



CREATING TECHNOLOGY
LEADERS OF TOMORROW
ESTD 2002

Jyothi

Engineering College


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Creating Technology
Leaders of Tomorrow

Mission

- ▶ To emerge as an institution par excellence of global standards by imparting quality engineering and other professional programmes with state-of-the-art facilities.
- ▶ To equip the students with appropriate skills for a meaningful career in the global scenario.
- ▶ To inculcate ethical values among students and ignite their passion for holistic excellence through social initiatives.
- ▶ To participate in the development of society through technology incubation, entrepreneurship and industry interaction.

Core Values

| Faith in God and Man | Love of fellow beings | Belief in Universal Citizenship | Moral integrity | Social commitment |

Vision

Creating eminent and ethical leaders through quality professional education with emphasis on holistic excellence.

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Department of Computer Science & Engineering

Department Vision

- Creating ethical leaders in the domain of Computational Sciences through quality professional education with a focus on holistic learning and excellence

Department Mission

- To create technically competent and ethically conscious graduates in the field of Computer Science and Engineering by encouraging holistic learning and excellence.
- To prepare students for careers in Industry, Academia and the Government.
- To instill Entrepreneurial Orientation and research motivation among the students of the department.
- To emerge as a leader in education in the region by encouraging teaching, learning, industry and societal connect.

Programme Educational Objectives

The graduates shall have sound knowledge of Mathematics, Science, Engineering and Management to be able to offer practical software and hardware solutions for the problems of industry and society at large.

The graduates shall be able to establish themselves as practicing professionals, researchers or entrepreneurs in computer science or allied areas and shall also be able to pursue higher education in reputed institutes.

The graduates shall be able to communicate effectively and work in multidisciplinary teams with team spirit demonstrating value driven and ethical leadership.

Programme Outcomes

Students in the programme at the time of their graduation are expected to possess the following capabilities :

- 1. Ability to apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.*
- 2. Ability to identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.*
- 3. Ability to 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.*
- 4. Ability to 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.*
- 5. Ability to 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.*
- 6. Ability to 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.*

7. Ability to understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ability to apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Ability to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings

10. Ability to 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.

11. Ability to 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.

12. Ability to 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.

Department Major Activities

1. PTA meeting for S4 CSE A and B was conducted on June 2, 2023, at the Decennial Hall.

2. The results of the 2020-2024 batch of CSE S5 have been published. CSE department secured 57.72%.

3. KTU internal audit (By IQAC) was conducted on 7/7/2023 at Department Library.

4. A project Expo was organized by CSE department in association with CSI on 16/6/2023 at ProjectLab. 10 Project groups were registered.

5. Final Year students offered a lunch to Staff as a token of love on 16/6/2023.

6. S6 and S4 Remedial classes were conducted on 26/6/2023, 30/6/2023.

7. Second Internal Examinations for S8 BTech were conducted from 15-5-2023 to 17-5-23.

8. One month Summer Internship program in "Full Stack Development Using React" were conducted for 4th semester CSE students by ICT Academy from 8th May to 7th June, 2023

9. Internal Examinations for S4, S6 and S8 BTech conducted on 17-04-2023, 18-04-2023, 26-04-2023-28-04-2023.

10. S7 Result has been published. CSE Dept. secured 85.44%.

11. On April 19, 2023, a flash mob with the topic "Say no to drugs" was staged in Sobha City Mall in conjunction with HackAthena, a three-day hackathon organized by the CSE Department.

12. National level Technical hackathon - Hack-Athene conducted by CSE Department in association with CESA, CSI and IEDC from 22-4-2023 to 24-4-2023. The program inaugurated by Ms. Mariya Kuriakose, Founder, Thenga.

13. On April 28, 2023, S6 students coordinated a farewell ceremony for S8 students.

14. On March 14, 2023, the CSE department, NDLI club, and IEI student organization presented a webinar on an introduction to blockchain. Deo Saju and Sidhardth P of S8 CSE are the session leaders.

15. S4 CSE B and CSE A students Visited Wonderla, Kochi on 7-3-2023 and 9-3-2023 respectively.

16. College arts fest conducted on 10-3-2024.

17. On March 24, 2023, the FOSS club organised a workshop on RUST in collaboration with CESA and CSI. Resource person was Mr. Alen Paul.

18. CSI in association with Unique world Robotics, conducted an AI coding workshop on 25-3-2023. Resource persons: Akhila R Gomez (Senior Robotics Engineer, Unique world Robotics) and Astha G Pillai (STEM Intern, Unique world Robotics).

19. Autonomy - UGC peer team visit held on 20-3-2023 and 21-3-2023.

20. The First Class committee was convened on

Staff Achievements



Ms. Anumol C S, Ms. Sobha Xavier P and Mr. Saju P Chittilappilly conducted 10 days Internship for 2nd semester students of Govt. Poly Technic Chelakkara



Ms. Anumol C S delivered a technical talk on CHAT GPT in JECC TALK on 15-3-2023.

Mr. Anil Antony conducted a one day workshop for students on IOT at METS College of Advanced Studies on 10-3-2023.



Ms Aswathy Wilson has been selected in Judging Panel of "Vaiga – Agri Hack 2023".

Mr. Thomas george and Ms. Sobha Xavier P attended one-week FDP program on "Statistical and Machine Learning Techniques with Applications" held on the 2nd -6th of January 2023, organized by IIIT Kalyani.



Mr. Anil Antony and Sobha Xavier P attended APJ Abdul Kalam Technological University Sponsored 5 day FDP on "Medical Image Analysis Using Deep Learning Techniques" organized by Department Of Computer Science And Engineering, Sahrdya College of Engineering and Technology from 23/01/2023 to 28/01/2023.

Student Achievements

A **Project Expo** was organized by CSE department in association with CSI on 16/6/2023 at ProjectLab.



Winners: 1st prize Smart Contract Based Identification Deo Saju, Aneena E A, Anne Rose Jenson and Alfred Baiju.



2nd Prize(2K) Identification of Stray Dogs Using Machine Learning Nandalal, Jyothsna Joshy, Mariya Rose, Riya Xavier.

CSE NEWS LETTER



3rd prize (1K) Currency Analyzer, Muhammed Alshihab, Nimisha Anna Binoy, Rohith Raj and Jeromiya.

All the above are 2019-2023 batch CSE students.



Anurag N Nair, Alfred Freddy, Adel Yahiya Ali and Ashish Thomas of S8 CSE A presented a paper titled "Accident Detection and Reporting System Using Deep Learning Framework" in International Conference on Emerging Trends in Signal Systems and Information at NCERCPampady, on May 25-27, 2023.

26 students of S4 CSE A (2021-2025 batch) were attended summer internship program **Full Stack Development (MERN)** conducted by ICT Academy at Our college from 8th May to 7th June, 2023.



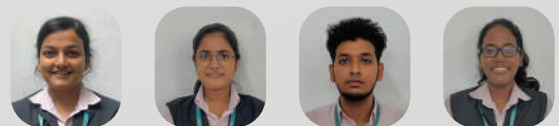
A session on LINUX was led by S8 CSE student Pranav K in collaboration with the **EETI club** On 3-4-2023.

Ms. Aleena Babu of S8 CSE A has been selected for Internship with stipend at **IBM**.



following students of S8 CSE batch have been selected to the post of

Associate - Branch Banking' by Federal Bank:



Ann Rose Jenson, Irene Paulson, Sanchez Joshy and Tara Martin



Deo Saju and Sidhardth P of S8 CSE have conducted a webinar on **An Introduction to Blockchain** in association with CSE department, NDLI club, and IEI student chapter On March 14, 2023.

