

# 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

# TECHIMAG'25



KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY



NEWSLETTER | MAR & APR | 2025

VOLUME 2 | 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** – **3<sup>rd</sup> YEAR CSE B**



**C.Sakthivel** – **3<sup>rd</sup> YEAR CSE B**



**V.R.Naavneeth** – **2<sup>nd</sup> YEAR CSE C**



**M.Mohamed Parves** – **2<sup>nd</sup> 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 imbued 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).**





**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

***DEPARTMENT  
ACTIVITIES***



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**Build-A-Thon 2025 - intra-college level project expo  
(05.03.2025)**





**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**One Day Workshop on “SEO tools and Techniques”  
(13.03.2025)**

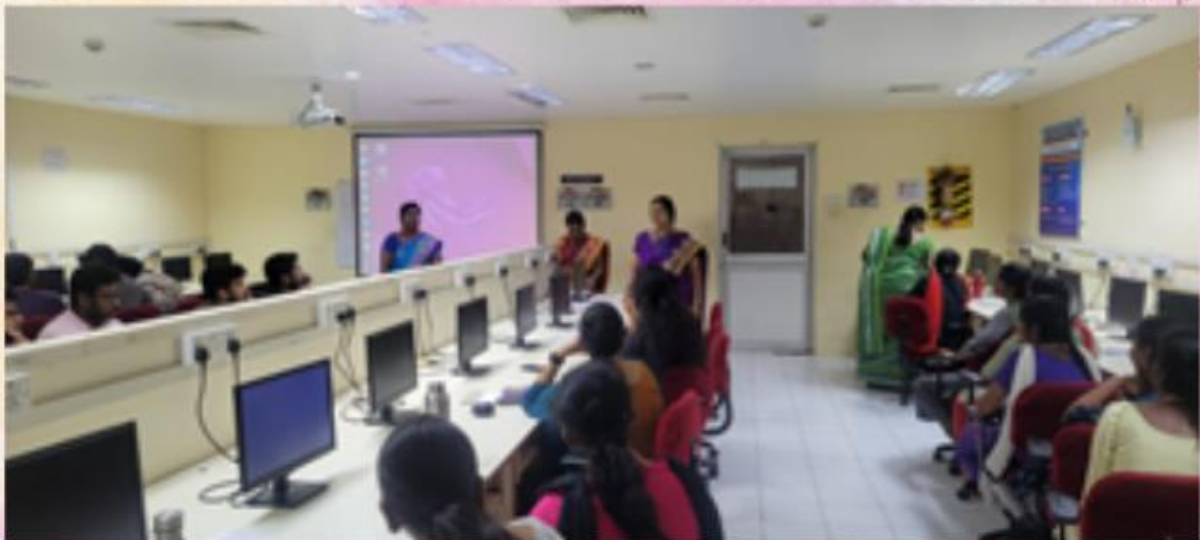




## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**One Day Workshop on “Smart Contract and Enterprise Solutions  
Exporting Truffle Suite and Hyperledger”**

**(13.03.2025)**

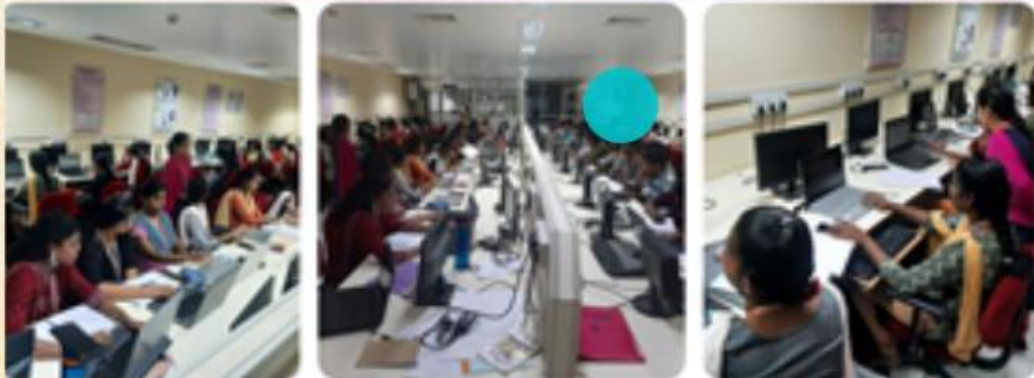




## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

International Certification Training on AWS cloud Practitioner

(17.03.2025 to 22.03.2025)





## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**Hands on Workshop – UI/UX Design-Crafting Engaging and User  
Centeric Experiences**

**(11.04.2025 & 12.04.2025)**





## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Guest Lecture on “Agility and Maturity in Harmony

(15.04.2025)





**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

***FACULTY***  
***ACHIEVEMENTS***



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Faculty Acting as Editorial Board Members in Journals

S. No.	Name of the Faculty	Designation & Department	Title of the Journal	Publisher	Editor/Special Issue Editor/Associate Editor/Reviewer
1	Dr. A. Anandh,	ASP/CSE	Scopus and SCI-indexed journal of Imaging Science and Technology	Digital Publications	Reviewer

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING****FDP/Workshop/Seminar attended by Faculty members**

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	Ms. Athilakshmi, AP/CSE	Guest Lecture on Machine learning for Real Time applications	01.04.2025	Francis Xavier Engineering College, Tirunelveli	-	Resource Person
2	Dr. R. Ramya, ASP/CSE	16th IEEE - International Conference on Computing, Communication, and Networking Technologies (ICCCNT)	11.04.2025	IIT Indore during 6 - 11, July 2025	-	Reviewer



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VAC/FDP/Workshop/seminar/conferences/guest 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	VAC on Red Hat Certified System Administrator the EX200 international certification exam classes	10.03.2025	-	30	Mr.S.Suresh Kannan, Director, School of Linux, Madurai	Dr.A.Anandh, ASP/CSE Mr. G.Sundara Raju, AP/CSE



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**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	Resource Person/Chair Person/ Guest Speaker, etc
1	Dr. R. Ramya, ASP- CSE,	Faculty Development Programme titled "Exploring Power BI for Smart Insights"	05.03.2025	Standard Fireworks Rajaratnam College for Women, Sivakasi	Resource Person
2	Mr. Muthukrishna Vinayagam, AP/CSE and Mr. Asir, AP/CSE	Short Term Training on Bootstrap and Node.js for Web Development	06.03.2025	PET Engineering College, Vallioor	Resource Person
3	Mrs. Muthulakshmi, AP/CSE	Webinar on Network Security	10.03.2025	University of Science & Computer Technology (STEKOM) collaboration with STIE STEKOM, PERKIVI, PTIC and TopLoker.com	Resource Person



4	Dr. A. Meenakshi, Prof. & HoD	International visiting Lecture on the topic "Machine Learning and applications"	11.03.2025	University of Science & Computer Technology (STEKOM) collaboration with STIE STEKOM, PERKIVI, PTIC and TopLoker.com	Resource Person
5	Dr. R. Ramya, ASP/CSE	5th International Conference on Electrical, Computer and Energy Technologies (ICECET)	13.03.2025	Paris, France during 03-06 July 2025	Reviewer
6	Dr. A. Meenakshi, Prof. & HoD	FDP on "Exploring next Generation smart solutions (ENGSS-2025_	17.03.2025	SSN college of Engineering, Chennai	Resource Person



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

7	Dr. A. Anandh, ASP/CSE	3rd International Conference on Data Science and Information Systems (ICDSIS-2025)	22.03.2025	Malnad College of Engineering, Hassan, held on on May 17-18, 2025	Reviewer
8	Dr. A. Meenakshi, Prof. & HoD	Two-day International Conference on Computational Intelligence ICCI-2025	21.03.2025 & 22.03.2025	K.Ramakrishnan College of Engineering (Autonomous) Trichy	Session Chair



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**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**

1	Ms. Athilakshmi, AP/CSE	Guest Lecture on Machine learning for Real Time applications	01.04.2025	Francis Xavier Engineering College, Tirunelveli	-	Resource Person
2	Dr. R. Ramya, ASP/CSE	16th IEEE - International Conference on Computing, Communication, and Networking Technologies (ICCCNT)	11.04.2025	IIT Indore during 6 - 11, July 2025	-	Reviewer



