S. J. Dharbaneshwer**, Lead Data Scientist and Researcher, Walmart, Chennai. The workshop explored advancements in Retrieval-Augmented Generation (RAG) frameworks and their application in developing intelligent AI agents. **Participants gained insights into RAG-based system architecture, integrating Large Language Models (LLMs) with dynamic knowledge retrieval.**

The session emphasized designing context-aware, adaptive, and responsive AI agents using modern tools and industry-relevant techniques.





NEWSLETTER

ONE DAY WORKSHOP



Building Defenders through Vulnerability Management

The School of Computing, Department of Computer Science and Engineering, **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology**, organized a workshop titled **“CyberSentinel: Building Defenders through Vulnerability Management”** on 12th September 2025 (Friday) from 09:30 AM to 04:00 PM at Project Workspace – 1.

The session was delivered by **Mrs. Iniya J**, Senior Cyber Security Analyst, eMudhra Limited (First Abu Dhabi Bank), Bengaluru.

The workshop provided participants with foundational knowledge of cyber defense strategies and security frameworks, along with hands-on training in vulnerability assessment and management.

It also featured demonstrations on threat detection and mitigation techniques, practical insights into data protection and secure system design, and an engaging interactive Q&A session with the expert.

ONE DAY STUDENT WORKSHOP



Exploring Perceived Safety in Cyberspace: A Psychological Approach

Exploring Perceived Safety in Cyberspace: A Psychological Approach
(Aligned with SDG 9 – Industry, Innovation, and Infrastructure)

The **School of Computing, Department of CSE**, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop on 08 August 2025 (Friday), starting at 10:00 AM, at Project Workspace 1.

The session was delivered by **Mr. Senthilkumar V. P.**, Founder, V S Innovations – Consulting & Training Services, Madurai. The workshop examined the psychological aspects of cybersecurity, focusing on how individuals perceive safety in digital environments. Key discussions covered behavioral insights, trust factors, and technological influences in cyberspace. Participants also learned practical strategies to bridge the gap between technology and user perception, promoting safer and more responsible digital practices.



NEWSLETTER

ONE DAY STUDENT WORKSHOP



“Lean Startup & Minimum Viable Product/Business”

The Department of Computer Science & Engineering, **School of Computing**, in association with the Institution's Innovation Council (IIC), Vel Tech, organized a one-day student workshop on “**Lean Startup & Minimum Viable Product/Business**” on 24th July 2025 (Thursday) from 11:00 AM to 12:30 PM at Block 29 – Incubation Space (Room No. 29206).

The session was delivered by **Dr. Karthikayan S.**, Product Manager – Smartan Fit Tech and Former Project Officer – IIT Madras. The workshop introduced students to the principles of the Lean Startup methodology and guided them in developing a Minimum Viable Product (MVP) for innovative business ideas.

It emphasized entrepreneurial thinking, rapid prototyping, and market validation strategies, equipping participants with practical insights to transform ideas into viable ventures.



ONE DAY WORKSHOP



IEEE YESIST I2 2025 – Grand Finale Achievement



Students from Vel Tech University received international recognition at the IEEE YESIST I2 2025 Grand Finale, held on 23rd–24th August 2025 at Universiti Kebangsaan Malaysia (UKM), Malaysia.

Likhitha Goraju and Keerthi Reddy Thummalapally, under the guidance of their mentors, presented the project “**Naari Shakti: AI Empowering Women Through Technology.**” The project was selected as a FINALIST in the Special Track, highlighting its innovative approach and significant societal impact. This achievement showcases the students' dedication to leveraging Artificial Intelligence for women empowerment and their capability to compete successfully on a global stage.



NEWSLETTER

ONE DAY STUDENT WORKSHOP



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ONE DAY WORKSHOP



Mastering the Art of Scholarly Writing: From Draft to Publication

A workshop on **“Mastering the Art of Scholarly Writing: From Draft to Publication”** was held on 23rd August 2025 at the Smart Classroom. The session was conducted by **Dr. A. Prasanth**, Associate Professor, Department of CSE, VTU, Chennai.

The workshop aimed to enhance the academic and research writing skills of researchers, faculty, and students. Key objectives included: structuring research papers and articles effectively, understanding the process of drafting, revising, and submitting manuscripts, improving clarity and coherence in scholarly writing, and learning best practices for publishing in reputed journals and conferences. Participants gained practical guidance to elevate the quality and impact of their research outputs.





