

KAMARAJ

COLLEGE OF ENGINEERING & TECHNOLOGY



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

TECHMAG'25



NEWSLETTER | JULY & AUG | 2025

VOLUME 4 | ISSUE 1

Content

VISION AND MISSION OF INSTITUTION

VISION AND MISSION OF DEPARTMENT

PROGRAMME EDUCATIONAL OUTCOMES (PEOS)

PROGRAMME SPECIFIC OUTCOMES(PSOS)

ABOUT THE DEPARTMENT

FACULTY ACHIEVEMENTS

STUDENT ACHIEVEMENTS

PLACEMENT CORNER

EDITORIAL TEAM



Editorial Board

Editor in chief



Dr.A.Meenakshi, M.E., Ph.D., – **HoD of CSE**

Editors



Mr.G.Praveen Kumar, M.E., – **AP/CSE**



Mrs.E.Vijayalakshmi, M.E., – **AP/CSE**

Student Editorial team



G.Godwin Samraj – **3rd YEAR CSE B**



C.Sakthivel – **3rd YEAR CSE B**



V.R.Naavneeth – **2nd YEAR CSE C**



M.Mohamed Parves – **2nd YEAR CSE C**

Faculty profile



**Dr.A.Meenakshi, M.E., Ph.D.,
Professor & HoD**



**Dr.R.Ramya, M.E., Ph.D.,
Associate Professor**



**Dr.A.Anandh, M.E., Ph.D.,
Associate Professor**



**Dr.G.Uma Maheswari, M.E., Ph.D.,
Assistant Professor**



**Mr.V.Rajesh Kannan, M.E.,
Assistant Professor**



**Mr.R.Kumaravel, M.E.,
Assistant Professor**

Faculty profile



**Mrs.S.Athilakshmi, M.Sc., M.Phil., M.E.,
Assistant Professor**



**Mrs.K.Muthu Lakshmi, M.E.,
Assistant Professor**



**Mr.B.Muthu Krishna Vinayagam, M.E.,
Assistant Professor**



**Mr.G.Praveen Kumar, M.E.,
Assistant Professor**



**Mr.J.John Livingston, M.Tech.,
Assistant Professor**



**Mr.D.Asir, M.Tech.,
Assistant Professor**

Faculty profile



**Mrs.X.Ignatius Selvarani, M.E.,
Assistant Professor**



**Ms.S.Janani, M.E.,
Assistant Professor**



**Mrs.E.Vijayalakshmi, M.E.,
Assistant Professor**



**Mr.D.Raj, M.E.,
Assistant Professor**



**Mrs.K.Leelarani, M.E.,
Assistant Professor**



**Ms.D.Pradhiba, M.Tech.,
Assistant Professor**

Faculty profile



**Mr.G.Sundararaju, M.E.,
Assistant Professor**



**Ms.I.Shalom Priscilla, M.E.,
Assistant Professor**



**Mrs.G.C.Pushpalatha, M.E.,
Assistant Professor**



**Mrs.G.A.Muthuchelvi, M.E.,
Assistant Professor**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION OF THE INSTITUTION

TO MAKE THE INSTITUTION THE ONLY OF ITS KIND IN THE FIELD OF RESEARCH AND DEVELOPMENT ACTIVITIES IN THE PART OF THE WORLD.

MISSION OF THE INSTITUTION

TO IMPART HIGHLY INNOVATIVE AND TECHNICAL KNOWLEDGE TO URBAN AND REMOTE RURAL STUDENTS THROUGH "TOTAL QUALITY EDUCATION."

QUALITY POLICY

COMMITTED TO IMPART QUALITY TECHNICAL EDUCATION IMBDED WITH PROFICIENCY, HUMAN VALUES AND CONTINUAL IMPROVEMENTS

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION OF THE DEPARTMENT

TO MAKE THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING THE UNIQUE OF ITS KIND IN THE FIELD OF RESEARCH AND DEVELOPMENT ACTIVITIES IN THIS PART OF WORLD

MISSION OF THE DEPARTMENT

TO IMPART HIGHLY INNOVATIVE AND TECHNICAL KNOWLEDGE TO THE URBAN AND UNREACHABLE RURAL STUDENT FOLKS IN COMPUTER SCIENCE AND ENGINEERING THROUGH "TOTAL QUALITY EDUCATION".