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

S.No	Name of the faculty with Co-Authors	Title of the Paper	Title of the Journal	Vol. No., Issue No., Page No., Month & Year	Impact Factor, if any
1	Mr.Asir, AP/CSE, Hari Prasath C, Aakaash Kumar M, Sriram Rathinavel.P	Educare:An Integrated Platform for Student Attendance Management	International Research Journal on Advanced Engineering Hub (IRJAEH)	e ISSN: 2584-2137 Vol. 03 Issue: 03 March 2025 Page No: 439-442	-
2	Mrs Ignatius Selvarani X,AP/CSE Karshan Victor Josh T, Shyam A, Vignesh S	Heartbeat Guardian: Virtual Heartrate Monitoring	International Research Journal on Advanced Engineering Hub (IRJAEH)	e ISSN: 2584-2137 Vol. 03 Issue: 03 March 2025 Page No: 492-495	-



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

- The III CSE-A students visited Hitasoft Technology solutions Pvt Ltd, Madurai for an industrial visit on 02.04.2025
- III CSE-C students visited "Innervex Technology Pvt limited, Madurai for an industrial visit on 04.04.2025.
- The Department of CSE Inaugurated Cloud Nexus Club. The Chief Guest Mr.Rathina Kannan, Product Architect, is from Chainsys.
- The Department of CSE Organized A two-day workshop ON UI/UX for III CSE Students on 11.04.2025 and 12.04.2025 on the title "DESIGN: CRAFTING ENGAGING AND USER-CENTERIC EXPERIENCE".
- The Department of CSE organised a Tech talk on Agility and maturity in harmony with III CSE students. Resource Person from Industry: Mr.R.Rathinakannan, Product Architect - dataZap, Chainsys, Madurai.



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

S.No.	Sec	Roll Number	Register Number	Name of the Student	Name of the company
1	A	21UCS119	920421104065	NIRANCHANA SHREE.S.R.	Centizen Tirunelveli
2	B	21UCS088	920421104031	JABEZ JERIN.J	Centizen Tirunelveli
3	A	21UCS067	920421104108	VASEEKARAN.S	Clustrex - Chennai
4	B	21UCS060	920421104084	RUTHICK SREE.S	Clustrex - Chennai
5	A	21UCS025	920421104032	JANA VIKRAM.K.M. S	Xmplar - MDU
6	A	21UCS052	920421104119	YOGESHWARAN.R	Xmplar - MDU
7	A	21UCS080	920421104082	RISHIKESH.C	Xmplar - MDU
8	A	21UCS111	920421104007	ARUN KUMAR.K	Xmplar - MDU
9	A	21UCS116	920421104049	KOUSHIKAN.S	Xmplar - MDU
10	B	21UCS002	920421104005	ABIRAMI.V	i-Chainsys MDU
11	B	21UCS109	920421104006	ARUL KUMARAN.S	i-Chainsys MDU
12	B	21UCS019	920421104019	DHANASEKARAN.M	i-Chainsys MDU



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

13	B	21UCS064	920421104013	BALAJI.J	i-Chainsys MDU
14	B	21UCS095	920421104034	JEMIMA.K	i-Chainsys MDU
15	B	21UCS108	920421104042	KAVIYA.K	i-Chainsys MDU
16	B	21UCS009	920421104068	NITHYA SRIM	i-Chainsys MDU
17	A	21UCS044	920421104078	PUNITHA BRIDJITH.A	i-Chainsys MDU
18	B	21UCS102	920421104079	RAJA ASWIN.T	i-Chainsys MDU
19	B	21UCS117	920421104101	SUGANESAN.D	i-Chainsys MDU
20	B	21UCS042	920421104107	THIRISHA.M	i-Chainsys MDU
21	B	21UCS039	920421104035	JESWANTH.S	Relevantz-MDU
22	B	21UCS099	920421104043	KAVYA SRI VAIPAVA.S	Relevantz-MDU
23	A	21UCS114	920421104062	MUKESH.N	Relevantz-MDU



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

24	A	21UCS084	920421104067	NITHIS BANGARU.B	Relevantz-MDU
25	A	21UCS079	920421104105	THANGA BALAJI.P	Relevantz-MDU
26	B	21UCS030	920421104117	VISHWESHWARAN.E	Relevantz-MDU
27	A	21UCS028	920421104110	VIGNESH KUMARAN.A	Hexaware
28	A	21UCS065	920421104001	AAKAASH KUMAR.M	Novacis Digital-Chennai
29	A	21UCS034	920421104066	NIRANJANA.P	Novacis Digital-Chennai
30	B	21UCS056	920421104041	KATHIRVEL.A	Novacis Digital-Chennai
31	A	21UCS058	920421104100	SRIRAM RATHINAVEL.P	Novacis Digital-Chennai
32	A	21UCS122	920421104303	KARTHIKEYAN. T.S.	Coding Bees
33	B	21UCS071	920421104103	SURYA.A	Coding Bees
34	A	21UCS101	920421104014	BANU SUBIKSHA.M	Kaaviyan Systems-VNR
35	A	21UCS010	920421104018	DEEPAN SAKKARAVARTHI.S	Kaaviyan Systems-VNR



