

CSE PLUG IN

DEPARTMENT OF COMPUTER SCIENCE & 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.Vellakullam - 626 701 (Near VIRUDHUNAGAR)



NEWSLETTER | SEP & OCT 2022
VOLUME 2 | ISSUE 14

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VISION OF THE INSTITUTION

To make this Institution the unique of its kind in the field of Research and Development activities in this part of world.

MISSION OF THE INSTITUTION

To impart highly innovative and technical knowledge to the urban and unreachable rural student folks through "Total Quality Education".

QUALITY POLICY

Committed to impart Quality Technical Education imbued with proficiency, human values and continual improvement.

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".

PROGRAM EDUCATIONAL OBJECTIVES

PE01

Apply the necessary mathematical tools and fundamental knowledge of computer science & engineering to solve variety of engineering problems.

PE02

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

PE03

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.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PS01

Professional 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.

PS02

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.

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 imparting 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 higher configuration systems and servers with the recent software updates 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 the student's performance regularly and give moral support and motivation to them. Our department has a separate association called CYBER-HEFT through which we conduct various technical events to students.

HEAD OF THE DEPARTMENT

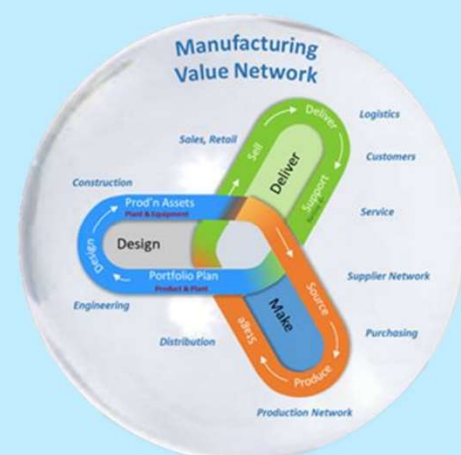
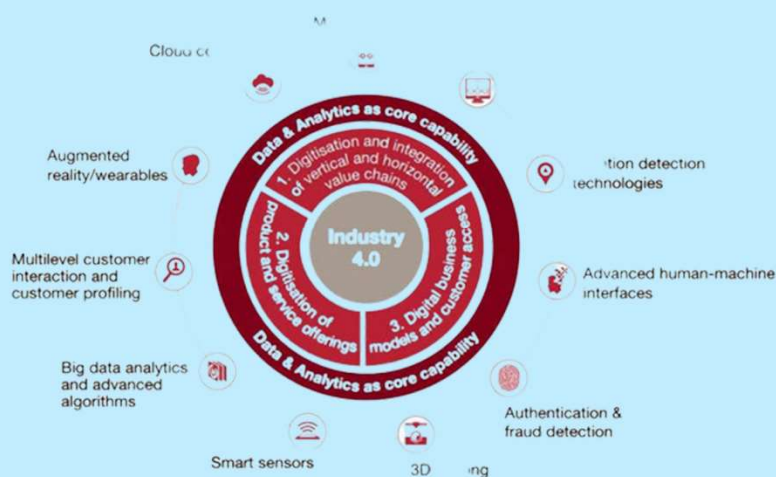
Dr.A.Meenakshi, Head of the Department, Computer Science and Engineering since 2020. She received her Doctorate in Information and Communication Engineering from Anna University, Chennai. Her area of interest includes data structures and algorithms. She has published around 12 international journals and 40 papers in National and International conferences for her credit. She has given guest lecture in various institutions.



ARTICLE 14.0

The fourth industrial revolution, known as Industry 4.0, advances mass production technology that may be customized and flexible while also increasing automation of manufacturing processes. Figure 1 depicts the "smart factory" that is created by Industry 4.0. There, cyber-physical systems may monitor physical processes, reproduce the physical environment virtually, and make decentralized judgments. Cyber-physical systems collaborate and interact with one another in real time across the Internet of Things, as well as with people. Simply saying, industry 4.0 enables the machines to think on its own and take decisions based on the real time situations. With Industry 4.0, wasteful processes and behaviors can be reduced, and the utilization of energy and other inputs can be optimized. This is accomplished by gathering data, analyzing it, and using the analysis to enhance how well machines, factories, and systems work. Platforms for pre-competitive cooperation in Industry 4.0 have been developed by countries such as Germany, France, China, and the USA. These countries are looking to automation and control to replace expensive labour and achieve cheaper conversion costs in order to reclaim some of the manufacturing market share that emerging economies once had. However, the focus of the Indian Industry 4.0 initiative is on embracing I4.0 technology with the most recent technical breakthroughs and leveraging technology to manufacture items for the global markets at competitive pricing. Figure 2 shows several technologies that make up I4.0.

