Vel Tech

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

Accredited by NAAC with the HIGHEST GRADE A++

Recognised as CATEGORY-1 DEEMED TO BE UNIVERSITY by the UGC University Grants Commission

NEWS LETTER

SCHOOL OF COMPUTING

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

2025 APR - 2025 JUN / VOLUME 10 / ISSUE 4

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 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 evolved from a modest intake of 250 students to a vibrant academic community of 4205 students. The Department is equipped with state-of-the-art laboratories and is supported by a highly qualified and dedicated faculty team comprising 37 Professors, 63 Associate Professors, and 213 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 HEADSHIPS

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

Dr. S P. Chokkalingam
M.Tech, Ph.D
Professor
Dean - School of Computing

EDITOR IN CHIEF

Dr. S P. Chokkalingam
Dean - SoC

Prof. Dr. V. Dhilipkumar
Associate Dean - SoC

Prof. Dr. N. Vijayaraj
Professor & Head - CSE

MANAGING EDITORS

Mr.Manivannan D
Assistant Professor(SG) - CSE

Dr.N. Malarvizhi
Professor/CSE

Dr. Poovayar Priya M,
Assistant Professor/CSE

Dr. Bhavani R,
Associate Professor(SG)/CSE

Dr. V. Murugan
Assistant Professor (SG)/CSE

STUDENT EDITORS

VENKATA BALA SUBRAMANYAM.G
VTU28999

M.GOWTHAM NAGA LAKSHMAN
VTU29796

UMA MAHESWARI S
VTU28408

SANTOSHINI A
VTU28409

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION

2025 Apr - 2025 Jun / Volume 10 / Issue 4

The Department of Physical Education and Sports proudly organized the Annual Sports Day 2024–25 Prize Distribution Function on 28th April 2025 at 5:00 PM at the C.K. Nayudu Stadium, graced by Tmt. Ayman Jamal, IPS, Deputy Commissioner of Police, Avadi, as the Chief Guest. The event was hosted with the blessings of Col. Prof. Vel Dr. R. Rangarajan, Founder President & Chancellor, Dr. Sagunthala Rangarajan, Foundress President, and Prof. Dr. Rajat Gupta, Vice Chancellor, celebrating the achievements and spirit of sportsmanship among students.

Workshop on Curriculum Design in OBE Framework

The Human Resource Development Centre (HRDC) organized a one-week workshop on "Curriculum Design in the OBE Framework" on 30th April 2025 at the ECE Gallery Hall, led by Dr. Kanmani Buddhi, Professor, BMS College of Engineering, Bengaluru. The session focused on effective curriculum structuring aligned with Outcome-Based Education to enhance teaching quality and student learning outcomes. The workshop empowered faculty with practical insights to strengthen academic delivery and institutional excellence.

Faculty Induction Program – HRDC

The Human Resource Development Centre (HRDC) conducted a one-week Faculty Induction Program from 05th to 10th May 2025 at the Gallery Hall (Room No.1601) to orient newly joined faculty members towards institutional culture, academic responsibilities, student engagement practices, and professional ethics. The sessions focused on outcome-based education, research enrichment, digital pedagogy, classroom management, and continual professional growth. This program enabled participants to interact with senior academicians, gain insights into effective teaching methodologies, and enhance their readiness to contribute to the institute's academic excellence. The event was successfully organized with the blessings of Col. Prof. Vel Dr. R. Rangarajan, Dr. Sagunthala Rangarajan, and Prof. Dr. Rajat Gupta.

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION

2025 Apr - 2025 Jun / Volume 10 / Issue 4

The Human Resource Development Centre (HRDC) organized a one-week workshop on "Curriculum Design in the OBE Framework" on 30th April 2025 at the ECE Gallery Hall, led by Dr. Kanmani Buddhi, Professor, BMS College of Engineering, Bengaluru. The session focused on effective curriculum structuring aligned with Outcome-Based Education to enhance teaching quality and student learning outcomes. The workshop empowered faculty with practical insights to strengthen academic delivery and institutional excellence.