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PROGRAM EDUCATIONAL OBJECTIVES

PEO1

Apply the necessary mathematical tools and fundamental knowledge of Computer Science & Engineering to solve the variety of Engineering problems.

PEO2

Develop software based solutions for real life problems and be a leaders in their profession with social and ethical responsibilities.

PEO3

Pursue life-long learning and research in selected fields of Computer Science & Engineering and contribute to the growth of those fields and society at large.

PROGRAM SPECIFIC OUTCOMES

PSO1

Profession Skills: The ability to understand, analyze and develop computer Programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of Computer-based systems of varying complexity.

PSO2

Problem - Solving Skills: The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was established in the year 1998 with the initial intake of 40. The primary objective of our department is to provide "Total Quality Education" in the field of information and Communication Engineering, amid 120 students per year. Computer Science & Engineering, a dazzling department for ever is always a forerunner in impacting innovative & technical knowledge to the aspirants. The department of Computer Science and Engineering has excellent infrastructure facilities and is powered with the highly sophisticated lab with the higher configuration systems and servers with recent software updated to meet the demands of the IT industry, Research and Development organizations and computer related areas. The department offers an excellent academic environment with a team of highly qualified faculty who are technically sound and talented persons. Our staffs monitor student's performance regularly and give moral support and motivation to them. Our department has a separate association called CYBERHEFT through which we conduct various technical events to student.

HOD'S MESSAGE

"Technology is the driving force behind the evolution of our world, and at the Department of Computer Science and Engineering, we are committed to nurturing the next generation of innovators, problem-solvers, and leaders who will shape the future. As we stand at the intersection of cutting-edge research and real-world applications, our mission is to empower students with the knowledge, skills, and mindset to tackle global challenges and create transformative solutions. This tech magazine serves as a testament to the incredible advancements and ideas emerging from our vibrant community. It is a platform to celebrate creativity, collaboration, and the relentless pursuit of excellence. Let us continue to push boundaries, embrace curiosity, and harness the power of technology to build a smarter, more connected, and sustainable world. To our students, faculty, and industry partners - your passion and dedication inspire us every day. Together, let's keep innovating, learning, and leading the way in the ever-evolving landscape of technology."

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

HOD'S PROFILE

Dr. A. Meenakshi, Professor and Head of the Department of Computer Science and Engineering at Kamaraj College of Engineering and Technology, Near Virudhunagar, has over 25 years of teaching experience and nearly 15 years of research experience in the field of Computer Science and Engineering. She obtained her Master of Engineering in Computer Science and Engineering from Anna University, Chennai, and her Ph.D. in Information and Communication Engineering, specializing in Machine Learning, from the same university.

Dr. Meenakshi has published more than 15 papers in reputed national and international journals and presented over 20 papers at national and international conferences. She is a recognized research supervisor under the Information and Communication Engineering domain at Anna University, Chennai, and currently guides seven research scholars.

Her research interests include Big Data Analytics, Machine Learning, and Deep Learning. She is also a member of the Computer Society of India (CSI) and a life member of the Indian Society for Technical Education (ISTE).