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

36	A	21UCS106	920421104097	SIVARANJANI.S	Kaaviyan Systems-VNR
37	A	21UCS068	920421104116	VISHVA.K	Kaaviyan Systems-VNR
38	B	21UCS049	920421104104	SWATHI.R	Kaaviyan Systems-VNR
39	A	21UCS081	920421104008	ASATH SUGAINA.A	Trivine Technology
40	A	21UCS041	920421104023	GOVINDARAJAN.D	FACEPREP
41	A	21UCS054	920421104056	MAHARANJITHAM.S	FACEPREP
42	B	21UCS007	920421104072	PRABHU.B	FACEPREP, TERV
43	B	21UCS123	920421104307	VASUDEVAN	FACEPREP
44	A	21UCS012	920421104088	SANGEETHA.K	FACEPREP
45	A	21UCS013	920421104028	HARSHINA SRIM.G	FACEPREP
46	A	21UCS043	920421104064	NAVANEETHA KRISHNAN.A	FACEPREP
47	A	21UCS077	920421104026	HARIHARAN.C	ZOHO



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

48	B	21UCS073	920421104094	SHIYAMA.A	TERV
49	A	21UCS051	920421104070	PAVITRA RAO.S	TERV
50	A	21UCS062	920421104047	KIRUTHIKA.S	TERV
51	A	21UCS005	920421104081	RAJESWARL.R	SKILL MINE
52	B	21UCS063	920421104099	SRI SHARAN PRAKASH.S	SKILL MINE
53	A	21UCS023	920421104118	YASWANT.R	IZAPY,Mitsuba,A arvik
54	B	21UCS103	920421104058	MANOJKUMAR.R	IZAPY, Zoho
55	A	21UCS038	920421104022	GANNIGAA.S	Infosys, Vinsinfo
56	A	21UCS024	920421104029	HEMSHIKA HARINI DEVIC. S	Infosys
57	B	21UCS045	920421104113	VIGNESH.S	6F
58	B	21UCS026	920421104069	PAVITHRAN.R	6F



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

59	B	21UCS037	920421104057	MANIKANDAN.V	Aarvik Digital IT Solutions
60	B	21UCS107	920421104021	DINESH.S	Aarvik Digital IT Solutions
61	A	21UCS008	920421104003	AARON ARULRAJ.A	Sure Soft
62	B	21UCS050	920421104010	ASWINI.M	Sure Soft, Quintessence Business Solution, Roriri Software
63	A	21UCS098	920421104115	VISHNU.N	Sure Soft
64	B	21UCS059	920421104053	LITHIN.X	Kaashiv Info Tech, Chennai
65	B	21UCS100	920421104090	SARAVANAN.K	SJ Techvision Solutions
66	B	21UCS036	920421104102	SUNIL.P	SJ Techvision Solutions
67	A	21UCS094	920421104071	PERUMAL.V	Pranion Technology, Mitsuba
68	A	21UCS020	920421104040	KARUPPASAMY.S	GreenPixel Tech, Surandai
69	A	21UCS006	920421104004	ABINAYASARASWATHI.B	Mitsuba



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

70	B	21UCS057	920421104055	MAGATHI LAKSHMI.K	Mitsuba
71	A	21UCS015	920421104085	SAKTHISHIVASANKAR.K	Mitsuba
72	B	21UCS003	920421104036	JOHN RATHINAM.V	Vinsinfo
73	A	21UCS069	920421104050	KOWSALYA.C	Vinsinfo, Roriri Software, HCL
74	B	21UCS011	920421104044	KAYALVIZHI.R	Quintessence Business Solutions
75	B	21UCS093	920421104052	KRITHIKA DEVI.U	Quintessence Business Solutions
76	B	21UCS097	920421104083	ROOPA.S	Quintessence Business Solutions
77	B	21UCS110	920421104086	SAMSITHA.P.P.	Quintessence Business Solutions
78	B	21UCS048	920421104087	SANGEETHA.K	Quintessence Business Solutions, HCL
79	B	21UCS072	920421104012	BABYPREETHI.M.S	Quintessence Business Solutions



