

CSE MILESTONE

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EVEN SEM

CSE



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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

Emerge as a renewed department for globally competent Computer Science Engineers.

DEPARTMENT MISSION

To impart quality education, problem solving and Entrepreneurship skills in Computer Science and Engineering.

To facilitate research based innovative projects in Computer Science and Engineering

To develop Moral, Ethical Values and Social Responsibility among the students..

2023 - 2024

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 delighted to reflect on the remarkable progress and achievements within our Computer Science and Engineering department. This period has been defined by innovation, resilience, and a continued commitment to academic and research excellence.

extend my deepest gratitude to our faculty, staff, and students 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,

LEADERSHIP

PRINCIPAL'S MESSAGE



Dr. S. Shanthi
Principal

I am delighted to share the outstanding accomplishments and advancements within our Computer Science and Engineering department. This period has been marked by innovation, dedication, and a relentless pursuit of excellence.

I extend my heartfelt gratitude to our faculty, staff, and students 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,

LEADERSHIP

DEAN R&D'S MESSAGE



Dr. A. Pasumpon Pandian
Dean R&D

I am delighted to share the remarkable achievements and advancements within our Computer Science and Engineering department. This period has been characterized by groundbreaking research, innovative projects, and a steadfast commitment to excellence.

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 through our research.

Warm regards,

LEADERSHIP

HOD MESSAGE



Dr. J.Suresh
HOD

I am thrilled to share the exciting developments and accomplishments within our Computer Science and Engineering department. This period has been marked by innovation, collaboration, and a steadfast commitment to academic excellence.

Together, we are building a thriving community that is making significant strides in the field of computer science and engineering.

Thank you for your continued hard work and commitment. Let us strive for excellence together!

Warm regards,

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Seminar on “SOFTWARE TESTING TOOLS”



1.



The Seminar on "Software Testing Tools" was Organised by CSSA and IEEE. It was held on 20-02-2024 in S-CR- F03 for III year CSE Students around 62 students participated. The Resource Person is Mr. Nithish, Test Engineer, Green Soft Groups, Trichy delivered the Session from 10.00 AM to 11.30 AM through offline Mode.



Software testing tools are indispensable assets for computer science and engineering students, offering them the means to develop high-quality, reliable, and robust software solutions. By understanding the functionalities, significance, and best practices associated with these tools, students can enhance their skills, prepare for careers in software development, and contribute to the advancement of the field. Empowering students with software testing tools is not only essential for their academic success but also for their readiness to tackle the challenges and opportunities of the ever-evolving software industry.



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Value Added Course on "Hands-on Python Code Training"



2.



The VAC "Hands-on Python Code Training" was a resounding success, providing second-year CSE students with valuable skills and knowledge in Python programming. The interactive and practical approach adopted during the course ensured active participation and engagement from the participants.

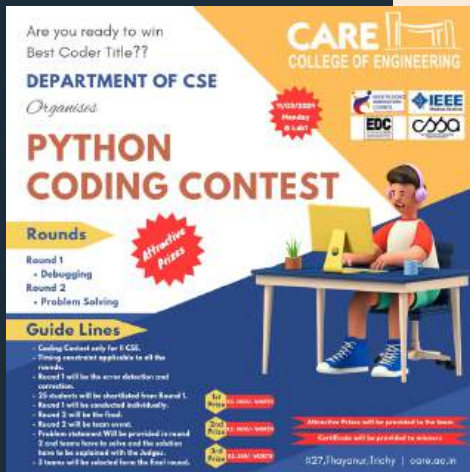


This not only equipped students with essential programming skills but also inspired them to explore further and pursue projects independently. Such value-added courses play a crucial role in supplementing academic learning and preparing students for the challenges of the modern tech industry.

The "Hands-on Python Code Training" workshop was to equip second-year Computer Science and Engineering (CSE) students with practical skills in Python programming.

2023 - 2024





"Python Coding Contest "



3.



