

CSE MILESTONE VOLUME:3 ISSUE:2

CSE

2022-2023

EVEN SEM

Prepared by

Faculty Team

Mr. M. Mohamed Nizarudeen AP/CSE

Mrs. V. Gomathi AP/CSE

Mrs. R. Sasikala AP/CSE

Student Team

Derek Joel Sam - III CSE

Jaghan.M - II CSE





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

2022 - 2023

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 immensely proud to share the achievements and milestones of the Computer Science and Engineering department. This period has been marked by extraordinary efforts, innovative breakthroughs, and a steadfast commitment to excellence.

I 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 MESSAGE



Dr. S. Shanthi
Principal

I am delighted to share the accomplishments and progress of our Computer Science and Engineering department. This period has been characterized by resilience, innovation, and a steadfast commitment to academic 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 thrilled to highlight the exceptional research and development activities within our Computer Science and Engineering department.

I am confident that our department will continue to push the boundaries of research and innovation. The challenges we face today present opportunities for tomorrow's breakthroughs.

I extend my deepest gratitude to all members of the Computer Science and Engineering department for their hard work and dedication. Your contributions are making a significant impact on the technological landscape and advancing our mission of excellence in research and development.

Let us continue to work together to achieve new milestones and make a positive impact on society.

Warm regards,

LEADERSHIP

HOD MESSAGE



Dr. J.Suresh
HOD

I am delighted to share the remarkable achievements and progress of our Computer Science and Engineering department. This semester has been a testament to our commitment to excellence, innovation, and collaboration.

I am immensely proud of the enthusiasm and initiative shown by our students in organizing and participating in various extracurricular activities.

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,

S.No:	Events & Activities	Page No:
1.	Value Added Course on " Augmented Reality and Virtual Reality"	1
2.	Guest Lecture on DATABASE MANAGEMENT SYSTEM	2
3.	Guest Lecture on Applications in Artificial Engineering	3
4.	Pulzate 7E7-A National Level Technical Symposium	4
5.	Awareness Program on "Overseas Higher Education "	5
6.	Industrial Visit to Infopark,Kochi	6
7.	Seminar on Recent Trends in IT Industries	7
8.	ALUMNI INTERACTION	8

S.No:	Events & Activities	Page No:
9.	Seminar on "TECHIE STARTUP"	9
10.	Hands-on Training on 'WEBSITE Development'	10
11.	Workshop on Entrepreneurship Skill Development	11
12.	Value Added Training on Python Coding	12



Value Added Course on " Augmented Reality and Virtual Reality"



1

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
VALUE ADDED COURSE

" Augmented Reality and Virtual Reality"

 **Dr. B. Ezhilavan,**
Founder & CEO,
VEITECHNOLOGIES PVT. LTD,
Chennai

Date:
10/05/2023 - 11/05/2023

Time:




Value Added Course , for the academic year 2022-2023 for III year CSE and AI&DS students was conducted for 5 days from 10.4.2023 to 11.05.2023 in the topic "Augmented Reality and Virtual Reality " . It was organized to provide participants with an in-depth understanding of AR and VR technologies, their applications, and the tools and techniques used in developing AR and VR experiences. The course aimed to equip participants with the knowledge and skills necessary to explore the potential of AR and VR in various industries. First 3 days of the course on was handled by our internal faculty and the last 2 days was handled by VEI Technologies Pvt.Ltd, Chennai.

In this 5 days session, students were able to got knowledge in

- Introduction about the concepts and fundamentals of Augmented Reality and Virtual Reality.
- How to explore the applications of AR and VR in different fields such as gaming, education, healthcare, and entertainment.
- How to handle AR and VR development tools and platforms.
- The challenges and future prospects of AR and VR technologies.

At the end of the last day of the course, an assessment was conducted for 40 marks by VEI Technologies and marks were noted.

2022 - 2023



Guest Lecture on DATABASE MANAGEMENT SYSTEM



Raman, Associate Professor & Head, Department of CSE, Shree Angalamman College of Engineering and Technology, an expert in the field of database management. The lecture aimed to provide some of the advanced concepts in DBMS, its importance in modern business environments, and the key concepts and principles associated with managing databases. The speaker emphasized the importance of understanding key concepts and principles in DBMS.

Topics covered :

- Introduction
- Query Optimization.
- MongoDB
- Real-World Applications.

For example e-commerce systems, airline reservation systems, healthcare databases, and social media platforms. The speaker explained how DBMS enables efficient data storage, retrieval, and processing, resulting in improved business operations and decision-making.

Following the lecture, a question-and-answer session was conducted, allowing attendees to seek clarifications and discuss specific topics in more detail. The speaker provided valuable insights and addressed queries related to database design, performance optimization, and emerging trends in DBMS.



