

NEWS@CSE

KMEA ENGINEERING COLLEGE, EDATHALA,
ERNAKULAM, KERALA, 683561



Greetings from the CSE Family

The KMEA Engineering College established in 2002, is dedicated to the memory of Sri. C. H. Mohammed Koya, with the aim of setting up high-quality education at par with global standards, promoting education among minority communities, and providing financial aid to the economy's weak and deserving students.

Currently, the college offers B.Tech degrees in six engineering subjects, Civil, Mechanical, Electrical and Electronics, Electronics and Communication, Electronics and Instrumentation, and Computer Science. The college has M.Tech programs in Civil, Electrical, Electronics, and Computer Science. KMEA is affiliated with the APJ Abdul Kalam Technological University, Thiruvananthapuram, and approved by AICTE.

KMEA is committed to providing high-quality education for all of its students. When it comes to the students, KMEA Engineering College leaves no stone unturned with highly qualified faculty and the best infrastructure facilities.

About the Department

The Department of Computer Science and Engineering was established in the year 2002. The department offers both undergraduate and postgraduate programs in Computer Science & Engineering.

The Department has a high faculty-to-student ratio, ensuring that the students will always have ready access to our faculty. A team of well-qualified faculty that keeps their knowledge up-to-date by attending conferences and workshops on a regular basis is a major asset of the department. They are specialized in areas of computer networks, mobile computing, image processing, data mining, artificial intelligence, etc. They encourage students' involvement in various co-curricular activities along with their academics. All faculty actively strive to improve their quality by participating in research-oriented programs and quality improvement training.

The Department moulds young outstanding engineers who are academically strong in both theory and practical. The department is constantly producing good results in the University examinations.

VISION

To be a premier department nurturing academically, socially, and industrially competent professionals to contribute innovations for the betterment of society.

MISSION

- To build an invigorating academic environment with an emphasis on basic principles of computer science and engineering.
- To enhance problem-solving skills, team spirit, social responsibilities, ethics, and entrepreneurship skills in the field of computing.
- To promote students for pursuing higher education and research

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PROGRAM EDUCATIONAL OBJECTIVES(PEO)

PEO1:- Acquire knowledge in the subject domain and apply it together with hardware and software skills in the design and implementation of systems that are adaptable to industrial trends.

PEO2:- Socially committed to moral and ethical values in bringing socially acceptable solutions to real-world problems for society through innovations and entrepreneurial activities and enhancing the interpersonal, leadership, and professional skills to lead a successful career and life.

PEO3:- Actively engage in a continuous learning process adapting to the current trends by engaging in lifelong learning, thus pursuing higher studies and research in the subject domain.

PROGRAM SPECIFIC OUTCOMES(PSO)

PSO1:- Our graduates will analyze, design, and solve problems of varying complexity in the fields of Computer Science and Engineering.

PSO2:- Our graduates will function responsibly and ethically, fully committed to the profession and society.

PSO3:- Our graduates will have the ability to apply their knowledge and skills to succeed in their careers and productively engage in innovations and higher learning.

DEPARTMENT FACULTY



Principal's Message



Dr. T.M. Amar Nishad
Principal & Director
KMEA Engineering College

At the outset, I heartily congratulate the Department of Computer Science and Engineering for publishing this edition of the departmental newsletter.

The introduction of this newsletter is the result of your confidence, creativity, and innovation. The College has made tremendous progress in the fields of academics, non-academics, and capacity building relevant to staff and students. I once again congratulate the whole team and hope this will prove to be a milestone in the digital journey of KMEA Engineering College as well as the Department of Computer Science and Engineering.

The wide spectrum of articles in different sections gives me a sense of pride that our students and professors possess potential in diverse fields. Also, my heartfelt congratulations to staff members and students for their fruitful effort.

HoD's Message

I wish to extend my sincere congratulations on the publication of our departmental newsletter. This newsletter's launch is the product of your assurance, imagination, and invention.

The college has made outstanding strides in every area of academic, non-academic, and staff and student capacity building. I am sure that the staff and students who are interested in technical education and activities based on technology will receive a favorable message from this issue of the department newsletter.

The development of writing abilities among teaching staff and students in particular generally occurs as a result of a newsletter, which is similar to a mirror that reflects a clear picture of all the activities carried out by a department. I would like to appreciate the Editorial Board of this newsletter for their excellent work in completing the mission in record time.



Dr. Rekha Lakshmanan
HOD, Department of Computer
Science and Engineering

WORKSHOPS, SEMINARS & EVENTS

Success Mantras of a Startup

On 27th September 2022, the Department of Computer Science and Engineering in collaboration with TEP Cell, the association of CSE, and the Computer Society of India organized a seminar on “Success Mantras of a Startup” under the supervision of HoD. Selin. M and Ms. Lija Jose. The speaker was Mr. Neeraj Manoharan.