The Python Coding Contest for second-year Computer Science and Engineering (CSE) students was organized with the aim of promoting programming skills, problem-solving abilities, and debugging techniques among participants.

The contest consisted of two rounds: Debugging and Problem Solving. It provided students with an opportunity to showcase their programming proficiency and compete in a challenging yet supportive environment.

For Round 1 Debugging : 117 Students Participated from that 30 students got selected for the second round.

For Round 2 Problem Solving: 5 students formed a group and given 10 problem statements given to each group each from that they selected 5 and solve and presented those statements. Based on those Three groups are selected and awarded Certificates.

Certificates was issued by CEO Sir and Principal Mam.

2023 - 2024



Workshop on “Generative AI”



4.



On March 16, 2024, the CARE College of Engineering hosted a workshop on Generative AI, led by Mr. Raju Kandaswamy from Thoughtworks.

Mr. Raju Kandaswamy explained why it's important to learn about Artificial Intelligence (AI) and how it's shaping our world.

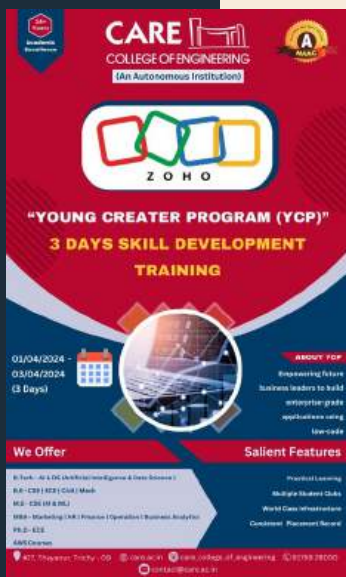
He talked about Large Language Models (LLMs), which are big AI systems that understand and generate human-like language.

He showed attendees how these models work and how to use them by giving them specific instructions, called prompts. He also introduced Google Colab, a tool that lets people work together on coding projects in the cloud, making it easier to try out AI techniques and algorithms.

Through hands-on activities and discussions, participants learned how AI can be applied in different areas and gained practical skills they can use to explore AI further.



2023 - 2024



CARE College of Engineering

Skill development training on Low Code development using Zoho creator



5.



Department of CSE in association with Zoho Young Creator program organized 3 days skill development training on Low Code development using Zoho creator application from 01.04.2024 to 03.04.2024.



The training aimed to equip participants with the necessary skills to leverage low-code platforms for application development efficiently.



The training on Low Code Development using Zoho Creator has equipped participants with valuable skills that they can apply in their future projects. Continued support and follow-up sessions are recommended to reinforce learning and encourage ongoing development.

2023 - 2024



CARE College of Engineering

Guest Lecture on “Cloud Service Management”



6.



Guest lecture on “Cloud Service Management” was arranged and successfully conducted for 3rd year CSE students on 03/04/2024 in the Forenoon session. Dr S. Sheik Ismail Navas, Cloud (AWS) certification trainer, KALVI HIGHER EDUCATION AND RESEARCH institute, Madurai was the resource person for this Guest Lecture session.

This Guest lecture is aimed to provide the enriched knowledge to 3rd year students on the subject CCS336- Cloud Service Management which is in Anna university curriculum.

55 students from CSE have benefited through this guest lecture session. Students have cleared their doubts by interacting with resource person.

2023 - 2024



One day Workshop on “Automated Testing Strategy”



On April 4th, 2024, the Department of CSE at CARE College of Engineering hosted a dynamic one-day workshop titled "Automated Testing Strategy."

This workshop aimed to equip IIIrd students with practical insights into Software Testing and Automation, using Selenium and TestNG frameworks.

It was a collaborative effort by both Greensoft Groups, Trichy, and Pyroferus Technologies, Chennai, by Mr.Somasundar, Vice President, shedding light on the significance of Software Testing Automation, Following the introduction, Mr.Allwin Felix K, Associate QA Engineer from Pyroferus Technologies, delved into the technical session.