Faculty as Distinguished Resource Persons

Our distinguished faculty members continue to elevate academic excellence by contributing as experts and resource persons in national-level FDPs and training programs:

Dr. R. Sivaramakrishnan
Reviewer, International Conference on Mathematics, Computing & AI for Management Innovation
Adhiparasakthi Engineering College, Chennai | 17-04-2025

Dr. Hemalatha P
Expert Speaker, World Creativity & Innovation Day
Malla Reddy College of Engineering, Secunderabad | 21-04-2025

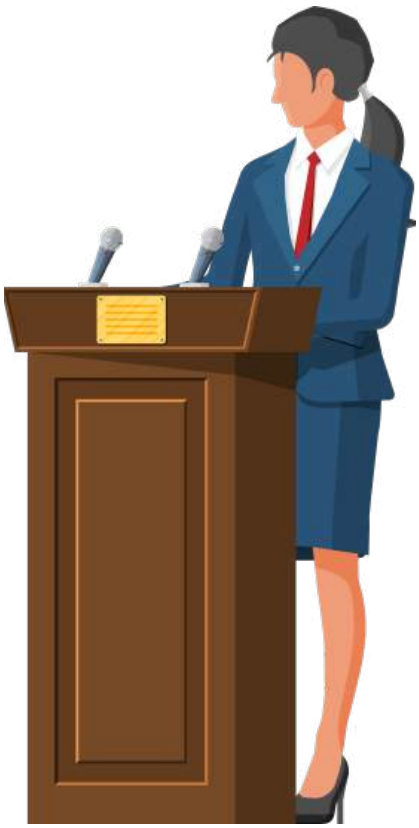
Dr. T. Kujani
Guest Speaker
Velammal Vidyalaya, Chennai | 04-04-2025

Mr. Yalanati Ayyappa
Java Full Stack – Industry Faculty Training
WIPRO Certificate Program
Online | 21-04-2025 to 09-05-2025

Dr. V. Bharathi
Java Full Stack – Industry Faculty Training
WIPRO Certificate Program
Online | 21-04-2025 to 09-05-2025

Dr. X. Arogya Presskila
Java Full Stack – Industry Faculty Training
WIPRO Certificate Program
Online | 21-04-2025 to 09-05-2025

Mrs. S. Hannah
FDP on Data Analytics Using Python
Sri Venkateswara College of Engineering, Chennai | 12-05-2025 to 16-05-2025



School of Computing

NEWSLETTER
APRIL – JUNE 2025 EDITION

2025 Apr - 2025 Jun / Volume 10 / Issue 4

This April–June edition of our magazine highlights excellence across academics, innovation, sports, and global exposure. We feature a U.S. higher-education awareness session, empowering students to explore international opportunities. The IEEE CS Madras Mega ICT Quiz showcased brilliant talent and collaboration. Our Annual Sports Day celebrated determination and victory. Faculty achievements reflect strong research and impactful contributions. Skill-enhancing workshops and FDPs strengthened professional growth. Remarkable student placements mark career success. Together, we continue inspiring progress and future-ready learning.

The School of Computing and Student Council organized a one-day awareness session on "Navigating Resources for International Students in U.S. Universities" on 04th April 2025 at Learning Space-I, Block-33. The session was delivered by Mr. Arvind Sivamani, EducationUSA Adviser, USIEF – U.S. Consulate, Chennai. He provided valuable insights on higher education opportunities in the U.S., covering application processes, funding resources, campus life, and support systems for international students. The event helped aspiring students gain clarity and confidence to plan their academic journey abroad.

IEEE CS Madras Mega ICT Quiz – Zonal Orals

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology proudly hosted the IEEE CS Madras Mega ICT Quiz – Zonal Orals on 15th April 2025 at Block 33, Learning Space II (Room 33022). The event was supported by Zoho Corporation as Lead Sponsor, along with Theme Work Analytics, Giottus, RubiCube, UNIZH, Infocareer, PTF, and Arocia Liborious. Academic partnership included reputed institutions such as KPRIET, SAEC, KoreMOOL Tech, SJIT, KARE, VCEW, and PMIST, with leading professional bodies like IEEE TEMS, ComSoc, CAS, PCS, ACM, CSI, ISACA and others joining hands. In-kind contributions came from top publishers including Wiley, Cyber Media, Universities Press and itihaasa, along with noted authors like Shankar Venugopal, Alok Aggarwal and Harish Mehta, making the event a truly collaborative and knowledge-driven experience.

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION
2025 Apr - 2025 Jun / Volume 10 / Issue 4

Faculty Induction Program – HRDC

The Human Resource Development Centre (HRDC) conducted a one-week Faculty Induction Program from 05th to 10th May 2025 at the Gallery Hall (Room No.1601) to orient newly joined faculty members towards institutional culture, academic responsibilities, student engagement practices, and professional ethics. The sessions focused on outcome-based education, research enrichment, digital pedagogy, classroom management, and continual professional growth. This program enabled participants to interact with senior academicians, gain insights into effective teaching methodologies, and enhance their readiness to contribute to the institute's academic excellence. The event was successfully organized with the blessings of Col. Prof. Vel Dr. R. Rangarajan, Dr. Sagunthala Rangarajan, and Prof. Dr. Rajat Gupta.