(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

CSE PLUG IN

Tech Magazine | Jul & Aug

VOLUME 4 | ISSUE 1

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

***DEPARTMENT
ACTIVITIES***

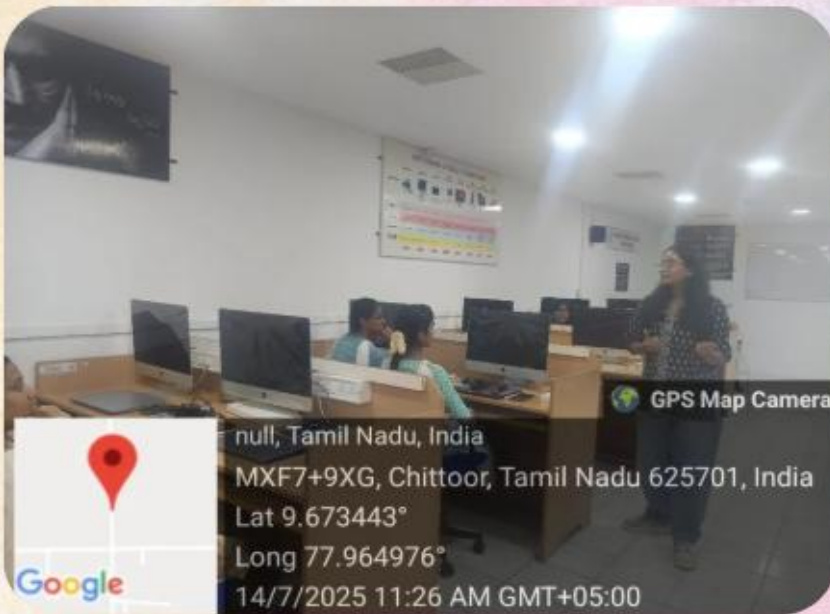
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Value Added Course
(14.02.2025) to (22.02.2025)**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Value Added Course
(14.02.2025) to (22.02.2025)**



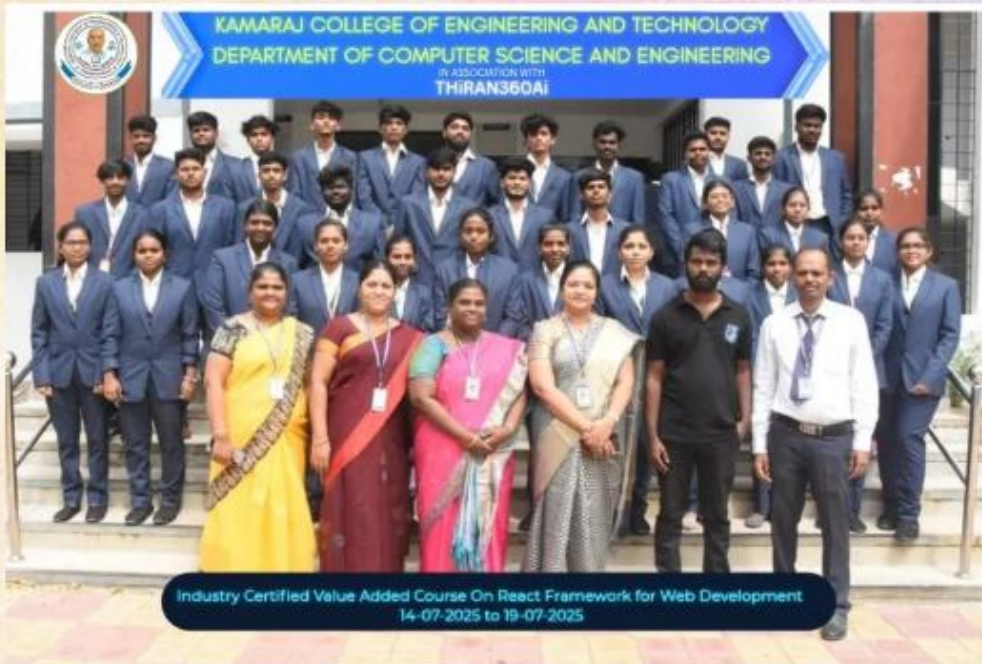
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Value Added Course
(14.02.2025) to (22.02.2025)**



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Value Added Course
(14.02.2025) to (22.02.2025)**