Industry 4.0 framework and contributing digital technologies



Implication of Industry 4.0 on Manufacturing

- Automated OEE(Overall Equipment Effectiveness) data
- Process & Quality Management
- Effective Production Planning
- Predictive Maintenance & Machine Life check
- Downtime Analysis for finding the root causes of frequent problems.
- Better utilization of Manpower

Jothi Lakshmi AP-CSE

RESEARCH ACTIVITIES

Research Proposals Sanctioned/Submitted by faculty members:

S. No.	Name of the Principal Investigator/ Co-Investigator	Project Title	Funding Agency	Project Duration	Project Cost	Project Status (Ongoing /Completed)
1.	Dr.G.Uma Maheswari (PI) Dr.A.Meenakshi (Co-PI)	Investigation of Supervised Learning Algorithms for Preventing Security Threats in IoT Applications	SERB	3 Years	Rs.27,89,672	Submitted
2.	Dr.R.Muthuselvi (PI) Dr.G.Nirmala (Co-PI)	Remote health monitoring and providing service to rural patients for Tuberculosis (TB) using mobile robots"	SERB	3 Years	Rs.30,00,000	Submitted

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FACULTY ACHIEVEMENTS

Honours /Awards by Faculty members:

S. No.	Name of the faculty member	Details of the Award	Awarded by	Month & Year
1.	Dr.R.Ramya	Silver medal with a score of 85% in the NPTEL online certification course on "Python for Data Science	NPTEL	October & 2022

EVENTS ORGANIZED

S. No.	Name of the Programme	Date	Sponsoring Authority, if any	No. of Participants	Resource Persons/ Chief Guest	Coordinators
1.	Workshop on automated testing using Selenium tool.	14.10. 2022	-	39 students from III CSE A and B	Mrs.B.Santhi Priya, AP/CSE KCET	Dr.G.Nirmala , Mrs.B.Santhi priya
2.	One Day Workshop on "Data Warehousing and Data Mining Applications"	15.10. 2022	ISTE, KCET	50 students from II CSE A and B&AIDS	Dr.E.Siva sankar Assistant professor- CSE, NIT Trichy	Mr.B.Muthu Krishna vinayagam, Mrs.K.Leelarani , Ms.S.Shopika

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3.	Student Peer Enablement Programme on "Customized Ideas on Web Hosting"	18.10.2022	-	All the third year CSE students	S.Venkatesh, E.Basil Tamil Selvan & III-CSE-A	Mr.V.Rajesh Kannan, Mrs.Ignatius Selvarani.
4.	The Orientation Program for Coding Club	27.10.2022	-	123 Students from various departments	Mr.B.Muthu Krishna vinayagam, Mrs.Sanathi priya, AP/CSE	Mr.B.Muthu Krishna vinayagam, Mrs.Sanathi priya

STUDENT ACHIEVEMENTS

Symposium / Conference / Contest

S. No.	Name of the Student & Year	Name of the Programme	Date	Organizing Institution	Participated / Presented	Prizes Won
1.	S.Sahanarini & III Year CSE A	Youth Talk Madurai Region 2022.	7.10.2022	PSNA College of Engineering & Technology, Dindigul	Participated	Second Prize

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2.	N.Deepika Shri & II Year ADS	Paper Presentation at the National Level Technical Symposium "EEEROXIA 22"	8.10. 2022	Sri Vidya College of Engineering & Technology	Presented	Second Prize
		Photography at the National Level Technical Symposium "EEEROXIA 22"		Sri Vidya College of Engineering & Technology	Participated	First Prize
3.	Nattrinai & II AIDS	Talk show- Competition	10.10. 2022	Award City Toasmasters Club, Virudhunagar	Participated	First Prize
4.	Siva Sarathi & II AIDS	Talk show- Competition	10.10. 2022	Award City Toasmasters Club, Virudhunagar	Participated	Second Prize
5.	S.Kiruthika & II CSE	District level Yoga competition	11.10. 2022	Virudhunagar District Yogasana Association, Virudhunagar	Participated	Fifth Place
6.	S.S.Sarvash, A.Praveen, M.S.Venkatesh Kannan & III Year CSE 'B'	State Level Symposium GenNext 2022, Event Name: Projectastic	14.1. 2022	Velammal College of Engineering and Technology, Madurai.	Participated	First Prize Cash Rs.1000

