Jyothi
Engineering College

Creating Technology Leaders of Tomorrow

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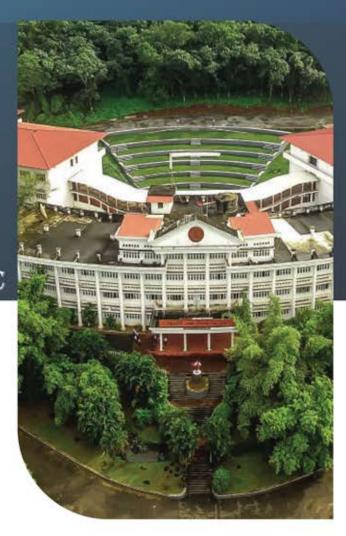
NBA
CE CS EC EE ME MR

NAAC

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.

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.

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.

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.

interface and user experience design. The workshop was held on 30th January 2024 for S4 B batch students and 1st February 2024 for S4 A batch students.

Pre-placement Training Program

The eminent placement trainer Mr.Jithin K. Jose, Asst.-Professor, JECC gave a pre-placement training program about the importance of soft skills for S4 students on 31st January and 1st February 2024. This program focuses on developing essential soft skills that are crucial for job seekers to succeed in the workplace. These skills include communication, teamwork, problem-solving, and emotional intelligence, which are often key differentiators in the hiring process.

Department Major Activities

Workshop on "A basic introduction to the world of Web development and UI/UX"

Department of Computer Science and Engineering conducted a workshop on 'A basic introduction to the world of Web development and UI/UX ' for second-year students in association with the Computer Engineering Students Association (CESA). This workshop was aimed to introduce participants to the foundational concepts of web development and UI/UX design. It was designed for beginners who are curious about creating websites and understanding the principles of user

Coding and Aptitude Training Program

This program was designed to prepare participants for technical and aptitude assessments commonly used in job placements and entrance exams. It focused on enhancing coding skills, problem-solving abilities, and aptitude in quantitative, logical, and verbal reasoning. Department of Computer Science and Engineering from Jyothi Engineering College organized a competitive coding and aptitude training program in association with Manifold Institute of Technical Education, Thrissur. The training took place from 5th to 9th February 2024 for third-year students. This training likely aimed to enhance the student's problem-solving skills, coding proficiency, and readiness for technical interviews or coding competitions.

Orientation Session on GATE/Comprehensive courses

Computer Science and Engineering department provided an orientation program for third-year students that was typically designed to give an introduction to the Graduate Aptitude Test in Engineering (GATE) and other comprehensive courses. It will cover the exam structure, preparation strategies, available resources, and the benefits of qualifying for these exams. The Manifold Institute of Technical Education, Thrissur delivered the session on 12th February 2024. This orientation session provided a comprehensive introduction to GATE and other comprehensive courses, helping participants understand the exam structure, benefits, and effective preparation strategies

Young Innovators Programme

Department of Computer Science and Engineering conducted a Young Innovators Programme in association with the Computer Engineering Students Association (CESA) and YIP for 4th semester CSE students on 27-02-2024. The Young Innovators Programme is designed to nurture and develop innovative thinking and problem-solving skills among young minds. The program focused on encouraging creativity, critical thinking, and the practical application of ideas to solve real-world problems. Some students from our department provided sessions at Malabar Engineering College on 01-03-2024 and St.Mary's College, Thrissur on 20-02-2024.

Online Workshop

Python has rapidly become one of the most popular programming languages in the world due to its versatility, simplicity, and powerful capabilities. Computer Science and Engineering department conducted a Python online workshop for first-year students. The session was handled by Mr.Shibin M.S. (S6 CSE) on 29-02-2024.

Computer Training Classes

The non-teaching staff in the Computer Science and Engineering department handled Computer Training Classes for the lab staff in other departments of our college on 22-02-2024 and 23-02-2024. Those classes were designed to provide participants with essential computer skills and knowledge, ranging from basic computer literacy to advanced topics. The training aims to equip learners with the practical skills required to effectively use computers in various contexts, whether for personal, educational, or professional purposes.

Two-Day Workshop

A two-Day workshop on 'Empowering Innovation: A Design Thinking Journey' was hosted by Computer Science and Engineering department on 1st and 2nd March 2024. This workshop was designed to guide participants through the principles and practices of design thinking, a human-centered approach to innovation. Participants would learn how to tackle complex problems creatively and develop user-centric solutions through a structured process. The topic was facilitated by Mr.Vishnu Nagaraj.