NEWSLETTER

ONE DAY WORKSHOP



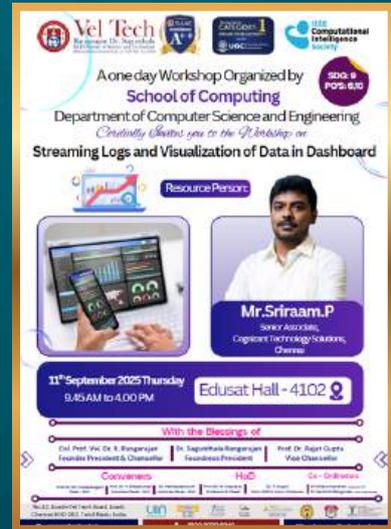
Streaming Logs and Visualization of Data in Dashboard

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop on “Streaming Logs and Visualization of Data in Dashboard” on 11th September 2025 (Thursday) at Edusat Hall – 4102.

The session was delivered by **Mr. Sriram P.**, Senior Associate, Cognizant Technology Solutions, Chennai. The workshop offered participants practical exposure to real-time data streaming and visualization techniques.

It covered tools and methodologies for capturing system logs, processing live data streams, and effectively presenting insights through interactive dashboards.

The session enhanced participants’ understanding of monitoring, analytics, and data-driven decision-making in modern software environments.



ONE DAY WORKSHOP



Building Career-Ready Skills for a Successful Future

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a seminar on “Building Career-Ready Skills for a Successful Future” on 10th September 2025 at Learning Space 2.

The session was delivered by **Mr. Narasimha Rao B.**, Soft Skill Trainer and Leadership Training Consultant, Fincare Small Finance Bank. The seminar focused on preparing students to excel in a competitive professional landscape by emphasizing the importance of soft skills, effective communication, leadership qualities, and adaptability. Through practical insights and real-world examples, the speaker highlighted strategies to enhance employability and foster long-term career growth.



NEWSLETTER

Awareness Programme



Gender Sensitization – Awareness Programme

Gender Sensitization Awareness Programme was organized by the School of Computing, in association with the Internal Complaints Committee and the Department of Computer Science and Engineering, at *Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology*. The programme was held on *19th September 2025 (Friday)* at the *Velmurugan Auditorium* from *10:00 AM to 12:30 PM*.

The session was delivered by **Mr. Rajat Srivastava**, *Policy Advisor, Government of India*, affiliated with the *National Centre for Food Governance, Department of Administrative Reforms & Public Grievances*. The programme focused on promoting awareness of gender sensitization, inclusivity, and workplace equality, while providing insights into relevant government policies, legal frameworks, and ethical professional conduct. An interactive Q&A session further encouraged student engagement and awareness.



Codeathon 25



Path to Programming Excellence

The School of Computing, Department of Computer Science and Engineering, *Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology*, organized a One-Day Technical Contest titled **“Codeathon 25 – Path to Programming Excellence”** on *18th September 2025 (Thursday)* at *Project Workspace – 1*, from *9:00 AM to 4:00 PM*.

The event was designed to strengthen students’ problem-solving and programming skills through real-time coding challenges aligned with Sustainable Development Goals (SDGs 3, 4, 6, 7, and 10) and Programme Outcomes (PO 3 and 4). Participants engaged in competitive programming tasks using C, C++, Python, and Java, focusing on logical reasoning, debugging, optimized code development, and algorithmic innovation. The contest also encouraged teamwork, technical excellence, and practical application of programming concepts in addressing real-world challenges.



NEWSLETTER

ONE DAY WORKSHOP



Smart Systems with Raspberry Pi: A Beginner's Guide to IoT

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop on 29th August 2025 (Friday) at Dr. APJ Hall.

The session was conducted by **Dr. C. Sankar Ram**, Assistant Professor (Sr. Grade), Department of CSE, **University College of Engineering BIT Campus**, Anna University, Tiruchirappalli. The workshop introduced participants to the fundamentals of the Internet of Things (IoT) using Raspberry Pi, providing a beginner-friendly approach to designing smart systems. Attendees gained hands-on experience and insights into practical IoT applications in real-world scenarios.



ONE DAY WORKSHOP



AI Compute Services: Fostering Infrastructure and Platform Facilities

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a webinar on 26th August 2025 from 1:30 PM to 3:30 PM at Dr. A. P. J. Abdul Kalam Hall, Block 4 – 4103.