(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

CSE PLUG IN

Tech Magazine | Jul & Aug
VOLUME 4 | ISSUE 1

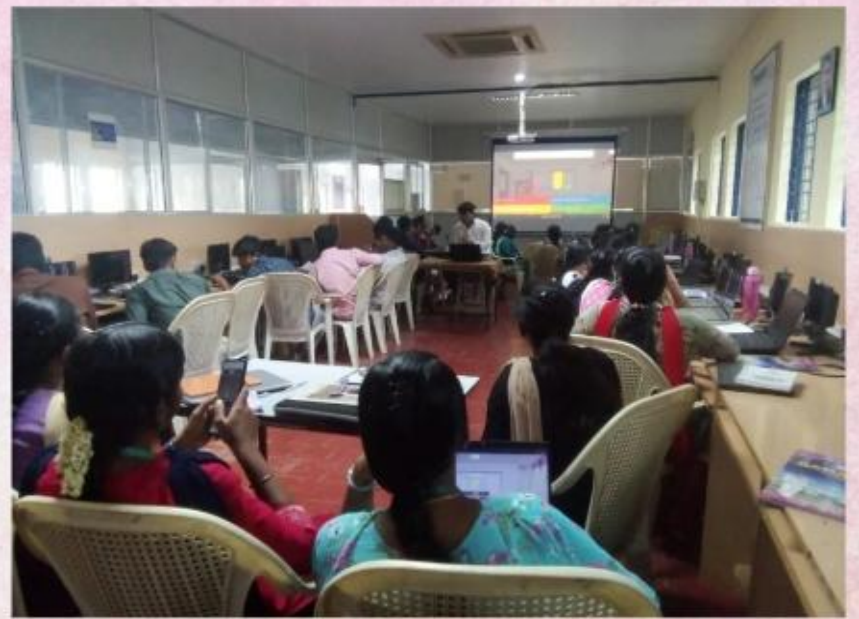
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Value Added Course
(14.02.2025) to (22.02.2025)**

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
IN ASSOCIATION WITH
PANITH INNOVATION



INDUSTRY CERTIFIED VALUE ADDED COURSE ON COMPREHENSIVE AI CREATION AND INNOVATION BOOTCAMP
14-07-2025 TO 19-07-2025





DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KAMARAJ
COLLEGE OF ENGINEERING & TECHNOLOGY
(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)
S.P.G.Chidambara Nadar - C.Nagammal Campus
S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

Department of Computer Science and Engineering
Organized
Guest Lecture On
**UNLOCKING INTERVIEW SECRETS: ALUMNI
EXPERIENCE SHARING FOR IV CSE STUDENTS**
On - 25 August 2025

Resource Person
Mr. A. Shakeel Ahmed - Junior Software Engineer,
Relevantz Technology Services



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VAC/FDP/Workshop/seminar/conferences/gust lectures organized

VAC 2025-2026

S. No.	Name of the Programme	Date	Sponsoring Authority, if any	No. of Participants	Resource Persons/ Chief Guest	Coordinators
1	Comprehensive AI Creation and Innovation Bootcamp	14/07/2025 to 19/07/2025	--	35	Mr.Regan, Mr.Rajesh kannan PANITH innovation, Bangalore	Ms.G.Rohini Priya Mr.D.Raj Mr.G.Praveen Kumar
2	React Framework for Web Development	14/07/2025 to 19/07/2025	---	34	Mr.V.Vikraam Thiran360Ai	Ms.K.Priyadharshini Mr.R.Kumaravel
3	Low Code No Code - N8N	14/07/2025 to 19/07/2025	--	35	Ms Sasmitha Bhaskaran Raam Tech link Pvt Ltd	Ms.T.Divya Dr.G.Uma Maheswari



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

S. No.	Name of the Programme	Date	Sponsoring Authority, if any	No. of Participants	Resource Persons/ Chief Guest	Coordinators
4	Three days of hands-on workshops on "Think Like a coder : Foundations of coding Logic"	19/08/2025 to 21/08/2025	--	62 Nos.	V. Ponmalar,M.E., Director and Trainer R. Pavithra ,M.C.A., Trainer A. Shanthiya,B.E., Trainer Xplocode Infotech Private Limited	Ms.D.Pradhiba, AP-CSE Mr.S.Ram Prasath, AP-CSE Ms.S.Janani, AP-CSE
5	Three days of hands-on workshops on "Mastering Java made simple"	19/08/2025 to 21/08/2025	--	62 Nos	Mr.A.M.Sasikumar Software Developer Phoenix Softech Madurai	Dr.R.Ramya, ASP-CSE Mr.R.Kumaravel, AP-CSE Ms. K. Prlyadharshini, AP-CSE
6	Three days of hands-on workshops on "Igniting client-side magic tasks"	19/08/2025 to 21/08/2025	--	65 Nos.	Dr.B.Ezhilavan, CEO Founder, VEI Technologies Chennai	Dr.A.Anandh, ASP-CSE Mrs.M.Mohana, AP-CSE Ms.I.Shalom priscilla, AP-CSE
7	Guest Lecture on "Unlocking Interview Secrets : Alumni Experience sharing"	25/08/2025	-	71 - IV CSE	Mr. A. SHAKEEL AHMED, Junior Software Engineer, Relevantz Technology services, Alumnus 2020-2024 Batch	Mrs.X Ignatius Selvarani, AP/CSE Mr.V.Rajeshkannan, AP/CSE Mrs.K.Leelarani, AP/CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on Achievement by Staff members & Students