Guest Lecture on Applications in Artificial Engineering



3



Guest lecture for this Academic Year (2022-23 even sem) for III Year (Batch: 2020 – 2024) was organized by CSE department on 24.04.23. The major objective of the program was to make the students to know the academic aspects of the theory subject “CS 8691-Artificial Intelligence” and provided an exposure about the Applications. Mrs.S.Puvaneswari M.E., (Ph.D), Assistant Professor/Dept of CSE,Kings college of Engineering ,Punalkulam, Thanjavur acted as a resource person and gave the guest lecture .Topics covered was

- AI Application
- Information Retrieval
- Natural Language Processing
- Machine Learning
- Orange Tool

Outcome

Upon completion of this guest lecture, students are able to understand the Applications of Artificial Intelligence

2022 - 2023



Pulzate 7E7-A National Level Technical Symposium



4

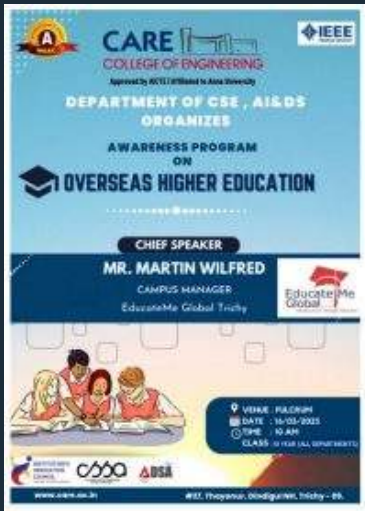
Department of Computer Science Engineering and Department of Artificial Intelligence & Data Science successfully conducted the 9th National level Technical Symposium, Pulzate 7E7 in association with their students association CSSA and ADSA on 29.03.2023. Inauguration of this symposium started at 9.30AM in the Fulcrum hall. Mr.M.Sathish, Director, Nimatooz Smile Mobility, accepted our invitation and graced the occasion.

Mr.G.Gopinath, IV Year CSE, President of CSSA association, gave the Welcome address. The right minded Principal of our college Dr.S.Shanthi, M.E., Ph.D., felicitated the gathering. Mr. M.Derek Joel Sam, Third year CSE and Miss.A R.Reena of Second year CSE gave the introduction about the chief guest.

Our Chief guest Mr.M.Sathish, shared his own experience in becoming an entrepreneur with the students and also cleared their doubts.

More than 110 students from different colleges all over Tamil Nadu participate in various technical and non technical events. The technical events including Techie Talk (Paper presentation), Code Red (Debugging), Expo Fest (Project Expo) and also the non technical events such as Star Wars, Ad-Zap and Mr & Miss Pulzate were conducted. Senior faculty from various departments acted as Judges and chose the best paper and projects from the students' presentation and honored the winners by giving them certificates and prizes. Judges also honored by the event incharges.

2022 - 2023



CARE College of Engineering

Awareness Program on “Overseas Higher Education”

CSE MILESTONE

5



Department of Computer Science Engineering and Artificial Intelligence & Data Science organized a awareness program on Overseas Higher Education on 16.3.2023 @ 10AM @ Fulcrum.Mr.Martin Wilfred , Campus Manager ,EducateMe Global , Trichy address the occasion .Nearly 70 students from third year CSE and AI&DS got benefited by this awaeness program.

Mr.Martin Wilfred, gave a brief introduction about the

- Benefits of studying overseas
- Government approved Consultancy
- How to choose the best university
- Courses to choose
- Loan Facility
- Accommodation and many more

2022 - 2023

IMPORTANCE OF INDUSTRIAL VISIT FOR STUDENT



Industrial Visit to Infopark, Kochi

CSE MILESTONE



6



Department of Computer Science Engineering organized a one day Industrial visit to Infopark , Kochi on 18.03.2023. 28 students from third year CSE and 3 Faculty members went for the visit.

Mr.K.Mahadevan, AP/CSE

Ms. Amba Bharti S Desai, Communication Trainer

Ms. K. SARADHA, AP/English

Infopark is an Information Technology Business park ,which has over 540 companies includes major MNC's like like Tata Consultancy Services, WIPRO, Xerox, KPMG, EY, Cognizant Technology Solutions, EXL Service, UST Global, IBS Software Services, ZELLIS HR India, Hubbel, Mari Apps, Fragomen Immigration Services, RCG Global Services, INSPIRED Software Development, HCL Technologies, BYJU's, IBM India Software Labs, etc. form the clientele.

2022 - 2023

Technology Trends

Seminar on Recent Trends in IT Industries



7



The Department of Computer Science and Engineering had the pleasure of hosting a highly informative guest lecture titled "Seminar on Recent Trends in IT Industries" on,15.03.2023. The event was aimed at providing students and faculty with insights into the latest advancements and emerging trends in the Information Technology sector.