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

1	B	21UCS045	920421104113	VIGNESH.S	6F
2	B	21UCS026	920421104069	PAVITHRAN.R	6F
3	B	21UCS092	920421104074	PRAKASH.A	6F
4	B	21UCS037	920421104057	MANIKANDAN.V	Aarvik Digital IT Solutions
5	B	21UCS107	920421104021	DINESH.S	Aarvik Digital IT Solutions
6	B	21UCS088	920421104031	JABEZ JERIN.J	Centizien Tirunelveli
7	A	21UCS119	920421104065	NIRANCHANA SHREE.S.R.	Centizien Tirunelveli, CTS
8	A	21UCS067	920421104108	VASEEKARAN.S	Clustrex - Chennai
9	B	21UCS060	920421104084	RUTHICK SREE.S	Clustrex - Chennai
10	A	21UCS122	920421104303	KARTHIKEYAN. T.S.	Coding Bees, Maxelerator
11	B	21UCS071	920421104103	SURYA.A	Coding Bees,InfoSys
12	A	21UCS041	920421104023	GOVINDARAJAN.D	FACEPREP



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

13	B	21UCS123	920421104307	VASUDEVAN	FACEPREP
14	A	21UCS012	920421104088	SANGEETHA.K	FACEPREP
15	A	21UCS013	920421104028	HARSHINA SRI.M. G	FACEPREP
16	A	21UCS054	920421104056	MAHARANJITHAM.S	FACEPREP, Quintessence Business Solution
17	B	21UCS007	920421104072	PRABHU.B	FACEPREP, TERV
18	A	21UCS043	920421104064	NAVANEETHA KRISHNAN.A	FACEPREP, Quintessence Business Solution
19	A	21UCS020	920421104040	KARUPPASAMY.S	GreenPixel Tech, Surandai
20	B	21UCS078	920421104002	AAKASH KUMAR.B	HCL
21	B	21UCS105	920421104076	PRIYADHARSHINI.R	HCL
22	A	21UCS061	920421104063	NANDA GURU PANDIYAN.D	HCL
23	A	21UCS028	920421104110	VIGNESH KUMARAN.A	Hexaware
24	B	21UCS002	920421104005	ABIRAMI.V	i-Chainsys MDU



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

25	B	21UCS109	920421104006	ARUL KUMARAN.S	i-Chainsys MDU
26	B	21UCS019	920421104019	DHANASEKARAN.M	i-Chainsys MDU
27	B	21UCS064	920421104013	BALAJI.J	i-Chainsys MDU
28	B	21UCS095	920421104034	JEMIMA.K	i-Chainsys MDU
29	B	21UCS108	920421104042	KAVIYA.K	i-Chainsys MDU
30	B	21UCS009	920421104068	NITHYA SRI.M	i-Chainsys MDU
31	A	21UCS044	920421104078	PUNITHA BRIDJITH.A	i-Chainsys MDU
32	B	21UCS102	920421104079	RAJA ASWIN.T	i-Chainsys MDU
33	B	21UCS117	920421104101	SUGANESAN.D	i-Chainsys MDU
34	B	21UCS042	920421104107	THIRISHA.M	i-Chainsys MDU
35	A	21UCS024	920421104029	HEMSHIKA HARINI DEVI.C. S	Infosys
36	A	21UCS038	920421104022	GANNIGAA.S	Infosys, Vinsinfo



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

37	B	21UCS103	920421104058	MANOJKUMAR.R	IZAPY, Zoho
38	A	21UCS023	920421104118	YASWANT.R	IZAPY,Mitsuba,Aarvik
39	B	21UCS059	920421104053	LITHIN.X	Kaashiv Info Tech, Chennai
40	A	21UCS101	920421104014	BANU SUBIKSHA.M	Kaaviyan Systems-VNR
41	A	21UCS010	920421104018	DEEPAN SAKKARAVARTHI.S	Kaaviyan Systems-VNR
42	A	21UCS106	920421104097	SIVARANJANI.S	Kaaviyan Systems-VNR
43	A	21UCS068	920421104116	VISHVA.K	Kaaviyan Systems-VNR
44	B	21UCS049	920421104104	SWATHI.R	Kaaviyan Systems-VNR
45	B	21UCS001	920421104015	BARATH DAVID.S.R	Kaaviyan Systems-VNR
46	A	21UCS082	920421104096	SIVA.K	Maxelerator
47	A	21UCS006	920421104004	ABINAYASARASWATHI.B	Mitsuba
48	B	21UCS057	920421104055	MAGATHI LAKSHMI.K	Mitsuba