HackAthene'24

Computer Engineering Students Association (CESA), CSE Department organized 'HackAthena 2024', a 3-day national level hackathon, that commenced on 6th April 2024. The hackathon lasted for 48 hours and witnessed the participation of 17 teams with a team size of 2 to 4 members. The event had 3 themes Safety, Health Tech, and Open Hack. Rev.Fr.Jose Kannampuzha officially released the new poster of HackAthene-2024 and the website launched on 19-03-2024. The jubilant inauguration was inaugurated by Chief Guest, Mr. Jebi I Cherian, Road Transport Officer, Thrissur, along with Guest of Honor Mr. Seejo Ponnor, Managing Director, AquaStar. The event was kickstarted with an Ice Breaking Session on "Team Building" by Prof. Jithin K Jose, the Chair-Membership Development Committee of IEEE Kerala Section. As part of promotion, several events were also conducted like Meme Competition and flash mobs in various locations including college.

Industry-Academia Interaction

Department of Computer Science and Engineering conducted an Industry-Academia Interaction for the students in association with SOTI. SOTI is a proven leader at creating innovative solutions

that reduce the cost and complexity of business-critical mobility and the IoT. Ms.Stephanie Lopinski (Vice President, Global Marketing) and Mr.Joseph Samuel (Vice President, Strategy) delivered the sessions and interacted with students on 3rd April 2024.

Farewell Party

Computer Science and Engineering department organized a farewell party for the M.Tech students on 30-04-2024 . It was a special occasion to celebrate the achievements and memories of students as they move on to the next phase of their lives. On 3rd May 2024 the department arranged a farewell party 'Au Revoir' for the B.Tech final-year students under the leadership of third-year students. This event aimed to provide a memorable experience, filled with appreciation, reflection, and well-wishes.

W3 FORGE

Web3, the next generation of the internet, which focuses on decentralization, blockchain technology, and the empowerment of users. Department of Computer Science and Engineering formed a club 'W3 FORGE' , the exclusive Web3 club, in partnership with Web3Kerala on 02-05-2024.

Sent-Off Note

Members of CSE Department gathered on 09-04-2024 to say a big goodbye to Mr.Sarath V. Sankaran (Assistant

Professor) who was leaving our college. A sent-off note was also arranged for Mr.Giridhar C (Assistant Professor). It was conducted on 16th May 2024. That party conveyed the message that they would be missed and remembered, and the staff also wished him good luck in their future endeavors.

ICT Internships

Department of Computer Science and Engineering in collaboration with ICT Academy conducted various internships for students. Internships provide invaluable experiences for students offering numerous benefits that can significantly impact their career development and personal growth. Full Stack Development using REACT (MERN) and Machine Learning were the main areas focused on by the third-year students. The internships were framed for one month, and the offline sessions took place from 24-06-2024 to 28-06-2024.

Staff Achievements

Dr.Valanto Alappat attended a FDP(Faculty Development Program) on Miracle of Blockchain Technology at RIT Kottayam on 23-26th January 2024.

Mr.Shiju Paul attended a FDP (Faculty Development Program) on Miracle of Blockchain Technology at RIT Kottayam on 23-26th January 2024.

Ms.Jyothsna G.K. attended a FDP(Faculty Development Program) on Deep Learning and its Applications at Govt. Engg College Sreekrishnapuram, Palakkad on 15-19th January 2024.

Mr.Vysagh M. attended a FDP (Faculty Development Program) on Exploring Explainable and Generative AI in Contemporary Machine Learning at Adi Shankara Institute Of Engineering And Technology on 15-20th January 2024.

Mr.Arun K attended a FDP on Exploring Explainable and Generative AI in Contemporary Machine Learning at Adi Shankara Institute Of Engineering And Technology on 15-20th January 2024.

Ms.Sonia A. Joseph attended a FDP on Enhancing Mental Health of Faculty for Effective Student Mentoring at Govt. Engg College Sreekrishnapuram, Palakkad on 10-12th January 2024

Mr.Thomas George K. attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Ms.Aswathy Wilson attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Mr.Aneesh Chandran attended an online FDP on Artificial Intelligence and Machine Learning from 26th to 28th February 2024 conducted by St. Thomas College of Engineering & Technology Chengannur.

Ms.Sobha Xavier P. attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Ms. Ninu Francis attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Ms.Sajitha I attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Ms.Sona Shaju K attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Ms. Jyothsna G.K. attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Ms.Neeraja James attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai and another online FDP on Artificial Intelligence and Machine Learning from 26th to 28th February 2024 conducted by St. Thomas College of Engineering & Technology, Chengannur.

Ms.Neethu Joseph C. attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai.

