

# CSE MILESTONE

## VOLUME:2

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EVENSEM

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## VISION AND MISSION

CARE College of Engineering

Transform lives through Education and Research

## MISSION OF THE INSTITUTION

We develop in each member the ability and passion to work effectively for the betterment of humanity with cultural awareness, high ethical and moral values and a sense of social responsibility



## DEPARTMENT VISION

To Create Computer Science Engineers through Quality Education and Research.

## DEPARTMENT MISSION

To impart Problem Solving, Innovative and Entrepreneurship with sound knowledge in Computer Science and Engineering.

To establish a Research Centre where students can present their research ideas.

To develop Moral, Ethical Values and Social Responsibility to the students

## PROGRAM EDUCATIONAL OBJECTIVE (PEO'S)

PEO 1 - To enable graduates to pursue higher education and research, or have a successful career in industries associated with Computer Science and Engineering, or as entrepreneurs.

PEO 2 - To ensure that graduates will have the ability and attitude to adapt to emerging technological changes.

## PROGRAM SPECIFIC OBJECTIVE (PSO'S)

PSO 1 - Analyze, Design and develop computing solutions by applying foundational concepts of computer science and Engineering.

PSO 2 - Apply software engineering principles and practices for developing quality software for scientific and business applications.

PSO 3 - Adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions to existing/Novel problems.

## PROGRAM OUTCOMES (PO'S)

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 using first principles of mathematics, natural sciences, and engineering sciences.

PO3 - Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

## PROGRAM OUTCOMES (PO'S)

CARE College of Engineering

PO4 - Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 - Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 - The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 - Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 - Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 - Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 - 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.

PO11 - 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.

PO12 - Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

## LEADERSHIP

### CEO'S MESSAGE



**Mr. Prative Chend B.,**  
CEO

I am filled with immense pride and admiration for the achievements and progress made by the Computer Science and Engineering department. This period has been marked by resilience, innovation, and a steadfast commitment to excellence.

As we move forward, I am confident that the Computer Science and Engineering department will continue to thrive and innovate. The challenges we face today are opportunities for tomorrow's breakthroughs. Let us remain steadfast in our pursuit of knowledge, innovation, and excellence.

Together, we are shaping the future of technology and making a positive impact on society.

Thank you, and I look forward to celebrating many more successes with you all.

Warm regards,

## LEADERSHIP

### PRINCIPAL MESSAGE



Dr. S. Shanthi  
Principal

I am delighted to acknowledge and celebrate the remarkable achievements and progress of our Computer Science and Engineering department. This semester has been a testament to the resilience, dedication, and innovative spirit that define our community.

The challenges we face today will undoubtedly lead to tomorrow's innovations. I encourage our students to remain curious, diligent, and passionate about their studies and research.

Together, we are building a brighter future and making significant strides in the field of computer science and engineering.

Thank you for your hard work and commitment. Let us continue to strive for excellence and make a positive impact on the world.

Warm regards,

## LEADERSHIP

### DEAN R&D MESSAGE



Dr. A. Pasumpon Pandian  
Dean R&D

I am filled with pride and optimism about the remarkable strides our Computer Science and Engineering department has made in research and development. This semester has been a period of significant achievements and innovative breakthroughs.

I extend my heartfelt gratitude to all members of the Computer Science and Engineering department for their dedication and hard work. Your contributions are not only advancing the field of computer science but also enhancing our institution's reputation.

Let us continue to strive for excellence and make significant contributions to the technological advancements of the future.

Warm regards,

## LEADERSHIP

### HOD MESSAGE



**Dr. J.Suresh**  
**HOD**

I am pleased to share the numerous accomplishments and the vibrant progress of our Computer Science and Engineering department. This semester has truly exemplified our commitment to excellence, innovation, and resilience.

I would like to extend my heartfelt gratitude to our faculty, staff, students, and alumni for their unwavering support and contributions. Together, we are building a dynamic and forward-thinking academic community that is making significant strides in the field of computer science and engineering.

Thank you for your hard work and commitment. Let us continue to strive for excellence and make a positive impact on the world.

Warm regards,

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# Design Thinking 101



# Workshop on “Creative Design 101”



1.



Department of Computer Science and Engineering in association with CSSA organizes a workshop on “Creative Design 101” on 26.02.2022,AN . Mr.Mohamed Mubasil K, Graphic Designer, Internest Agency and Mr.Mani Guru , Associate Graphic Designer, Internest Agency , accepted our invitation and will deliver the session.First year students of various department will take part in the session .The event is going to be held in Lab2 of CSE department.

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## Three days FDP on “Collective Technologies on AI & IoT with Security”



2.