GUEST LECTURE DELIVERED/ACTED AS RESOURCE PERSONS IN SYMPOSIUM/ SEMINAR/ CONFERENCE /FDP/WORKSHOP BY FACULTY MEMBERS/ACTED AS A REVIEWER FOR BOOK CHAPTERS/ACTED AS A SESSION CHAIR/ ACTED AS A JURY MEMBER

S. No.	Name of the faculty	Name of the Programme/ Title	Date	Organizing Institution	Sponsored by, if any	Resource Person/Chair Person/ Guest Speaker, etc
1	Dr.Ramya, ASP-CSE	16th International IEEE Conference on Computing, Communication And Networking Technologies (ICCCNT) 2025	7/7/2025	IIT - Indore, Madhya Pradesh	Oriental University, Indore and Kongu Engineering College, Erode	Session Chair
2	Dr. A. Anandh, ASP-CSE	3rd International Conference on Data Science and Information Systems (ICDSIS-2025)	25/07/2025	Kalpataru Institute of Technology, Tiptur, Karnataka		Reviewer

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

3	Dr.A. Anandh, ASP-CSE	2nd International Conference on Software, Systems and Information Technology (SSITCON- 2025)	25/07/2025	Sri Siddhartha Institute of Technology, Tumkur, Karnataka, India	IEEE Bangalore Section	Reviewer
4	Dr. A. Anandh, ASP-CSE	2nd IEEE International Conference on Intelligent Algorithms for Computational Intelligence Systems (IACIS-2025)	25/07/2025	Navkis College of Engineering, Hassan, Karnataka, India	IEEE Bangalore Section and IEEE Mysore Subsection	Reviewer



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

5	Cyber Guardian : Mastering Threats Intelligence, Cloud Security and Access Control	14/07/2025 to 19/07/2025	--	35	Mr.Sai Gowtham, Mr.jana, Izapy Pvt.Ltd, Bangalore	Ms.E.Vijayalakshmi Ms.S.Archana Devi
6	Cloud Computing with Devops	14/07/2025 to 19/07/2025	--	35	1.Er.Siddharth, Software Developer 2.Er.Jwalitha , Technical Lead, Aalavai Technologies Private Limited, Bengaluru	Ms.D.Pradhiba Ms.M.Mohana
7	Guest Lecture on Career Development	31/07/2025	--	II CSE	Mr.Venkatesh kumar, CEO of Mandela groups of Companies, Uganda	



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Report on Staff Development Programme

FDP/Workshop/Seminar attended by Faculty members

S. No.	Name of the faculty	Name of the Programme	Date	Organizing Institution	Sponsored by, if any	Participated / Presented
1	Ms. S. Athilakshmi, AP/CSE	FDP on "Generative AI"	04/08/2025 to 08/08/2025	Brainovision Solutions India Pvt. Ltd	AICTE and hosted by Anjuman Institute of Technology and Management, Bhatkal	Participated
2	Dr. Ramya, ASP-CSE	FDP Program on "Generative AI: Applications, Challenges and Future Trends"	18/08/2025 to 22/08/2025	Department of Computer Science and Engineering, K.L.N. COLLEGE OF ENGINEERING.	--	Participated
3	Dr.A.Anandh, ASP-CSE	FDP Program on AI, ML & Deep Learning for Autonomous Vehicles	28/07/2025 to 1/08/2025	STEP-National Institute of Technology Karnataka	Pantech e Learning	Participated



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Membership in Professional Bodies