Mr. Neeraj Manoharan who is the co-founder of RIAFY Technologies, enlightened us in the session by sharing with us how he managed to successfully initiate and run his startup, along with the problems he had to face while doing it. His words gave courage to our student audience to pursue the idea of entrepreneurship and having their own startups. He pointed out the experience and how effective team management is required for a startup to run successfully. Finally, he concluded with a heartfelt message on how important teamwork is and how it enables us to achieve our goals.



Heart to Heart with Dr.Menon



Department of Computer Science and Engineering of KMEA Engineering College, in association with TEP Cell, CSE association and CSI organized an informative talk exclusively for female students. The session was held on 10th of October 2022 and was handled by Dr.S Menon, who is a professor of Gynecology and Head of Infertility Clinic under the Ministry of Health.

The session was an open space for women to ask their doubts or concerns regarding reproductive health, menstruation, pregnancy, etc. She acknowledged the crowd very well and was very informative.

OS Installation and PC Assembling workshop



The Department of Computer Science and Engineering successfully organized and conducted a workshop based on OS installation and PC assembling for the 1st year students under the guidance of our HoD. Selin.M on 12th October 2022.

The workshop was conducted by our final year students and discussed topics on the different components of a PC, their functionalities and connections between them. The hands-on session taught the audience the working of the components of a computer system. Also, the workshop included another session on installation of operating systems- Ubuntu and Windows 10. The event concluded with a team-based quiz competition on what the students learned from the workshop.

Security and Ethical Hacking Seminar



On the 28th of October 2022, the Department of Computer Science and Engineering conducted a workshop on cyber security and ethical hacking. The session was conducted by a visiting instructor from TechbyHeart. The session consisted of different accounts and implementations of various hacking methods like sniffing, spoofing, wifiphiser, social engineering etc.

Introduction to Git and GitHub

Department of Computer Science and Engineering of KMEA Engineering College, in association with TEP Cell and CSI organized the workshop 'Introduction to Git and GitHub' under the guidance of the instructor Ashwin Ansil from CUSAT. The workshop was held on 18th November 2022.

More than 30 students took part in this provided to them. This session dealt with the topic like version control system, Git installation and commands, forking repositories and contributions.



How to Effectively Approach Engineering Studies

Dr. John Jose of the Department of CSE of IIT, Guwahati enlightened our students by a seminar on “How to effectively approach engineering studies” on 25th November 2022. This seminar was in response to our request for him to be the Advisor of the Association of Computer Science and Engineering.

The guest shared with our students his work experience while he was a co-worker of our professor Ms. Sheena Kurian K. He also taught us about how to view and approach the various studies in engineering in the most effective way. The session concluded with a gentle reminder of the need of good communication skills for a professional and tips to improve them.



Speaking Skills Workshop

The Department of Computer Science and Engineering conducted a workshop on Speaking Skills. The 1-day session was conducted on the 30th of November 2022 by Ms. Maya Menon in collaboration with Mind Empowered. Ms. Maya is the founder of Mind Empowered and is also a guest lecturer at CUSAT. The session was mainly on the language barriers faced by people when communicating. Students were divided into groups and the group discussions and mock conversations were conducted.

Web Development Workshop

The Department of Computer Science and Engineering in collaboration with one of the leading communities of KMEA, TinkerHub KMEA organized a web development workshop on 3rd December 2022 from 9am - 4:30pm

The program was conducted in two batches consisting of 70 students who were the first years students from all the departments. The session was handled by four mentors, Mansoor Majeed and Abdul Sameeu M A from S5 CSE and Fathima Shebreen and Ansaif Sajid from S3 CSE. The session started with an ice breaking game and later proceeded into a hands on of basics of HTML and CSS. This workshop intrigued students into knowing more about web development.

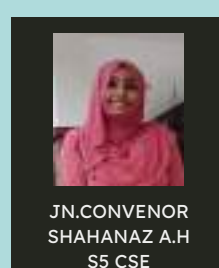
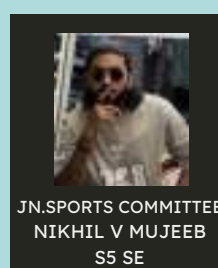
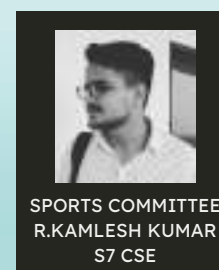
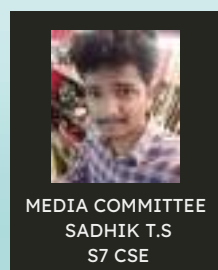
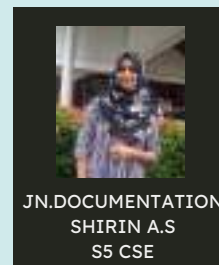
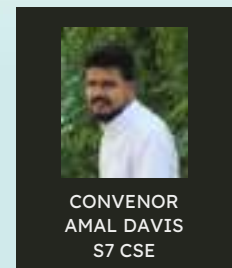
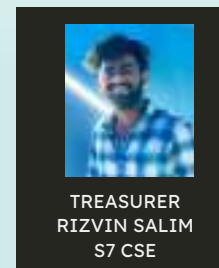
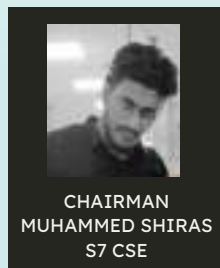