The session was delivered by **Dr. Ferdin Joe John Joseph**, Senior Training Advisor, Alibaba Cloud, Singapore. It focused on AI Compute Services and their role in building scalable infrastructure and platform facilities for research, education, and industry. The webinar covered cloud-based AI integration, efficient data management, accelerated model training, and real-time deployment of intelligent systems. Through case studies and live demonstrations, participants learned how cloud platforms enhance collaboration, accessibility, and sustainability in AI development, supporting innovation and Industry 4.0 initiatives.



NEWSLETTER

ONE DAY WORKSHOP



Modern Image Analysis through Artificial Intelligence of Things (AIoT)

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop on **“Modern Image Analysis through Artificial Intelligence of Things (AIoT)”** on 02 September 2025 (Tuesday), from 9:00 AM to 4:00 PM, at Edusat Hall.

The session was conducted by **Mr. Bezaleel**, Enlight Wisdom, Tiruvottiyur, Chennai. The one-day workshop introduced participants to AIoT-driven techniques for modern image analysis, demonstrating the integration of artificial intelligence with IoT devices to enable smart, automated decision-making. Participants gained practical insights into applying AIoT technologies for real-world applications in intelligent monitoring, automation, and data-driven image analytics.



ONE DAY WORKSHOP



Faculty Achievement – Technical Talk

Dr. A. Prasanth, Associate Professor, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, delivered a technical talk on **“Advanced Machine Learning for Sustainable Development: Innovations Driving SDG Solutions”** on 22nd July 2025 at Karpagam University, Coimbatore.

The session focused on the application of advanced machine learning techniques to tackle real-world challenges and accelerate progress toward the United Nations Sustainable Development Goals (SDGs). Key discussions highlighted AI/ML innovations that drive sustainable solutions across sectors including healthcare, agriculture, environmental management, and smart city development, emphasizing the transformative impact of technology for societal benefit.



NEWSLETTER

BLIND CODING CHALLENGE



The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a **Blind Coding Challenge on 10th September 2025 (Wednesday) from 9:00 AM to 4:00 PM at SFL – 2 (Room No. 33224).**

The contest was designed to test participants' coding and problem-solving abilities without relying on an IDE display, thereby strengthening logical thinking, syntax accuracy, and debugging skills. It provided a competitive programming platform that enhanced speed, precision, and confidence in writing code under constraints. The event also promoted teamwork, innovation, and hands-on exposure to real-world coding challenges.

Winners were awarded cash prizes:

- 1st Prize – ₹2000
- 2nd Prize – ₹1000
- 3rd Prize – ₹500



ONE DAY WORKSHOP



Exploration of Generative AI – Crafting with Runway ML on the Cloud

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop titled “Exploration of Generative AI – Crafting with Runway ML on the Cloud” on 12th September 2025 (Friday) at Bay 9, from 9:00 AM to 4:00 PM.

The session was conducted by **Mr. Suman Mani, Senior Associate Director – Creative Services, OmniComMediaGroup India Pvt Ltd, Bangalore.** The workshop provided participants with hands-on exposure to generative AI concepts and practical training in using Runway ML on the Cloud. Attendees also gained valuable industry insights into AI-driven creative workflows, enhancing their understanding of how generative technologies are transforming digital content creation and innovation.



NEWSLETTER

ONE DAY WORKSHOP



Fueling Creativity with Copilot: Beyond the Code

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a workshop titled “Fueling Creativity with Copilot: Beyond the Code” on 28th August 2025, starting at 09:00 AM, at Block 4, Room 4101.

The session was delivered by **Mrs. Sujadha S.**, Entity Controller, Team Lead – FP&A, Accenture, Chennai. The workshop highlighted the transformative impact of AI-powered tools such as GitHub Copilot in enhancing developers’ creativity, productivity, and problem-solving capabilities. Participants gained insights into leveraging AI-assisted coding to streamline workflows, improve efficiency, and foster innovative approaches in software development.



ONE DAY SEMINAR



Seminar on Women Empowerment



The School of Computing, in association with the Internal Complaints Committee and the Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a Seminar on Women Empowerment on 11th September 2025 (Thursday) at Learning Space 2.

The session was delivered by **Ms. Rajalakshmi Srinivasan**, Director – Product Management, Zoho, a global speaker and advocate for youth motivation and women empowerment. Centered on the theme “Yes girl, you can,” the seminar inspired students by addressing the challenges and opportunities in women empowerment. She shared powerful insights on leadership, personal growth, and parenting, encouraging young minds to pursue their aspirations with confidence and resilience.