Faculty Achievements

Dr. P. Hemalatha delivered a demonstration session at SRM Institute of Science and Technology on various digital forensic tools, providing hands-on insights into:

- EnCase
- FTK Imager
- Hex Editors
- Autopsy
- Email Forensics

The session offered participants a practical understanding of forensic investigation techniques and tools widely used in cybersecurity and digital forensics domains.

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION
2025 Apr - 2025 Jun / Volume 10 / Issue 4

Faculty Achievements

Dr. Dhinakaran D

Assistant Professor – Department of Computer Science and Engineering, published a research article in the prestigious Elsevier Q1 journal, Results in Engineering, titled:

"SI-CL-SDEO Algorithm for Improving HDFS Performance and Data Reliability"

This high-impact publication contributes significantly to advancements in Big Data Systems and enhances the institution's global research profile.

Dr. Dhinakaran D

Assistant Professor – Department of Computer Science and Engineering, published a research article in the prestigious Elsevier Q1 journal, Expert Systems with Applications, titled:

"Safeguarding confidentiality and privacy in cloud-enabled healthcare systems with spectrasafe encryption and dynamic k-anonymity algorithm"

This high-impact publication contributes significantly to advancements in Data Privacy and Security and enhances the institution's global research profile.

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION

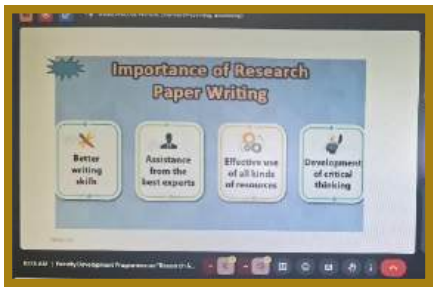
2025 Apr - 2025 Jun / Volume 10 / Issue 4

Event 1:

Crafting Excellence: "A Guide to High Impact Research Paper Writing for Free SCI Journals"

Organized by: Karpagam Academy of Higher Education, Coimbatore

Date: 4th June 2025



His insightful presentation empowered participants with strategies for producing quality research papers and navigating reputable SCI-indexed journals. This contribution reflects his dedication to academic mentorship and research excellence.

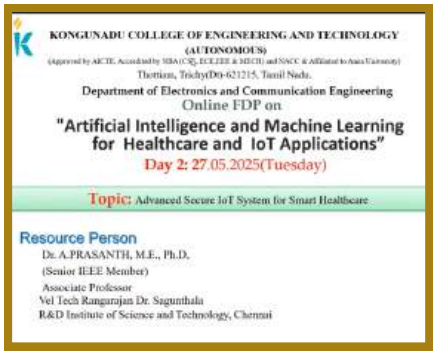
Event 2:

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.

Event 3:

Wipro TalentNext – Certified Faculty Mentors Digital Skills Readiness

Certification: Java Full Stack – Project-Based Learning (PBL)

Certified by: Mr. Thirunavukkarasu Palaniappan, Head – TalentNext, Wipro Limited

Date of Certification: 09th June 2025

The following faculty members from the Department of Computer Science and Engineering have successfully completed the Wipro TalentNext certification assessment and are recognized as certified mentors for project-based learning in Java Full Stack:

- Dr. Vidhyasagar B.S.
- Dr. X. Arogya Presskila
- Dr. Yalanati Ayyappa

This certification demonstrates their initiative in integrating industry-standard digital competencies into academic teaching and enhancing practical learning outcomes for students.

Event 4:

Wipro TalentNext – Advanced Technology Certified Faculty Digital Skills Readiness Program

Track: Cloud Computing

Program Duration: February 2025 – April 2025

Certificate of Excellence Presented by:

Mr. Thirunavukkarasu Palaniappan, Head – TalentNext, Wipro Limited

The following faculty members from the Department of Computer Science and Engineering have successfully completed the TalentNext certification project on Cloud Computing, demonstrating their commitment to integrating advanced technology practices into teaching:

- Mr. Siva Rama Lingham N
- Dr. Yalanati Ayyappa
- Dr. R. Parthasarathy

This accomplishment highlights their initiative to align academic instruction with evolving industry standards and support students in future-ready learning.