The speaker discussed cutting-edge technologies such as Artificial Intelligence (AI), Machine Learning (ML), Blockchain, and Internet of Things (IoT). These technologies are revolutionizing various industries and creating new opportunities for innovation and development.

2022 - 2023

As a progress of signing MoU with eQuadriga Software Pvt Ltd,a seminar on Recent Trends in IT Industry was given for the third year CSE and AI&DS students on 15.03.2023 .Mr.L.T.Perpetual Claudius ,Senior Project Manager gave an oration about the trends in IT industry and students had a very good interactive session with him.



ALUMNI INTERACTION



8



The Department of Computer Science and Engineering was thrilled to host an enriching Alumni Interaction Event on 02.03.2023. This special event aimed to reconnect with our distinguished alumni and provide current students with valuable insights into the professional world through the experiences of our successful graduates.

The alumni shared their unique career paths, detailing the challenges and triumphs they encountered along the way. Their stories were inspiring and provided a realistic view of the diverse opportunities available in the IT field.

2022 - 2023

The alumni highlighted current trends and future directions in the IT industry. Topics such as Artificial Intelligence, Cloud Computing, Cybersecurity, and Data Science were discussed, giving students a glimpse into the evolving technological landscape.

Department of CSE organized an Alumni Interaction on 02.03.2023 @ 11.00AM .Our Alumni of the batch 2016-2020 , Mr.S.Venkateshwaran, Software Engineer , TCS ,interacted with our students and shared his experience in becoming an IT professional.

TECHIE STARTUP

CHIEF SPEAKER

MR. I.FRANCIS REBELLO ,MBA
ASSISTANT PROFESSOR/ENTREPRENEUR



Seminar on “TECHIE STARTUP”



9



The Departments of Computer Science and Engineering (CSE) and Artificial Intelligence & Data Science (Ai&Ds) jointly organized an enlightening seminar on “TECHIE STARTUP” on 01.03.2023. This seminar aimed to inspire students from both departments to explore entrepreneurship in the technology sector and equip them with the knowledge and skills needed to embark on their entrepreneurial journey.

Department of CSE , AI&DS organized a seminar for their III year students on the title “TECHIE STARTUP” on 01.03.2023 , @ 10.00AM. Mr.I.FRANCIS REBELLO, Assistant Professor / Entrepreneur , gave the seminar . He elucidated the process of starting up a new technical related business to the students and had a very good interaction with them.

2022 - 2023



Hands-on Training on 'WEBSITE Development'



10



The Department of Computer Science and Engineering recently hosted an engaging and educational Hands-on Training on 'Website Development' on 25.02.2023. This event aimed to equip students with practical skills in website development, a fundamental aspect of modern computing and digital presence.

The session began with an overview of web development, emphasizing the importance of having a robust online presence. The speaker discussed the basics of how websites work and the key components involved.

Department of Computer Science and Engineering organized a Hands-on Training on 'Website Development' on 25th February 2023, from 9.00AM to 12.30PM. It is a free website bootcamp using python flask. Mr. S. Mohan, III year B.Tech AI&DS, is the resource person for this event. Students of second year CSE are the target participants.



Workshop on Entrepreneurship Skill Development



11



Department of Computer Science Engineering , Artificial Intelligence and Data Science organized a workshop on “Entrepreneurship Skill Development” on 24.02.2023 @ 10.00AM in the Fulcrum hall. RTN.M.G.Ramakrishnan, President, Rotary Trichy, Founder CEO, HYGE Medicals & Surgicals Pvt Ltd, Trichy was the chief guest for this event. He shared his views about how to startup a business, challenges faced,how to over come the challenges and also his own experience in this. Mrs.T.Amutha. HoD /AI&DS gave the welcome address and Mr.J.Aanto,III year CSE gave the vote of thanks. Third year CSE & AI&DS students got benefited by this program.

2022 - 2023



Value Added Training on Python Coding



12



The Department of Computer Science and Engineering proudly hosted a comprehensive Value Added Training on Python Coding on 06.02.2023. This event aimed to enhance the programming skills of our students by providing in-depth training on Python, a versatile and powerful programming language widely used in various domains.

The training began with an overview of Python, highlighting its simplicity, readability, and extensive libraries. The speaker discussed why Python is a preferred language for beginners and professionals alike.

The training also delved into advanced topics including object-oriented programming, exception handling, and file operations. These topics are crucial for developing robust and efficient Python applications

Department of Computer Science and Engineering is organizing a six days Value Added Training on Python Coding for the benefit of second year CSE students from 06.02.2023 to 11.02.2023 . Mr.J.Saravana Kumar, Technical Trainer, Talent 64 Technologies, Chennai will be the resource person for this event. The event will be conducted in Computer lab1

2022 - 2023