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

49	A	21UCS015	920421104085	SAKTHISHIVASANKAR.K	Mitsuba
50	B	21UCS065	920421104001	AAKAASH KUMAR.M	Novacis Digital-Chennai
51	A	21UCS034	920421104066	NIRANJANA.P	Novacis Digital-Chennai
52	B	21UCS056	920421104041	KATHIRVEL.A	Novacis Digital-Chennai
53	B	21UCS058	920421104100	SRIRAM RATHINAVEL.P	Novacis Digital-Chennai
54	A	21UCS094	920421104071	PERUMAL.V	Pranion Technology, Mitsuba
55	B	21UCS011	920421104044	KAYALVIZHI.R	Quintessence Business Solutions
56	B	21UCS093	920421104052	KRITHIKA DEVI.U	Quintessence Business Solutions
57	B	21UCS097	920421104083	ROOPA.S	Quintessence Business Solutions
58	B	21UCS110	920421104086	SAMSITHA.P.P.	Quintessence Business Solutions
59	B	21UCS072	920421104012	BABYPREETHI.M.S	Quintessence Business Solutions
60	B	21UCS048	920421104087	SANGEETHA.K	Quintessence Business Solutions, HCL



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

61	B	21UCS039	920421104035	JESWANTH.S	Relevantz-MDU
62	B	21UCS099	920421104043	KAVYA SRI VAIPAVA.S	Relevantz-MDU
63	A	21UCS114	920421104062	MUKESH.N	Relevantz-MDU
64	A	21UCS084	920421104067	NITHIS BANGARU.B	Relevantz-MDU
65	A	21UCS079	920421104105	THANGA BALAJI.P	Relevantz-MDU
66	B	21UCS030	920421104117	VISHWESHWARAN.E	Relevantz-MDU
67	A	21UCS035	920421104093	SHIVAKUMARAN.S	SANMINA
68	B	21UCS086	920421104046	KESAVAN.R	SANMINA
69	A	21UCS090	920421104075	PREETHI.K	SANMINA
70	A	21UCS113	920421104073	PRAGADEESWARAN.S	SANMINA
71	B	21UCS089	920421104077	PRUTHIVIRAJ.M	SANMINA
72	B	21UCS126	920421104302	ARUN KUMAR.S	SANMINA



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

73	B	21UCS075	920421104025	HARI PRASATH.C	SANMINA
74	B	21UCS040	920421104017	BHARATHY.S	SANMINA
75	A	21UCS018	920421104091	SATHEESHKUMAR.V	SANMINA
76	B	21UCS070	920421104095	SHYAM SREERAM.N	SANMINA
77	B	21UCS036	920421104102	SUNIL.P	SJ Techvision Solutions
78	B	21UCS100	920421104090	SARAVANAN.K	SJ Techvision Solutions, VPG
79	A	21UCS005	920421104081	RAJESWARI.R	SKILL MINE
80	B	21UCS063	920421104099	SRI SHARAN PRAKASH.S	SKILL MINE
81	A	21UCS008	920421104003	AARON ARULRAJ.A	Sure Soft
82	A	21UCS098	920421104115	VISHNU.N	Sure Soft
83	B	21UCS050	920421104010	ASWINI.M	Sure Soft, Quintessence Business Solution, Roriri Software
84	B	21UCS076	920421104011	ASWINI.R	TechVolts Software Pvt. Ltd, Coimbatore