S. No.	Name of the Faculty	Professional Body/Society	Category/Grade of Membership	Membership No
1	Dr.A.Meenakshi	ISTE	Life	LM37500,
		CSI	Till 31/8/27	F8004138
2	Dr.R.Ramya	ISTE	Life	LM39347
3	Dr.A.Anandh	ISTE, CSI	Life	LM73812, F8004139
		IAENG	Life	349397
4	Dr.G.Uma Maheshwari	ISTE	Life	LM59122
5	Mr.V. Rajesh Kannan,M.E.,	ISTE	Life	LM129088
6	Mrs. S.Athilakshmi	ISTE	Life	LM59512
7	Mr.B.Muthukrishnavinayagam	ISTE	Life	LM59485
8	Mrs.K.Muthulakshmi	ISTE	Life	LM80118

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

9	Mrs.X.Ignatius Selvarani	ISTE	Life	LM94406
10	Ms.S.Janani	ISTE	Life	LM86893
11	Mrs. K. Leelarani	ISTE	Life	LM104237
12	Mrs.M.Mohana	ISTE	Life	LM113331
13	Mr.G.Praveen Kumar	ISTE	Till 31/8/27	F8005319
14	Mr.D.Raj	CSI	Till 31/8/27	F8005318
		ISTE	Life	LM135259
15	Mr.R.Kumaravel	ISTE	Life	LM72624



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- The Department of CSE conducted an orientation programme for II and III year students and disseminated the activities to be carried out in the Academic year 2025 –26.
- Mr. D. Asir, AP/CSE, has successfully attended the Faculty Enablement Program (FEP) on Cyber Security and completed the Proctored Mode Assessment. I have been awarded the Cyber Security Foundation Certification upon successful completion.
- III CSE Students (Batch 1) visited HCL TECH, Madurai on 11th July 2025.
- III year CSE students (batch -2) visited Notasco Technologies India Pvt Ltd, Madurai on 11th July 2025.
- III year CSE students (batch - 3) visited Hi-Tech Arai Private Limited, Madurai on 11th July 2025.
- Dr. A. Meenakshi, HoD/CSE, visits the Laboratories at Sastra University to know the best practices followed.
- Ms. Athilakshmi, AP/CSE, received a certificate of Recognition from Oxford University Press for reviewing the content and providing quality inputs for improvement of the title "Machine Learning" by the authors S.Sridhar and M.Vijayalakshmi.
- Internship review conducted for III year CSE Students on 25.07.2025.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Student Co-curricular Activities – Academics

(Inplant training, Symposium, Conference, Contests, etc)

Internship undergone by students (Outside only)

S.No	Sec	Roll No	Student Name	Company Name	Internship		Paid/ Unpaid	If Paid Stipend	Job confirmed after Intern (Yes /No)
					From	To			
1	A	22UCS090	Divyadarshini S	Xmplar	18/08/25	31/03/26	Paid	Rs.12500	Placement cum Internship
2	A	22UCS080	Infant Regies E	Xmplar	18/08/25	31/03/26	Paid	Rs.12500	Placement cum Internship
3	A	22UCS004	Jaya Deva Aakash J	CRUD operations	4/8/2025	28/02/26	Paid	Rs.12000	Placement cum Internship



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Placement 2025-2026 Batch

S.No	Sec	Roll Number	Register Number	Name of the Student	Name of the company
1	A	22UCS004	920422104061	JAYA DEVA AKASH J	CRUD operations-Chennai
2	C	22UCS034	920422104165	SWEETLYN SYLVIA P	Novacis Digital-Chennai
3	A	22UCS135	920422104093	MANOJKUMAR G	Novacis Digital-Chennai
4	C	22UCS040	920422104055	HARIDHARUN D S	Novacis Digital-Chennai
5	A	22UCS069	920422104138	SELVAKUMAR M	Trivine Technology
6	A	22UCS083	920422104139	SELVAKUMAR T	Trivine Technology
7	B	22UCS094	920422104050	GOWSALYA.A	Trivine Technology



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

8	B	22UCS093	920422104032	DHANUSH.P	Trivine Technology
9	A	22UCS060	920422104041	DIVYA S	Trivine Technology
10	A	22UCS080	920422104058	INFANT REGIES E	Xmplar - MDU
11	A	22UCS090	920422104042	DIVYADARSSHINI S	Xmplar - MDU
12	B	22UCS133	920422104135	SANTHOSH KUMAR S	Xmplar - MDU
13	C	22UCS147	920421104081	KAVIPRIYA N	Xmplar - MDU



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near VIRUDHUNAGAR).