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PLACEMENT RECORD

Month	Placements	Key Companies & LPA Range
July	21	Hexaware (4.0 LPA)
Aug	1	Tata Electronics (10.0 LPA)
Sep	7	Innovalley Works (8.0 LPA) Merit Data (5.5 LPA) Musigma (5.0 LPA)
Total	29	Total CTC: ~1.5Cr CSE dominant (95%+ hires)





NEWSLETTER

FACULTY ACHIEVEMENTS



NPTEL DISCIPLINE STAR CERTIFICATE OF APPRECIATION

Kujani T

From the Department of Computer Science and Engineering is recognized as

NPTEL Discipline Star for the January–April 2025 session. This honor acknowledges the successful completion of more than 50 weeks of learning in NPTEL courses within the same discipline, with a final score above 55 in each subject.

The recognition is issued under the NPTEL–SWAYAM initiative by Prof. Andrew Thangaraj, Chair, Centre for Outreach and Digital Education, IIT Madras, Prof. Vignesh Muthuvijayan, NPTEL Coordinator, IIT Madras.



FACULTY ACHIEVEMENTS



NPTEL DISCIPLINE STAR CERTIFICATE OF APPRECIATION

Siva Rama Lingham N

From the Department of Computer Science and Engineering has been formally recognized as an **NPTEL Discipline Star for the January–April 2025 session**. The recognition signifies the successful completion of more than 50 weeks of NPTEL courses within the same discipline, with a minimum final score exceeding 55 in each subject.

This achievement reflects strong subject knowledge, perseverance, and commitment to professional development.

The certificate is issued under the NPTEL–SWAYAM initiative by IIT Madras, endorsed by Prof. Andrew Thangaraj, Chair of the Centre for Outreach and Digital Education, Prof. Vignesh Muthuvijayan, NPTEL Coordinator.



NEWSLETTER

FACULTY ACHIEVEMENTS



Dr. T. Kujani,

Associate Professor in the Department of Computer Science and Engineering at *Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology*, participated in the **7th International Conference on Ocean Engineering (ICOE 2025)** held at **IIT Madras, Chennai**, from *September 14 to 18, 2025*.

The conference, organized as part of the United Nations Decade of Ocean Science for Sustainable Development (2021–2030), convened leading researchers, academicians, and industry experts worldwide to deliberate on innovations in Ocean Engineering and sustainable marine technologies.

Her participation in this prestigious international forum reflects her dedication to academic excellence, interdisciplinary collaboration, and continuous professional advancement.



FACULTY ACHIEVEMENTS



Dr. Karthick Elangovan,

Assistant Professor at *Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology*, was awarded a Certificate of Appreciation in recognition of his contribution as a Resource Person in the **Faculty Development Program** titled **“Automation Tools for AI”** conducted from **07th July to 12th July 2025**.

The FDP was organized by the Department of Artificial Intelligence & Data Science and the Department of Computer Science and Engineering (AI & ML) at **Sri Sairam Institute of Technology, Chennai**, an institution accredited by NBA and NAAC 'A++', ISO 21001:2018 (EOMS) certified, BIS certified, and NIRF ranked. His contribution reflects his expertise and commitment to advancing knowledge in AI and automation technologies.



NEWSLETTER

FACULTY ACHIEVEMENTS



Dr. Sumithra M.,

Dr. Sumithra M., Associate Professor from the Department of Computer Science and Engineering at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, actively participated as a Resource Person in the Hands-on Training – Code Tour organized by **Jeppiaar University, Jeppiaar FDECITY** – School of Engineering and Technology, held on 06th June 2025 at Chennai. The session reflected her expertise in practical, application-oriented learning and faculty development initiatives. In addition, she has successfully completed the prestigious **STEM Educator** Program conducted by **LMES Chitti on 21st March 2025**, earning a Certificate of Completion. The program recognized her proficiency in innovative teaching strategies, digital literacy, technology integration, gamification, lesson planning, and effective STEM pedagogy. Her continued commitment to modern, student-centric instructional practices significantly supports academic excellence and innovation in engineering education.



FACULTY ACHIEVEMENTS



Dr. Hafizur Rahman,



From **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai**, has actively participated in and successfully completed the 5-Day Online Faculty Development Programme (FDP) on the theme **“Inculcating Universal Human Values in Technical Education”**, organized by the All-India Council for Technical Education (AICTE). The programme was conducted from **21st April to 25th April 2025** and focused on strengthening ethical awareness, value-based education, and the integration of universal human values within technical and engineering curricula, thereby enhancing holistic teaching practices and responsible professional development.