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION
2025 Apr - 2025 Jun / Volume 10 / Issue 4

PLACEMENT STUDENT DETAILS – APRIL / MAY / JUNE

S.No	VTU No	Name	Company	CTC
1	20361	KARLAKUNTA LIKHITHA	HCL	4.25
2	20521	IGUTURI S V SANJANA	HCL	4.25
3	20525	SANAKA GOUTHAM	Soft Suave	4
4	20541	RAAVI M S S KRISHNA	TCS	3.3
5	19139	SWETHA S	Movate	3.75
6	24016	VAIDEHI	Movate	3.75
7	20253	BOJJIREDDY P REDDY	Movate	3.75
8	19419	PUNURI VIDHYULLATHA	Movate	3.75
9	18972	GOTTIPUDI SHINEY	Movate	3.75
10	19853	SHAIK AADIL	Movate	3.75
11	19049	VARSHINI PRIYA P J	Movate	3.75
12	19329	ROHAN KUMAR MISHRA	Movate	3.75
13	19297	THATTI USHA SREE	Movate	3.75

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION
2025 Apr - 2025 Jun / Volume 10 / Issue 4

PLACEMENT STUDENT DETAILS – APRIL / MAY / JUNE

S.No	VTU No	Name	Company	CTC
14	19192	Y BHARATH SIMHA REDDY	Movate	3.75
15	19865	SUJAL GUPTA	VisAI Labs	3
16	20322	KUMAR GAURAV	Radiustek Pro	3.6
17	18974	RITESH V	Qbotica	3
18	19468	DEV HARHOL L	Qbotica	3
19	19516	JERRIPOTHULA NAGENDRA BABU	Qbotica	3
20	20487	PRAJAPATHI SONU	Qbotica	3
21	20590	DEVAKI V S P KUMA	Qbotica	3
22	19042	ROUTHU H N ESWAR	Concentrix	3
23	19224	DHARMESH VELISETTY	Concentrix	3
24	19267	AKENA SRI SATYA SAI	Concentrix	3
25	19392	GUDURU DHANUSH KUMAR	Concentrix	3

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION
2025 Apr - 2025 Jun / Volume 10 / Issue 4

PLACEMENT STUDENT DETAILS – APRIL / MAY / JUNE

S.No	VTU No	Name	Company	CTC
26	19460	NAGUMOTHU S R DEVI	Concentrix	3
27	19700	PUJARI HEMANTH KUMAR	Concentrix	3
28	19763	HARSH KUMAR	Concentrix	3
29	19808	VYTLA SURYA SATYA SAI	Concentrix	3
30	19833	N MADHURI	Concentrix	3
31	19943	HARI KRISHNA KANIMILLI	Concentrix	3
32	19952	KOTA AKASH	Concentrix	3
33	19964	KAMMARA SANTHOSH KUMAR	Concentrix	3
34	20053	VADDE RAJASHEKAR REDDY	Concentrix	3
35	20088	MANDAVILLI GEETA S SARABH	Concentrix	3
36	20130	KESAMREDDY CHANDRA LAHARI	Concentrix	3
37	20163	DUVVURU HEMA SAI	Concentrix	3

School of Computing
NEWSLETTER
APRIL – JUNE 2025 EDITION
2025 Apr - 2025 Jun / Volume 10 / Issue 4

PLACEMENT STUDENT DETAILS – APRIL / MAY / JUNE

S.No	VTU No	Name	Company	CTC
38	20190	K TEJASWI	Concentrix	3
39	20225	SIRAM N V V V VAR	Concentrix	3
40	20235	BIDDALA K REDDY	Concentrix	3
41	20353	MULPURI MANASWINI	Concentrix	3
42	20470	KANISETTY LAVANYA	Concentrix	3
43	20477	GUVVALA NANDINI	Concentrix	3
44	20478	DORNADULA S KARTHISRI	Concentrix	3
45	20659	NANDHYALA GEETHA REDDY	Concentrix	3
46	20675	P S OMKARA E RAO	Concentrix	3
47	20933	DALLI AKASH REDDY	Concentrix	3
48	20974	KONDETI V KISHORE	Concentrix	3
49	23990	KUCHIPUDI VIJAY	Concentrix	3
50	23998	VIPRAPATNAM V RAO	Concentrix	3

EDITOR IN CHIEF

Dr. S P. Chokkalingam
Dean - SoC

Prof. Dr. V. Dhilipkumar
Associate Dean - SoC

Prof. Dr. N. Vijayaraj
Professor & Head - CSE

MANAGING EDITORS

Mr.Manivannan D
Assistant Professor(SG) - CSE

Dr.N. Malarvizhi
Professor/CSE

Dr. Poovayar Priya M,
Assistant Professor/CSE

Dr. Bhavani R,
Associate Professor(SG)/CSE

Dr. V. Murugan
Assistant Professor (SG)/CSE

STUDENT EDITORS

VENKATA BALA SUBRAMANYAM.G
VTU28999

M.GOWTHAM NAGA LAKSHMAN
VTU29796

UMA MAHESWARI S
VTU28408

SANTOSHINI A
VTU28409

Every
moment is
a fresh
beginning.

THE
MAGIC
HAPPENS
OUTSIDE
The lines.