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7.	G.R. Nithish Kumar , K.S. Naveen Arya & III Year CSE 'B'	State Level Symposium GenNext 2022, Event Name : Irrelevant Reply	14.1. 2022	Velammal College of Engineering and Technology, Madurai	Participated	First Prize Cash Rs.500
8.	M.Daniel, U. Gowtham & III Year CSE 'B'	State Level Symposium GenNext 2022, Event Name : Terminator				Second Prize Cash Rs.100
9.	P.Krishna Harini & II Year CSE	TG3 Coding Challenge Open Round - Hackathon 2022	26.1. 2022	TechGig.com	Participated	25686 Rank in Python & outstanding performance award

2019-2023 Batch Student's Placement**1. Centizen placed student list:**

S.No	Roll no	Name	Dept.
1.	19UCSE013	KARTHIK.M	CSE
2.	19UCSE029	AATHAVAN.A.M	CSE
3.	19UCSE040	DIVYA SHREE.R.R	CSE
4.	19UCSE071	SUBRADEEPA.T.P	CSE
5.	19UCSE102	JANASRI.V	CSE
6.	19UCSE017	PRAWIN KUMAR.C	CSE
7.	19UCSE054	KATHIR MATHAVAN.L	CSE
8.	19UCSE099	MAHARAJAN.M	CSE

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2. Xmplar placed student list:

S.No	Roll no	Name	Dept.
1.	19UCSE026	ADITHYAN.I	CSE
2.	19UCSE029	AATHAVAN.A.M	CSE
3.	19UCSE054	KATHIR MATHAVAN.L	CSE
4.	19UCSE003	NAVEEN.R	CSE
5.	19UCSE089	MOHANA KRISHNA.S	CSE
6.	19UCSE049	HARIHARAN.N.T	CSE

3. VINS INFO placed student list:

S.No	Roll no	Name	Dept.
1.	19UCSE007	MONISHA.M	CSE
2.	19UCSE015	UMA MAHESHWARI.S	CSE
3.	19UCSE060	RAM PRASANTH.P	CSE
4.	19UCSE062	UMA MAHESHWARI.M	CSE
5.	19UCSE068	GANESH GURU.A	CSE
6.	19UCSE024	HARIPRASAD.V	CSE
7.	19UCSE065	SUJITH GEO.B	CSE

4. CTS placed student list:

S.No	Roll no	Name	Dept.
1.	19UCSE025	PONMATHI.R	CSE
2.	19UCSE044	ANGELINE REBECCA.S	CSE
3.	19UCSE083	KISHORE KKUMAR.V	CSE
4.	19UCSE080	JEYASHREE.R	CSE
5.	19UCSE058	SENBAGARAJAPANDI.M	CSE
6.	19UCSE023	STEPHEN.S	CSE
7.	19UCSE029	AATHAVAN.A.M	CSE
8.	19UCSE022	SUBHIKSHA.M	CSE
9.	19UCSE054	KATHIR MATHAVAN.L	CSE
10.	19UCSE081	SATHISH KUMAR.V	CSE
11.	19UCSE094	DEVA DHARSHINI.S	CSE

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5. Unifo placed student list:

S.No	Roll no	Name	Dept.
1.	19UCSE008	AJAY KRISHNAN.B	CSE
2.	19UCSE015	UMA MAHESHWARI.S	CSE
3.	19UCSE053	ARAVINTH.K	CSE
4.	19UCSE078	TORFE RAAJ.A	CSE
5.	19UCSE082	HARIHARAN.G.S	CSE
6.	19UCSE024	HARIPRASAD.V	CSE
7.	19UCSE041	VISHNU KUMAR.T.R	CSE
8.	19UCSE042	NIXON JOSHWA.S	CSE
9.	19UCSE065	SUJITH GEO.B	CSE
10.	19UCSE093	ANIMA.U	CSE

6. Blue Cloud placed student list:

S.No	Roll no	Name	Dept.
1.	19UCSE011	DINESH.A.N	CSE

7. Cella soft placed student list:

S.No	Roll no	Name	Dept.
1.	19UCSE064	SAKTHI GANESH.A	CSE

8. Tring Apps placed student list:

S.No	Roll no	Name	Dept.
1.	19UCSE042	NIXON JOSHWA.S	CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Total Offers

Batch	Total number of students	Unique Offers	Total Offers (Inclusive of Dual Offers)	Placement Percentage (Total Strength)
2019-23	105	50	64	60.9%

EDITORIAL TEAM

ADVISORY BOARD

Dr. A.Meenakshi, HoD-CSE

Mrs. K.Leelarani, AP-CSE

STUDENT MEMBERS

R. Yogesh, Stu - CSE

A. Natheesh, Stu - CSE