Mr.Saju Chittilapilly attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai and another Online FDP on Innovative Computing Technologies for Health care systems from 19th to 23rd February 2024 and a FDP on Theoretical Foundations and research applications in Machine Learning and Deep learning from 15th to 17th February 2024.

Ms.Anumol C S attended an online FDP on Recent Trends in Bio-Medical Applications using AI from 29th January to 2nd February 2024 conducted by St. Peters Institute of Higher Education and Research, Avadi, Chennai, and another online FDP on Artificial Intelligence and Machine Learning from 26th to 28th February 2024 conducted by St. Thomas College of Engineering & Technology, Chengannur.

Mr.Sarath V Sankaran attended a FDP on High Performance Computing in HealthCare and Big Data Analytics: Hands-On from 5th to 10th February 2024 at SRM Institute of Science and Technology, Chennai, and another FDP on Research and Publication Awareness from 19th February to 23rd February 2024 at Mahaguru Institute of Technology, Kayamkulam and an online FDP on Artificial Intelligence and Machine Learning from 26th to 28th February 2024 conducted by St. Thomas College of Engineering & Technology, Chengannur.

Ms. Neethu T V attended a FDP on Research and Publication Awareness from 19th February to 23rd February 2024 at Mahaguru Institute of Technology, Kayamkulam and another online FDP on Artificial Intelligence and Machine Learning from 26th to 28th February 2024 conducted by St. Thomas College of Engineering & Technology, Chenganmur.

Mr. Giridhar C. attended an online FDP on Artificial Intelligence and Machine Learning from 26th to 28th February 2024 conducted by St. Thomas College of Engineering & Technology ,Chengannur.

Ms. Sonia A Joseph excelled and qualified in GATE-2024.

Ms.Jyothsna G.K completed the 12 Weeks NPTEL Course in IntroduVction to Automata, Languages and Computation successfully.

Ms.Jyothsna G.K. participated in a Faculty Development Program in Introduction to Automata, Languages and Computation organized by AICTE.

Ms.Soniya A. Joseph completed the 12 Weeks NPTEL Course in Intro duction to Automata, Languages and Computation successfully.

Ms.Soniya A. Joseph participated in a Faculty Development Program in Introduction to Automata, Languages and Computation organized by AICTE.

Dr. Swapna B Sasi attended an online FDP on Outcome Based Education and Application of Generative AI in Teaching and Research sponsored by

IQAC on 17th to 24th April 2024.

Mr.Aneesh Chandran attended an online FDP on Outcome Based Education and Application of Generative AI in Teaching and Research sponsored by IQAC on 17th to 24th April 2024.

Ms.Neethu T.V. attended an online FDP on Outcome Based Education and Application of Generative AI in Teaching and Research sponsored by IQAC on 17th to 24th April 2024.

Mr. Giridhar C attended an online FDP on Outcome Based Education and Application of Generative AI in Teaching and Research sponsored by IQAC on 17th to 24th April 2024.

Ms.Sajitha I presented a paper titled "Der micure" in the National Conference on Interdisciplinary Perspectives of Emerging Trends in Computing organized by Carmel College of Engineering and Technology, Alappuzha on 11th to 12th April 2024.

Dr.Saju P.John completed Post Doctoral Degree in Computer Science from Srinivas University, Manglore on the topic "AI in Media Navigating Future Perspectives."

Ms.Neethu Joseph C. completed the 8 Weeks NPTEL Course in Enhancing soft Skills and Personality successfully.

Ms.Neethu Joseph C participated in a Faculty Development Program in Enhancing Soft Skills and Personality organized by AICTE.

Ms.Aswathy Wilson functioned as the subject expert for the interview for the post of computer science teacher in schools under Bharatiya Vidya Bhavan.

Mr.Shiju Paul got Ph.D. admission at NIT Calicut.

Ms.Neethu T.V. completed the 2 Day workshop on "Python Programming with Industrial Perspective" from June 2 & 3 organized by Pencilbitz.

Students Achievements

Ms. Ann Theresa Shaji from CSE Department won the Government of Kerala Prathibha Puraskar Award worth One Lakh.

Mr.Arun Krishnadas, Mr.Abhijith Suresh, Mr.Aditya Manoj,Mr.Arun K. Nair and Mr.Abhishek from S 6 CSE developed a website and mobile app for Sarvodayam VHSS, Aryampadam.

Mr.Alwin Mathew got first prize in fast typing competition at CITADEL (State Level Inter Polytechnic College Technical Fest) on February 2024

Team WeFormulate members Mr. Alex Emmatty S6 CSE and Mr.Alan Jose Santo S4 CSE got second prize in Designathon 24 by Christ College of Engineering, Irinjalakuda in association with their techfest Tecchlethics-24.