Further enriching the session, K Bharathithasan, VP - Operations and Database Consultancy at Pyroferus Technologies, elucidated Database concepts.





CARE College of Engineering

Lecture Series “TALK’S 4 NXTGEN” Beyond AI Boundaries



8. The lecture series aimed to provide students with valuable insights into the future trends and technologies shaping various fields including Computer Science and Engineering (CSE), Artificial Intelligence and Data Science (AI&DS).

Mr. Sudhakaran Thirupathi's address covered a wide range of topics including emerging technologies, industry trends, and career opportunities for the next generation. His vast experience and knowledge added immense value to the event, enriching the learning experience for the attending students.

The event concluded successfully, leaving the students inspired and equipped with valuable insights to navigate the evolving landscape of their respective fields. We extend our heartfelt gratitude to Mr. Sudhakaran Thirupathi for his invaluable contribution to the Lecture Series on "Talk's 4 NextGen."



2023 - 2024



“Accelerated Skill Training Program”



9. the Accelerated Skill Training Program conducted by ZOHO-YCP trainers for students in the Department of Computer Science and Engineering. The program aimed to enhance students' skills in using low-code development tools and practical application building.

- To provide comprehensive training on low-code development using Zoho Creator.
- To enable students to create real-world applications efficiently.
- To foster collaborative learning and innovation among participants.
- The Accelerated Skill Training Program significantly enhanced the participants' capabilities in low-code development. The program fostered an environment of learning and collaboration, preparing students for future challenges in software development.



Master Trainers

- AGALYA A
- PRIYADHARSHINI E
- RIBA SHARON J
- SHANMUGA SRINITHI T
- ARUN KUMAR

26th April 2024





Guest Lecture on "Theory of Computation"



The guest lecture on Turing Machine for II year Computer Science and Engineering (CSE) students was conducted with great success at Lab 1 Dr. L.Josphine Usha, AP/CSE,SRM IST,Trichy. The lecture aimed to introduce students to the fundamental concept of Turing Machines, a cornerstone in the theory of computation.

The session began with an introduction to the concept of Turing Machines, elucidating their significance in theoretical computer science and their role in defining computability.

Throughout the session, students actively participated in discussions and posed insightful questions, demonstrating their engagement with the topic. The lecture concluded with a recap of key concepts and their relevance to the field of computer science.

2023 - 2024





Guest Lecture on “Advanced Topics in DBMS”



Guest lecture on “Advanced Topics in DBMS” was arranged and successfully conducted for 2nd year CSE (‘A’ and ‘B’) students on 08/05/2024 in the Forenoon session.

Dr N. Saranya, Assistant Professor, SRM University, Trichy was the resource person for this Guest Lecture session.

This Guest lecture is aimed to provide the enriched knowledge to 2nd year students on the subject CS3492- Database Management Systems which is in Anna university curriculum. In this session, the Distributed Databases, Query optimization and advanced topics like NoSQL Databases, CAP theorem and Graph based Databases are delivered through this guest lecture.

Resource person Dr. N.Saranya explored the guest lecture session on the topics CAP theorem and Graph based Databases. Around 111 students from CSE have benefited through this guest lecture session. Students have cleared their doubts by interacting with resource person.



Guest Lecture on “Mobile OS”



12.



Guest lecture for the Academic Year (2023-24 Even sem) for II Year (Batch: 2022 – 2026) was organized by CSE department on 01.06.24 from 09.30am to 11.30am. The major objective of the program was to make the students to know the academic aspects of the theory subject “CS3451- Introduction to Operating Systems” and provided an exposure about the iOS, Android OS and Virtual Machines.

Resource person Ms.Kamatchi, Product Head, Mr.Guruprasath, Ethical Hacker, Mr.Vignesh, Software Developer from LIVEWIRE, Trichy gave the guest lecture and the Topics covered was

- iOS
- Android OS
- Virtual Machines
- Ethical Hacking in OS
- Applications

2023 - 2024