NEWSLETTER

FACULTY ACHIEVEMENTS



Title of the Talk:

“Artificial Intelligence and Machine Learning for Healthcare and IoT Applications”

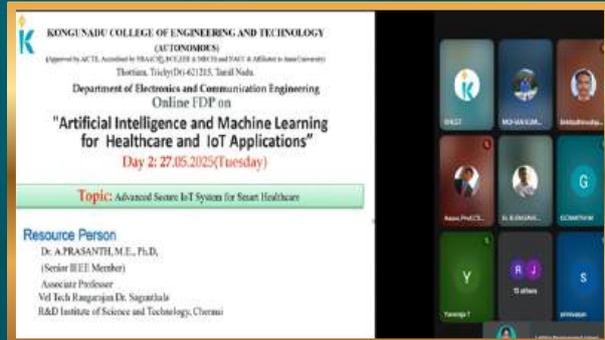
Role: Resource Person

Organized by: **Kongunadu College of Engineering and Technology, Trichy**

Date: **27th May 2025**

Overview:

Dr. A. Prasanth delivered a compelling session on the integration of Artificial Intelligence (AI) and Machine Learning (ML) in the domains of healthcare and Internet of Things (IoT). The session highlighted the transformative potential of intelligent systems in real-time diagnostics, predictive analytics, and smart healthcare infrastructure. His insights provided participants with practical approaches to implementing AI/ML techniques in evolving tech landscapes.



FACULTY ACHIEVEMENTS



The faculty members of the Department of Computer Science and Engineering have successfully completed the Wipro TalentNext – Digital Skills Readiness Program and are recognized as Certified Faculty Mentors in **Java Full Stack – Project-Based Learning (PBL)**.

The certification, awarded on **09th June 2025** by **Mr. Thirunavukkarasu Palaniappan, Head – TalentNext, Wipro Limited**, acknowledges Dr. Vidhyasagar B.S.

Dr. X. Arogya Presskila

Dr. Yalanati Ayyappa

This achievement highlights their initiative in incorporating industry-aligned digital skills into academic instruction and strengthening practical, project-based learning outcomes for students.



NEWSLETTER

FACULTY ACHIEVEMENTS



Faculty members from the **Department of Computer Science and Engineering** have successfully completed the Wipro TalentNext – Advanced Technology Certified Faculty Program under the **Digital Skills Readiness Program, specializing in the Cloud Computing track**, conducted from **February 2025 to April 2025**. The Certificate of Excellence, presented by **Mr. Thirunavukkarasu Palaniappan, Head – TalentNext, Wipro Limited**, was awarded to Mr. Siva Rama Lingham N, Dr. Yalanati Ayyappa, and Dr. R. Parthasarathy.

For the successful completion of the certification project. This achievement reflects their strong commitment to integrating advanced, industry-relevant technologies into academic teaching and fostering future-ready skills among students.



FACULTY ACHIEVEMENTS



Wipro TalentNext Certified Faculty Program



The Department of Computer Science and Engineering proudly recognizes

**Dr. N. Vijayaraj ,
Dr. S. Prema.**

For successfully completing the **Wipro TalentNext – Advanced Java Full Stack (Project-Based Learning)** certification. The program was conducted from **16th June 2025 to 27th June 2025** and certified by

Mr. Thirunavukkarasu Palaniappan, Head – TalentNext, Wipro Limited.

By successfully clearing the certification assessment, they have demonstrated strong proficiency in industry-aligned technologies and project-based learning methodologies. This achievement reflects their commitment to integrating advanced digital competencies into academic instruction and enhancing practical, industry-relevant learning experiences for students.



NEWSLETTER

FACULTY ACHIEVEMENTS



We are delighted to announce that **Dr. B. S. Vidhyasagar** has been selected to receive the **IEEE R10 Humanitarian Technology Activities (HTA) Resource Support Funding of \$250** for his proposal submitted under Reference ID: 3946. This prestigious recognition from IEEE Region 10 HTA underscores his commendable efforts in advancing technology-driven humanitarian initiatives.

This achievement reflects his dedication to leveraging innovative solutions for societal impact and meaningful community development.

Congratulations to **Dr. B. S. Vidhyasagar** on this notable accomplishment, which stands as a proud testament to his commitment to academic excellence and humanitarian contribution.