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

85	A	21UCS022	920421104048	KISHOR.P	TechVolts Software Pvt. Ltd, Coimbatore
86	B	21UCS104	920421104061	MOHANA PRAKASH.G	TechVolts Software Pvt. Ltd, Coimbatore
87	A	21UCS051	920421104070	PAVITRA RAO.S	TERV
88	A	21UCS062	920421104047	KIRUTHIKA.S	TERV, Mitsuba, HCL
89	B	21UCS073	920421104094	SHIYAM.A	TERV, VPG
90	A	21UCS081	920421104008	ASATH SUGAINA.A	Trivine Technology
91	B	21UCS003	920421104036	JOHN RATHINAM.V	Vinsinfo
92	A	21UCS069	920421104050	KOWSALYA.C	Vinsinfo, Roriri Software,HCL
93	B	21UCS027	920421104039	KARSHANVICTOR JOSH.T	VPG INDIA PVT LTD
94	B	21UCS032	920421104112	VIGNESH.S	VPG INDIA PVT LTD
95	B	21UCS033	920421104109	VIDHYA.S	VPG INDIA PVT LTD
96	A	21UCS046	920421104092	SHEIK ABDHULLA.R	VPG INDIA PVT LTD



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

97	A	21UCS085	920421104059	MARY SELJA.J	VPG INDIA PVT LTD
98	A	21UCS083	920421104054	MADHURAM.S	VPG INDIA PVT LTD, Maxelerator
99	A	21UCS016	920421104037	JONES SIMEON.D	WIZINOA
100	A	21UCS025	920421104032	JANA VIKRAM.K.M. S	Xmplar - MDU
101	A	21UCS052	920421104119	YOGESHWARAN.R	Xmplar - MDU
102	A	21UCS080	920421104082	RISHIKESH.C	Xmplar - MDU
103	A	21UCS111	920421104007	ARUN KUMAR.K	Xmplar - MDU
104	A	21UCS116	920421104049	KOUSHIKAN.S	Xmplar - MDU
105	A	21UCS077	920421104026	HARIHARAN.C	ZOHO
106	A	21UCS129	920421104304	MUNIESH VIJAY	ZOHO



(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 | March & April

VOLUME 2 | ISSUE 1

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**STUDENT  
ARTICLES**

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Data Visualization Techniques an Effective Business Intelligence



Data visualization is a cornerstone of business intelligence (BI), transforming complex datasets into clear, actionable insights. By using visual representations such as charts, graphs, heatmaps, and dashboards, organizations can quickly identify trends, patterns, and anomalies that may remain hidden in raw data. Techniques like bar charts, line graphs, and scatter plots are foundational tools that allow decision-makers to compare variables, track performance metrics, and detect correlations. Advanced visualizations, such as tree maps, network diagrams, and interactive dashboards, provide deeper understanding, enabling businesses to make informed strategic decisions, optimize operations, and improve overall efficiency.

Modern BI relies heavily on interactive and real-time visualizations. Tools like Tableau, Power BI, and Qlik Sense allow users to drill down into data, filter information dynamically, and explore insights without technical expertise. Heatmaps, geographic maps, and KPI dashboards make large volumes of data digestible and actionable. These techniques empower businesses to monitor performance, detect outliers, and forecast future trends. Real-time visualization is especially critical for industries like finance, retail, and logistics, where timely decisions can significantly impact revenue, operations, and customer satisfaction, making visualization a strategic asset.



Godwin Samraj G

III CSE B

23UGS008

Data visualization also enhances communication and collaboration across organizations. Clear visuals bridge the gap between technical analysts and non-technical stakeholders, facilitating better understanding and faster decision-making. Storytelling with data, through interactive dashboards or presentations, allows teams to convey insights persuasively. Moreover, integrating predictive and prescriptive analytics with visual tools enables businesses to anticipate challenges and take proactive measures. By combining effective visualization techniques with robust BI strategies, organizations can gain a competitive edge, improve operational efficiency, and make data-driven decisions that drive long-term growth and success.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



The 21st century presents unprecedented environmental challenges. Climate change, pollution, deforestation, and wildlife loss are no longer distant threats—they impact daily life. Rivers are polluted, cities are heating up, and countless species are struggling to survive. Environmental awareness is more than knowing these problems; it is realizing how our choices—what we eat, how we travel, and how we consume resources—affect the planet. History teaches us lessons, from Indigenous communities' harmony with nature to the Industrial Revolution's destructive growth, and awareness must lead to action, guided by knowledge, ethics, and a desire to protect Earth. Innovation and technology are essential tools for environmental protection: artificial intelligence predicts deforestation and optimizes agriculture, IoT sensors track pollution and resource use, and projects like vertical farms, solar roads, and The Ocean Cleanup demonstrate practical solutions to restore ecosystems. Yet, technology alone is insufficient—policies, international agreements, and collective action are equally vital.