Mr.Jishmu and Ms.Afna compiled a customized Linux OS 'Tutor v1.0'(Alpha version ,based on mint) for Jyothi/CSE/Engineering /Diploma students.

Mr.Alwin Mathew got 1st Prize for Fast Finger Techno-Cultural Fest-Exodus organized by St thomas College,Thrissur.

Mr. VishnuDath M, Mr.Melvin Davis, Mr.Adithya from S6 CSE participated in KSCSTE TECHFEST-2024 at IIT Palakkad on 2nd and 3rd March.

Mr.Adarsh R.B., Mr. Vishnuprasad, Mr.Aswajith K,Mr.Muhammed Ajmal, Mr.Sanjon Rion excelled and qualified in GATE 2024.

Ms.Celia Babu, Ms.Christy George,Mr.Adarsh R.B were the toppers of S7 university examinations from the S7 A batch.

Ms.Rosmin John, Ms.Sruthy P.A., Ms.Riniya Marry Pradeep, Mr. Muhammed Ajmal were the toppers of S7 university examinations from the B batch.

Ms.Anagha V.P., Mr.Athul Murali T, Mr.Gokul P.Menon,Mr.Akhil Jose were the toppers of S5 university examinations from the A batch.

Mr.Vivek Vijayakumar, Ms. Sandhra Jojo, Ms. Merilyn Joyson were the toppers of S5 university examinations from the B batch.

Mr. Aldin K. Immanuel, Ms. Afeefa P. A. , Mr. Adithyadev K. V. , Mr. Alan Babu were the toppers of S3 university examinations from the A batch.

Mr. Vishnu N. S. , Ms.V. S. Aneena, Ms. Liya Job, Ms. Neha George, Ms. Liya Jojo were the toppers of S3 university examinations from the B batch.

Evin Babu, Freejo Jaison, Abi John,Jishnu Devadas,Alwin Mathew,Jerin Jaison T won Second prize in MIME in College Art's Day.

Arun K. Nair won Second prize in the English Debate Competition on College Art's Day.

Aleena Kuruvila won First prize in Malayalam Elocution in College Art's Day.

Abhijith Suresh won Third prize in Group Dance in College Art's Day.

Alex Emmatty won Third prize in Malayalam Elocution in College Art's Day.

Arun K. Nair won First prize in Malayalam Debate on College Art's Day.

1. Department Project Excellence Award in YUKTHI-2024
• Level : 1(S 8 A) • Title : ML Fusion Lab • Participants : Harikrishna R Nair, Ajith, Alisha R. Alappat,Ann Lia Jeejo
• Supervisor : Aswathy Wilson

2. epartment Project Excellence Award in YUKTHI-2024
• Level : 1(S 8 B) • Title : SkillHub- A Skill Development Platform • Participants : Philipose Alexander, Reshab Parakkadan, Russel George, Sreehari P. • Supervisor : Shaiju Paul

3. Department Project Excellence Award in YUKTHI-2024
• Level : 2 (S 8 A) • Title : Automatic Attendance Detection System • Participants : Abhinav Padmarajan, Alfin Lawrence, Anathakrishnan, Anzal Akbar Ali •Supervisor : Vysagh M.

4. Department Project Excellence Award in YUKTHI-2024
• Level : 2(S 8 B) • Title : DICE- Decentralised Immutable Credential Ecosystem • Participants : Muhammed Ajmal M, Malavika Baburaj, Vishnuprasad V.S., Pranish V.P.
• Supervisor : Vysagh M.

5. Department Project Excellence Award in
     YUKTHI-2024

• Level : 3 (S 8 A) • Title : Conversational Interview and Training Assistance • Participants : Edwin Moncy, Augustine C. Benny, Aswin K., Ken T Shine • Supervisor : Dr. Swapna B. Sasi

6. Department Project Excellence Award in
     YUKTHI-2024

•Level : 3 (S 8 B) • Title : DERMICURE •Participants : Sruthi P.A., Nikhil Job Mathew, Riniya Mary Pradeep, Rosmin John C. • Supervisor : Sajitha I.

1.Project titled Geo-Dam team members Anusha Joseph, Aswin Joseph, Emil Erinjery, Alfin Johnson was selected for project fund worth 50,000 Rupees from KTU Center for Engineering Research and Development(CERD).

Computer Science & Engineering

Jyothi Engineering College

JYOTHI ENGINEERING COLLEGE
LEAD KINDLY LIGHT
CREATING TECHNOLOGY LEADERS OF TOMORROW
ESTD 2002