IEEE Region 10 HTA Resource Support Funding 2025			
CONGRATULATIONS			
Division	Section	Name of the Applicant	Funding
North Asia	Xian Section	Wen Zhang	250
	Tokyo Section	Mayumi Suzuki	250
Pacific	Victoria Section	Bhagwan Das and Arslan Kiyani	250
South Asia	Srilanka Section	Tharaka Munasinghe	250
	Faisalabad Sub section Lahore Section	Sadia Riaz	250
	Malaysia	KHAIRUL ZAHREEN MOHD ARIF	250
India	Kolkata Section	Prof. Nabanita Das	250
	Kerala Section	Sreejith V	250
	Madras Section	Dr. Vidhyasagar BS	250
	Bombay Section	Dr. Kantipudi MVV Prasad	250
	Delhi Section	Dr. Meenu Khurana Dr. Sandhya Sharma	125 125
	Gujarat Section	Riddhi Kapadia	250
HTA Track at AISYWL 2025	India Council	Dr. Anuradha Tomar	500

FACULTY ACHIEVEMENTS



FDP Participation

Faculty members from *Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology* successfully participated in a **Faculty Development Program (FDP) on “Big Data Analytics”**, conducted by the Electronics & ICT Academy, C-DAC Hyderabad, from **23rd to 27th June 2025**.

The programme, supported by the Ministry of Electronics & Information Technology, Government of India, focused on strengthening technical expertise and promoting academic excellence in big data technologies and advanced analytics.

The participating faculty members

- Dr. R. Aruna,
- Dr. T. Thilagam,
- Dr. S. Raju,
- Dr. M. Uvaneshwari,
- Mr. Siva Rama Lingham N,
- and Dr. M. Manikandan

Demonstrated their commitment to continuous professional development and the integration of emerging technologies into teaching and research.



NEWSLETTER

FACULTY ACHIEVEMENTS



FACULTY PARTICIPATION – NPTEL TECHNICAL WORKSHOP

Faculty members from the *Department of Computer Science and Engineering*, at **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology**, namely **Dr. T. Kujani** and **Mr. Siva Rama Lingham N.**, participated in the prestigious NPTEL Technical Workshop for NPTEL Stars held on **6th July 2025** at the *SAC Auditorium, IIT Madras*.

Organized by NPTEL, IIT Madras, under the SWAYAM Free Online Education Initiative, the workshop emphasized technical advancements, effective online pedagogy practices, and collaborative engagement among top-performing NPTEL learners and mentors nationwide. The participation was certified by Prof. Andrew Thangaraj, Coordinator, NPTEL, IIT Madras, reflecting their commitment to continuous academic and professional excellence.



FACULTY ACHIEVEMENTS



WIPRO TALENTNEXT CERTIFIED FACULTY PROGRAM

Dr. M. Sumithra,

From the *Department of Computer Science and Engineering*, **Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology**, successfully completed the *Wipro TalentNext – Advanced Java Full Stack (Project-Based Learning)* certification program conducted from **16th June 2025 to 27th June 2025**.

The certification, awarded by **Mr. Thirunavukkarasu Palaniappan**, *Head – TalentNext, Wipro Limited*, recognizes her successful completion of the assessment and proficiency in industry-aligned technologies.

This achievement reflects her commitment to integrating advanced digital competencies into academic instruction and enhancing practical, project-based learning experiences for student





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FACULTY ACHIEVEMENTS



WIPO TALENTNEXT

Faculty members from Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology participated in the **Wipro TalentNext – Embedded Systems In-Person Training** conducted from 07th July to 23rd July 2025 at Wipro CDC-5, Elcot SEZ, Sholinganallur, Chennai, organized by the Wipro TalentNext Centre of Excellence.

The participants included Dr. P. S. Ramesh (Professor, CSE – TTS3321), Mr. A. Arul Prasath (Assistant Professor, CSE – TTS3118), Mrs. J. Deepa (Assistant Professor, IT – TTS2645).

This 15-day intensive training provided hands-on exposure to advanced hardware platforms and embedded software design. The programme strengthened their technical expertise and enabled them to align academic instruction with industry practices, thereby enhancing their ability to mentor students in practical and research-driven embedded systems applications.



FACULTY DEVELOPMENT PROGRAMME



A **Five-Day Faculty Development Programme (FDP)** on **“Data Analytics Using Python”** was organized in association with the ICT Academy from **02nd to 06th June 2025**, conducted daily from **09:00 AM to 03:30 PM**. The programme was inaugurated at Block 33, Learning Space (Room No. 33021), with hands-on sessions held at Block 33, Second Floor Lab-I (Room No. 33225). The sessions were led by **Ms. M. Deepa, Senior Technical Trainer, ICT Academy**, who provided in-depth training on data analytics concepts and Python-based tools. The programme was organized under the guidance of the university leadership and coordinated by faculty members of the Department of Computer Science and Engineering to enhance analytical and technical competencies among participants.