Programs like the UN Sustainable Development Goals, India's National Solar Mission, and the European Green Deal exemplify responsible governance, while businesses like Tesla and Beyond Meat show that sustainability and profitability can coexist, inspiring widespread adoption of eco-friendly practices. The vision for 2050 is a sustainable, vibrant world: cities with green rooftops and vertical farms, renewable energy-powered transport, and oceans free of plastic, teeming with life. Achieving this future requires small, consistent actions: reducing single-use plastics, conserving energy, choosing plant-based foods, and supporting eco-friendly businesses. Environmental awareness, combined with innovation, policy, and everyday responsibility, can transform societies, economies, and cities. Green innovation is not just about saving the planet—it is about creating a future where humanity, technology, and nature coexist in harmony, ensuring a thriving, resilient home for generations to come.



SANJHAI M L

II-CSE-B

24UCS139

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Article on "How AI Is Revolutionizing UI/UX Design: From User Research to Real-Time Personalization"



Artificial Intelligence is reshaping the foundation of UI/UX design by transforming how digital products understand and interact with users. Traditional design relied heavily on human intuition and static research, but AI introduces data-driven precision and adaptive intelligence. Through advanced algorithms, designers can now analyze massive volumes of behavioral data, detect hidden usage patterns, and predict user needs even before they are expressed. This shift from reactive to proactive design enables the creation of interfaces that are not only visually appealing but also contextually intelligent, driving smoother user journeys and significantly enhancing overall engagement. AI-powered tools such as predictive analytics, natural language processing, and computer vision are redefining how designers conduct user research and prototype interfaces. Instead of relying solely on manual feedback loops, designers can leverage machine learning to generate insights instantly and test variations through automated A/B analysis. Chatbots and voice assistants have introduced conversational interfaces that respond in real time, reshaping the traditional notion of interaction. Moreover, generative AI now assists in creating wireframes, layouts, and color schemes aligned with accessibility standards, accelerating the design cycle and ensuring a more inclusive and user-centric experience.

The future of UI/UX lies in hyper-personalization — crafting experiences that evolve dynamically with every user interaction. AI makes this possible through real-time data interpretation, adapting content, layout, and functionality based on individual behavior and preferences. This evolution marks a transition from “designing for users” to “designing with users,” where interfaces continuously learn and improve. As AI continues to mature, ethical considerations like transparency and data privacy will define responsible design practices. Ultimately, the fusion of AI and UX promises a digital ecosystem where technology genuinely understands and responds to human intent with empathy and intelligence.



R.Harini  
III CSE B  
23UCS170



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**STAFF  
ARTICLES**

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Article on “Agentic AI and the Dawn of Autonomous Problem-Solving”



The emergence of agentic AI marks a pivotal moment in technological evolution. Unlike traditional artificial intelligence systems, which rely on explicit instructions and limited automation, agentic AI possesses the ability to reason, plan, and act independently. Leveraging advanced machine learning, natural language understanding, and memory-based reasoning, these systems can manage multi-step tasks, make real-time decisions, and optimize workflows with minimal human intervention. From scheduling complex projects to analyzing large datasets, agentic AI reduces human workload, allowing professionals to focus on strategic and creative pursuits. This technology is redefining the very nature of human-computer collaboration.



Enterprise adoption of agentic AI is rapidly expanding across industries. Cloud-based AI agents are integrated into workflows, automating repetitive and data-intensive tasks while providing actionable insights. Organizations are deploying these systems for email management, report generation, and operational optimization, dramatically improving efficiency and productivity. Partnerships between hardware manufacturers, cloud providers, and software developers are driving the creation of custom AI chips, enabling faster, secure, and reliable performance. Simultaneously, lightweight AI models are becoming accessible on personal devices, democratizing intelligence and allowing users to benefit from autonomous problem-solving without dependency on powerful cloud infrastructure.



## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Beyond business, agentic AI is transforming daily life and societal functions. In healthcare, AI systems assist in diagnostics, treatment planning, and predictive risk assessment. Education benefits from personalized learning paths, while consumer services leverage AI for shopping recommendations, travel planning, and home automation. By taking initiative and solving complex problems independently, agentic AI fosters efficiency, personalization, and innovation. As these intelligent systems evolve, they are not only enhancing productivity but also redefining the boundaries of human potential, heralding a new era where autonomous problem-solving drives progress across sectors and communities worldwide.



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