<p><b>ABOUT THE FDP</b></p> <p>It is aimed to offer an up-to-date knowledge on technologies related to Artificial intelligence and IoT along with security concerns. The scope of Artificial Intelligence is to find smart solutions to existing problems in diverse fields such as Agriculture, Healthcare, Education and Infrastructure, Transport, Cyber Security, Banking, Manufacturing, Services, Hospitality, Entertainment.</p> <p>IoT is helping us progressively experience a tremendous amount of data from multiple sources. However, keeping record the multitude of data coming from countless IoT devices, makes it complex to collect, process and analyze the data. AI enabled IoT enables automated solutions that monitor, detect, analyze and respond to device malfunctions. Combining these two enables building the resource process and operations skills. While IoT deals with devices connecting along the network, AI makes the device sense from the data and responses.</p> <p><b>Resource Faculty</b></p> <ul style="list-style-type: none"> <li>Dr. S. Venkatesan, Asst. Prof., IIT Madras</li> <li>Dr. S. Mahala, Asst. Prof., IIT Madras</li> <li>Dr. P. Rajasekar, Asst. Prof., IIT Madras</li> <li>Dr. A. Lakshminarayanan, Prof. &amp; Head, IIT Madras</li> <li>Dr. S. Ganeshkumar, Asst. Prof., Anna University</li> <li>Dr. V. Ganeshkumar, Asst. Prof., Anna University</li> </ul>	<p><b>INFORMATION TO APPLICANTS</b></p> <p><b>Eligibility:</b> Faculty from Undergraduate, PG students and Research scholars can apply.</p> <p><b>Mode of FDP:</b> Online mode. Link will be shared after registration.</p> <p><b>Registration Fee:</b> Nil.</p> <p><b>Registration Link:</b> <a href="https://forms.gle/8K3K3K3K3K3K3K3K">https://forms.gle/8K3K3K3K3K3K3K3K</a></p> <p><b>Duration Dates:</b> 03.03.2022 to 05.03.2022</p> <p><b>Mode of Selection:</b> Online</p> <p><b>Max. No. Seats:</b> 100</p> <p>The applicants should send their registration form using the link <a href="https://forms.gle/8K3K3K3K3K3K3K3K">https://forms.gle/8K3K3K3K3K3K3K3K</a> along with Source Sheet of Personal.</p> <p><b>Payment Details:</b></p> <p>Organization: CARE COLLEGE OF ENGINEERING</p> <p>Account No: 00000000000000000000</p> <p>Branch: 000000</p> <p>IFSC Code: 00000000000000000000</p>	<p><b>Organized by</b> Department of Computer Science and Engineering <b>CARE COLLEGE OF ENGINEERING</b></p> <p>(Approved by AICTE &amp; Affiliated to Anna University)</p>
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Department of CSE ,in association with IEEE CARE Students Branch Madras Section ,planned to conduct a three days Faculty Development Program on “Collective Technologies on AI & IoT with Security” from 03.03.2022 to 05.03.2022 through online mode. Dr.S.Venkatesan,Assistant professor, IIT , Allahabad will deliver the inauguration address . Resource person from various universities such as IIT, VIT , Sathyabama are going to deliver the lecture.

The Department of Computer Science and Engineering (CSE) recently organized a comprehensive three-day Faculty Development Program (FDP) focused on "Collective Technologies on AI & IoT with Security." The program aimed to provide faculty members with insights into the integration of artificial intelligence (AI) and Internet of Things (IoT) technologies while emphasizing the importance of security considerations

The three-day FDP on "Collective Technologies on AI & IoT with Security" equipped faculty members with the knowledge and skills to navigate the intersection of AI, IoT, and cybersecurity. The CSE Department remains committed to organizing such capacity-building programs to foster excellence in teaching and research.

2021 - 2022





## Smart India India Hackathon 2022 - Internal Hackathon



The SMART INDIA HACKATHON 2022 - INTERNAL HACKATHON took place at CARE College of Engineering on 09.03.2022. During this event, participants presented and discussed innovative solutions for a range of problem statements. The hackathon served as a platform for students and tech enthusiasts to apply their skills and creativity to address real-world challenges. By actively engaging in this hackathon, participants not only demonstrated their problem-solving abilities but also contributed to the culture of innovation and problem-solving within the institution. The event was part of the larger SMART INDIA HACKATHON 2022 initiative, emphasizing the importance of technology and innovation in tackling contemporary issues. #sih2022 #smartindiahackathon2022



## Boot Camp on “Problem Solving & Communication Skills”



4.



The Department of Computer Science and Engineering (CSE) recently conducted a dynamic Boot Camp focused on "Problem Solving & Communication Skills." The intensive program aimed to equip participants with essential skills vital for success in academia, industry, and beyond.

Interactive workshops provided participants with strategies and techniques for effective problem-solving. Through hands-on exercises and case studies, attendees honed their critical thinking skills and learned how to approach complex problems methodically.