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FACULTY ACHIEVEMENTS (JULY – SEPTEMBER 2025)

Category	Count	Key Examples (July-Sept 2025)
Awards/Honors	4	Best Paper (Dr. N. Gomathi, Jul 26); Top 2% Scientists (Dr. A. Prasanth, Sep 23)
Conferences	15	Image Denoising (Mr. T M Sivanesan, Aug 8); Image Inpainting (Dr. N. Vijayaraj, Sep 5)
Books/Chapters	2	AI/ML energy management chapters (Dr. P.J. Beslin Pajila)
FDPs Attended	10	Drone Systems & AIML (Mr L Leo Prasanth, Jul 4); Deep Learning (Dr. M. Manikandan, Jul 5)
Total	35	Deep learning, healthcare imaging dominant themes



NEWSLETTER



FACULTY DEVELOPMENT PROGRAMME



A **Six-Day Faculty Development Programme (FDP)** on “Blockchain for Industry 4.0” was conducted from **07th to 12th July 2025** at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai. The programme was organized by the School of Computing, Department of Computer Science and Engineering, in association with IITM Pravartak Technologies Foundation.

The FDP aimed to provide in-depth knowledge of blockchain technology and its applications in Industry 4.0, equipping faculty with expertise in decentralized systems, smart contracts, consensus mechanisms, crypto forensics, metaverse applications, and secure decentralized application (DApp) development through hands-on sessions. The event featured eminent academicians and industry experts as resource persons.

The programme was conducted under the guidance of the university leadership, with Prof. Dr. S. P. Chokkalingam, Prof. Dr. V. Dhilipkumar, and Prof. Dr. N. Vijayaraj as Convenors, and coordinated by Dr. Srیمان B and Dr. Singaravelan M.



FACULTY DEVELOPMENT PROGRAMME



Faculty Development Programme (FDP)

“Redefining Realities: A Hands-On Journey into Game Design, AR-VR, and 3D Creation”

A six-day FDP was conducted from **07th to 12th July 2025** at **Vel Tech**, organized by the *School of Computing* and the *Department of Computer Science and Design*. The programme focused on game design, AR/VR development, animation, and 3D modeling through hands-on training using tools such as Unity, Blender, and Spark AR.

Led by industry experts, the FDP enabled participants to design basic game environments and AR applications, promoting innovation in teaching and research. The programme was coordinated by faculty of the CSD department under the guidance of the university leadership.



NEWSLETTER

STAFF DEVELOPMENT PROGRAMME



Six-Days Bilingual SDP (Tamil & English) - For NTS

“Modern Computing: Hardware, Software & Network Infrastructure”

A six-day Faculty Development Programme was conducted from **07th to 12th July 2025** at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai, organized by the School of Computing, Department of Computer Science and Engineering.

The FDP aimed to strengthen faculty expertise in core and emerging areas of computer science through bilingual (Tamil & English) instruction. The programme featured hands-on sessions on hardware troubleshooting, Java and Python programming, computer networks, cybersecurity fundamentals, and Excel for academic and research applications. Delivered by experienced academicians and industry professionals, the FDP focused on bridging theory and practice, enhancing pedagogical effectiveness, and aligning academic instruction with industry standards.



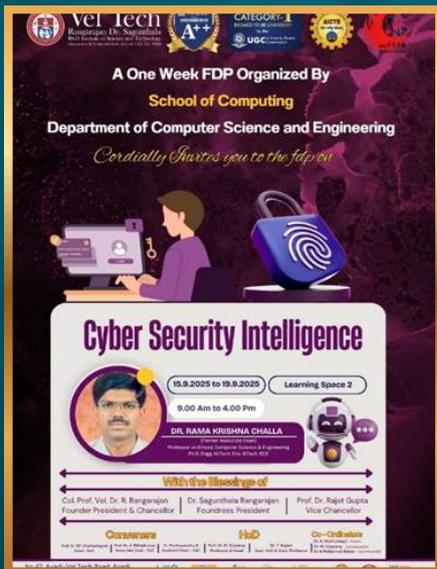
FACULTY DEVELOPMENT PROGRAMME



Cyber Security Intelligence

The School of Computing, Department of Computer Science and Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a Faculty Development Programme on “**Cyber Security Intelligence**” from 15th to 19th September 2025 at Learning Space 2, between 9:00 AM and 4:00 PM.