Frosty Fest - 2022

The Department of Computer Science and Engineering organized Christmas celebrations called Frosty Fest '22 on December 23rd, 2022, from 9 am to 1 pm. Despite the limited time, the organizers managed to pack the event with a lot of fun and excitement. Class-wise cake cutting sessions were held, and the Director of the department, Dr. Amar Nishad, and the Vice Principal, Dr. Rekha Lakshmanan, joined the staff and students in cutting the cakes. They also took photos of the entire group to capture the special moments.

The dancing stage was the star attraction of the event, injecting more vibrancy and enthusiasm into the already festive atmosphere. Attendees, dressed in white and red, lit up the dance floor and added to the overall excitement of the celebration. The students had a fantastic time, creating cherished memories and sharing warm wishes that added to the holiday spirit of the day.

Selection of CS Association Members



ACHIEVEMENTS



ANTONY BEN
Quest Global,
Sutherland



ABHIJITH JANA
6D Technologies



ALJIYA V A
TCS



NAZEEYA AZEEM
TCS



FARISHA K R
Sutherland



ATHIRA MENON
Sutherland, GICE



ANJUM FATHIMA. A
Sutherland, GICE



R. KAMLESH KUMAR
GICE




SHERFINA ASHRAF
Sutherland, GICE




JASMIN M A
Sutherland




HAIRUNESA BEEVI
Sutherland, GICE



POOJA LAKSHMI
Sutherland



POOJA MP
Sutherland



AFNA V S
Sutherland




RITHINA KAREEM
Sutherland




MOHAMMED FAZEEM
Sutherland

Placements

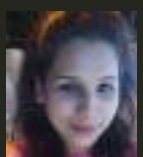
AT QUEST GLOBAL, TCS,
GICE, SUTHERLAND,
6D TECHNOLOGIES



SHAHANAS K A
Sutherland



AYISHA SABU
Sutherland



CANDIZ ROZARIO
Sutherland



SANJAY RAJ
Sutherland



SHERIF RAHIM
Sutherland



BHARATH M A
Sutherland



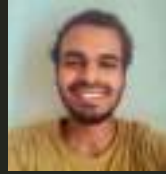
MANUAL MATHEW
Sutherland

ACHIEVEMENTS

Union Members



ATHIRA MENON
4th Year
Representative



THEJUS MANOJ
2nd Year
Representative



P.R. RISHANA
1st Year
Representative



ANTONY BEN
Arts Club
Secretary



SHAHANAZ A H
University Union
Councilor

Winners of Various Events



Kabaddi

Pheba Wilson (S3CSE) and Pooja MP(S7CSE) were selected to the APJKTU women's kabaddi team for participating in the all India south zone inter university championship 2022 - 2023. The event was held at Amity University Chennai on December 2022.



Project AR



Dhilshad VA and CA Kalidas - Winners of Project - 2 AR Filters conducted by TinkerTech



KNOCKOUT 2.0



Mansoor Majeed (S6 CSE), Abdul Sameeu (S6 CSE), and Anandhu Balachandran (S6 ME) represented IEE KMEA SB and successfully participated in KNOCKOUT 2.0, an event held at FISAT.

YUKTI Events



Pooja MP (S7 CSE) is the winner from the Computer Science department in the Inter-Departmental Final Year Poster Competition conducted on 06-12-2022 for her idea of automatic polyp detection in WLE using deep learning.



Nazeeya Azeem (S7 CSE) is the winner from the Computer Science department in the best departmental idea for her idea of a human thermal comfort system.

Poster Making

Poster making competition winner Fahas Basil K J (S4 CSE) won a cash price of Rs. 200.



Rudhirasena Achievements

Token of appreciation for Muhammed Sahil MS, an NSS volunteer by "Rudhirasena" (blood donation flagship program of NSS) for actively organizing orientation classes in Ernakulam district. Muhammed Yasin of S6 CSE was selected as one of the Rudhirasena (NSS initiative) Ernakulam regional coordinators for 2022-2023.



MOUs

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S4 CSE

Aaina Akbar

S4 CSE