CSE PLUG IN

Tech Magazine | Jul & Aug

VOLUME 4 | ISSUE 1

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT

ARTICLES

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Environmental awareness is understanding that human life depends on the health of the Earth. Every resource we use — air, water, and food — comes from nature, and its generosity is limited. Rapid industrialization, deforestation, and pollution have caused global warming, melting ice, and species loss. Awareness is the first step toward change. When people realize how their actions affect nature, they begin to care. Education plays a crucial role in shaping responsible citizens, teaching children and youth about sustainability, biodiversity, and eco-friendly habits, creating a foundation for a greener future.



Governments and international organizations play a key role in environmental protection. Programs like India's Swachh Bharat Abhiyan, Namami Gange, and National Green Mission promote cleanliness, river revival, and reforestation. Globally, the Paris Agreement, Earth Hour, and World Environment Day highlight climate action as a shared responsibility. However, policies alone cannot succeed without public participation. Awareness bridges this gap, empowering citizens to adopt sustainable practices, hold industries accountable, and support green innovations. Education, campaigns, and community programs help turn knowledge into action, creating a culture where preserving the environment becomes a way of life rather than a mere obligation.



S.Vaishnavi
II CSE C
24UCS083

True environmental protection starts with individuals. Small, mindful actions — conserving water, reducing electricity use, avoiding plastics, planting trees, and following the 3Rs: Reduce, Reuse, Recycle — collectively make a big difference. Media and technology can inspire and facilitate change through campaigns, renewable energy, and eco-friendly innovations. Despite challenges like poverty, weak enforcement, and short-term profit motives, continuous awareness can foster long-term sustainability. Every person is a custodian of nature, and every act of care counts. By learning, acting, and inspiring others, we can secure a cleaner, safer, and greener planet. Awareness begins with us.



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

CSE PLUG IN

Tech Magazine | Jul & Aug

VOLUME 4 | ISSUE 1

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

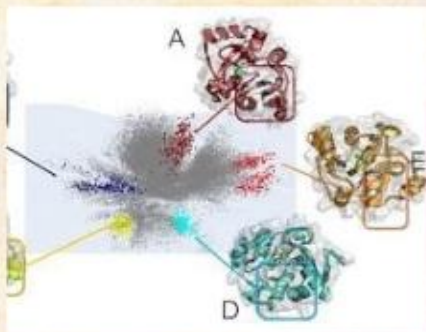
**STAFF
ARTICLES**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ARTICLE ON AGENTIC AI



One of the most significant technology trends in 2025 is the rise of agentic AI, which moves beyond passive assistance to independent reasoning, planning, and task execution. Unlike traditional digital assistants, these systems leverage advanced machine learning, memory, and natural language understanding to proactively manage multi-step workflows. Agentic AI can handle scheduling, emails, and complex data analysis, while consumer applications use it for personalized shopping, travel planning, and home automation. By sharing workloads with humans, agentic AI frees people to focus on strategic and creative work, transforming both daily life and enterprise operations.



Enterprise adoption of agentic AI is growing rapidly. Cloud-based AI agents are now integrated into business workflows, automating repetitive tasks and analyzing large datasets to generate actionable insights. Partnerships between chip makers, cloud providers, and software developers are driving custom AI hardware, ensuring speed, security, and efficiency. Meanwhile, lightweight AI models are becoming more accessible, running on personal devices without relying on cloud infrastructure. This combination of frontier and efficient AI allows organizations to measure return on investment, tailor solutions to industry-specific needs, and make intelligent tools available to everyone, everywhere.

Agentic AI also enables hyper-personalized experiences across industries. By learning user behavior, these systems recommend content, purchases, and even customized educational paths. Healthcare benefits include faster diagnostics, real-time health risk prediction, and personalized treatment plans. In customer service, AI-powered chatbots autonomously handle complex issues, improving efficiency and satisfaction. As these AI systems continue to evolve, they are redefining human-computer collaboration, enhancing productivity, and delivering tangible benefits across daily life, business operations, and specialized sectors, making intelligence more accessible, proactive, and impactful than ever before.



Mr.S.Ram Prasath,M.E.,
Assistant Professor