The sessions were delivered by **Dr. Rama Krishna Challa**, Former Associate Dean and Professor & Head, Department of Computer Science and Engineering. The FDP provided comprehensive insights into cybersecurity frameworks and intelligence systems, along with hands-on training in threat detection, network security, and digital forensics. Participants also explored AI-driven cybersecurity techniques, ethical hacking practices, and real-world case studies on cyberattacks and defense strategies, enhancing their technical expertise and practical knowledge in the field of cybersecurity.





NEWSLETTER

FACULTY ACHIEVEMENTS



Dr. Aruchamy Prasanth

from Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology has been recognized among the **Top 2% Scientists in the World** (Single Year Data – 2025), as per the verified listing published by Elsevier in collaboration with Stanford University.

He is acknowledged in the Main Field: Information & Communication Technologies, with specialization in the Subfield: Artificial Intelligence & Image Processing. He holds a **Global Rank of 91,499 and a Subfield Rank of 3,035, with an H-Index of 13 and an Hm-Index of 6.**

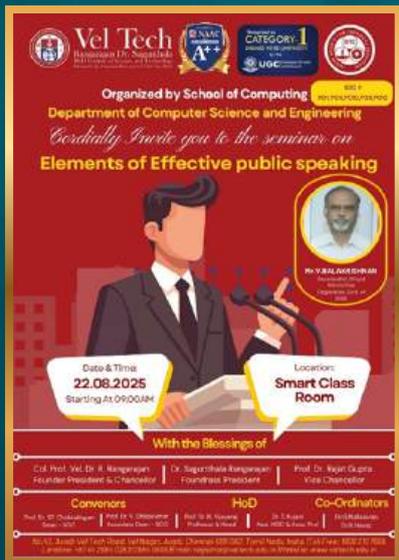
This distinguished recognition reflects his significant research contributions and impact in the domain of Artificial Intelligence and Image Processing, bringing pride to the institution and motivating aspiring researchers toward academic excellence and innovation.



ONE DAY WORKSHOP



ONE DAY WORKSHOP



Elements of Effective Public Speaking

The School of Computing, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, organized a one-day seminar on 22nd August 2025 (Friday) at 10:00 AM in the Edusat Seminar Hall.

The session was delivered by Mr. V. Balakrishnan, Geo Scientist, Oil and Natural Gas Corporation (ONGC), Government of India. The seminar focused on strengthening communication and presentation skills by emphasizing clarity, confidence, body language, voice modulation, and audience engagement.

Participants gained practical insights into overcoming stage fear, structuring impactful speeches, and adapting communication styles for diverse audiences, thereby enhancing essential soft skills for academic and professional excellence.



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SEED SAPLING CEREMONY



Palm Seed Sapling Ceremony

As part of the *Students Club* initiative, the **Nature Club**, in collaboration with *ExNoRa International Organisation* and *Puthiya Thalaimurai TV*, organized a Palm Seed Sapling Event on **02 August 2025** at *Thangalkulam, Seneerkuppam, Avadi*. The initiative aimed to promote environmental sustainability and ecological awareness through community participation. Under the guidance of **Dr. Chidambaranathan C.M.**, *Associate Professor, Department of CSE*, B.Tech CSE students actively took part in collecting, preparing, and planting palm seeds. The event highlighted the importance of palm trees in groundwater conservation, soil protection, and climate resilience. It provided students with practical exposure to biodiversity conservation while fostering social and environmental responsibility.

TREE PLANTATION



At Thirumullaivoyal

Women SIDCO Eco Forest

A Tree Plantation Activity was conducted on 29th September 2025, from 10:00 AM to 12:00 PM, at the Thirumullaivoyal Women SIDCO Eco Forest, Avadi, Thiruvallur District. The event was organized by the Department of Computer Science and Engineering in coordination with Dr. C. M. Chidambaranathan, Nature Club Coordinator. The programme commenced with an inaugural address by dignitaries from the ExNoRa International Foundation, who emphasized the importance of afforestation and environmental sustainability. Students and faculty enthusiastically planted saplings of Indian blackberry, mahua, and manila tamarind, provided by the Tamil Nadu Forest Department, and pledged to nurture them responsibly. The event concluded with an awareness talk by Dr. M. Kavitha and Dr. Sridevi, Professors, Department of CSE, highlighting the significance of trees in combating climate change and promoting biodiversity.

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