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Department of Computer Science and Engineering organized a two weeks boot camp program on "Problem Solving & Communication Skills" was conducted for the benefit of third year and final year CSE and ECE students from 15.03.2022 to 26.03.2022. Training on different programming languages such as Python, Java, C, C++, Web programming, Data structures, DBMS and also communication skills were given by the different faculty in CSE and English department.

2021 - 2022



CARE College of Engineering

## 8th National Level Technical Symposium- PULZATE 7E6



5.



The Computer Science and Engineering (CSE) Department recently hosted the 8th edition of its esteemed National Level Technical Symposium, PULZATE 7E6. The symposium served as a platform for students, faculty members, and industry professionals to engage in insightful discussions, knowledge sharing, and networking opportunities.

The 8th edition of PULZATE 7E6 was a resounding success, showcasing the vibrant culture of innovation and excellence within the CSE Department. The symposium provided a valuable opportunity for students and professionals to exchange ideas, explore new technologies, and contribute to the advancement of the field.

2021 - 2022

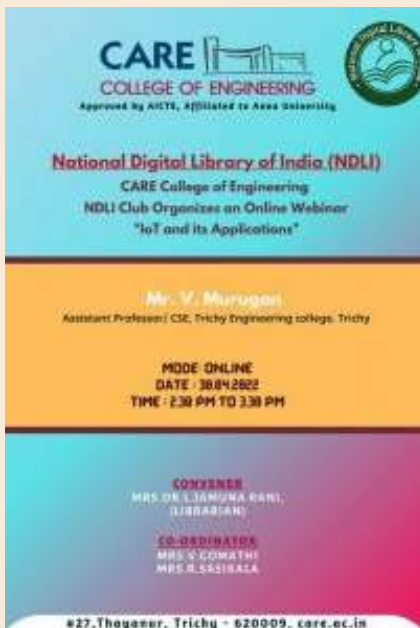
We, the department of Computer Science and Engineering & Artificial Intelligence and Data science are conducting a National Level Technical Symposium -Pulzate '7E6 on 28/04/2022 at our college.



## NDLI- Webinar on IoT and it's Applications



6.

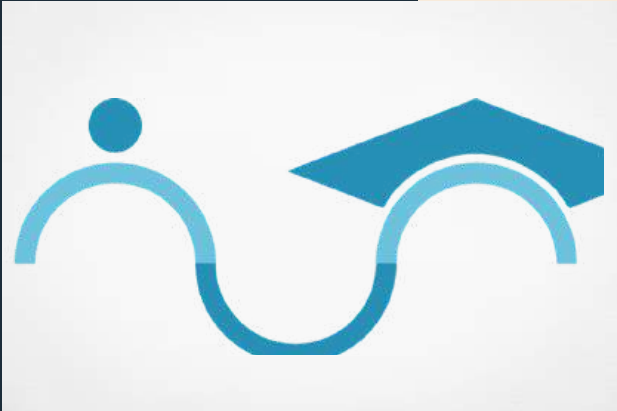


The webinar commenced with an overview of IoT, elucidating its foundational concepts, components, and architectural principles. The speaker explained how IoT enables seamless connectivity and data exchange among physical devices, leading to innovative applications and services.

Participants gained insights into the IoT ecosystem and the enabling technologies driving its evolution. From sensor networks and communication protocols to cloud computing and edge computing, the speaker explored the key components of IoT systems and their roles in realizing IoT solutions.

2021 - 2022

National Digital Library of India (NDLI) club organizes an online webinar on “IoT and it’s Applications” through online mode on 30.04.2022. Mr.V.Murugan, Associate Professor, CSE , Trichy Engineering College delivers the seminar.



## ALUMNI Interaction



The Department of Computer Science and Engineering (CSE) recently organized an Alumni Interaction session aimed at fostering connections between current students and alumni. The event provided a valuable platform for alumni to share insights from their professional journeys, offer career advice, and inspire the next generation of CSE graduates.

Alumni shared their career trajectories, highlighting key milestones, challenges, and learning experiences. From startup founders to industry leaders, panelists offered valuable insights into navigating the dynamic landscape of technology and entrepreneurship.

Mr.B.Veera ,Alumni of our CSE department , belongs to 2011-2015 batch who is working as a 3D Game Artist in Ysecit Software Technologies Pvt Ltd gave a awareness program on “Current Technologies” to the CSE and AIDS department students.This program was conducted on 09.05.2022 and he gave a feedback as students are more interested and need workshop in future.

2021 - 2022



# Boot Camp on Cyber Security



8.



Department of Computer Science and Engineering in association with TRIDENT INFO SEC organised a four days boot camp program on “Cyber Security” through online form 24.05.2022 to 27.05.2022. Mr.M.M.Vishnu Vardhan ,CISM CISA CIPR CEH, Principal Trainer & Consultant , TRIDENT INFO SEC , conducted the training program and help the students for kick starting their career with entry-level positions in the areas related to network and security administration,

2021 - 2022