



FISAT | FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VOL. 15 JUNE 2025

icon
ANNUAL NEWSLETTER



VISION

To become a centre of excellence, moulding quality Computer Science professionals, catering to the ever-changing needs of the industry, society and promoting quality research.

MISSION

Department of Computer Science and Engineering is committed to:-

M1-(Teaching-Learning): Inculcate a passion for academic excellence through innovative teaching and learning process.

M2-(Develop Entrepreneurial Skills): To create opportunities for students to pursue research and develop entrepreneurial skills.

M3-(Social Skills): Nurture the students to be technically competent, morally upright and socially responsible computer science engineers to meet global challenges.

At a Glance...

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Remembrance

*"Remembering you is easy, we do it every day.
Missing you is the heartache that never goes away."*



Mr. Anuraj P

Assistant Professor (Special Grade)

FISAT CSE (2011-2025)



A best friend is one of the few people in life who chooses to love you despite your flaws. The bond is stronger than blood because there is no obligation. We are so lucky to have found someone with such a wonderful soul, kind heart, and witty sense of humor to have by our side. No one can fill your shoes, sweet friend.



Mr. Shimith P R
Chairman, FISAT

I extend my heartiest congratulations to the Department of Computer Science and Engineering on the release of its 15th volume of Annual Newsletter ICON. This publication is a proud reflection of the department's achievements, creativity and collective spirit. It fills me with immense joy to witness the remarkable progress made by our CSE students and faculty. From academic excellence and cutting-edge projects to tech-driven initiatives and industry collaborations, the department continues to set new benchmarks every year. I extend my heartfelt appreciation to the editorial team and all the contributors for curating this thoughtful publication. May it continue to inspire, inform and ignite the passion for excellence in every reader.

Dear All,



Dr. Jacob Thomas V
Principal, FISAT

It is with immense pride and enthusiasm that I congratulate the Department of Computer Science and Engineering on the publication of the 15th volume of ICON. This milestone reflects the department's unwavering commitment to academic excellence, innovation and technological advancement. Over the years, ICON has become more than just a newsletter—it has evolved into an active platform that highlights the achievements, research and creative contributions of our students and faculty. It represents the spirit of teamwork, curiosity and the pursuit of knowledge that define the department and our institution as a whole. Today, we find ourselves in an era where Artificial Intelligence, Cyber Security and digital transformations are reshaping industries at an unprecedented pace. More than ever, fostering a mindset of adaptability and continuous learning is vital. The CSE department has consistently risen to the challenge, equipping students with the skills and vision needed to lead the way in this ever-evolving technological landscape. I commend the faculty, the students and the editorial team whose dedication and hard work have brought this edition to life. ICON continues to inspire, inform, and serve as a testament to the collective passion for technology and learning that defines the department. May this publication spark new ideas, encourage innovation and drive the department towards even greater accomplishments. Congratulations once again on this remarkable achievement. I look forward to witnessing the continued success and contributions of the department in the years to come.



Dr. Mini P R
Vice Principal, FISAT

It gives me immense pride to see the progress of the Department of Computer Science and Engineering year on year. The department's strength is demonstrated by its active participation in curricular, co-curricular and extracurricular activities, as well as its outstanding achievements in academics, placements and research. I am sure that this newsletter ICON will provide an appropriate platform for highlighting the myriad activities and accomplishments of the students and the faculty. Congratulations to everyone who contributed to the CSE department's outstanding achievements, and best wishes for all the future endeavours.



Dr. Unni Kartha G
Dean Academics, FISAT

It is with great pride and appreciation that I extend my heartfelt congratulations to the Department of Computer Science and Engineering on the release of the 15th volume of ICON, the department's annual newsletter. As the largest department on the campus, both in terms of the faculty strength and the student community, the CSE department continues to be a driving force of academic and technological excellence at FISAT. The newsletter ICON, has consistently reflected this dynamism, capturing the vibrant spirit, achievements and aspirations of the department and its community. Each volume of ICON stands as a celebration of innovation, collaboration and commitment - a space where milestones are recorded. I wish to extend my sincere congratulations and appreciation to the editorial team, the contributors and the faculty coordinators for their efforts in bringing out yet another meaningful edition. May ICON continue to inspire, inform and serve as a platform that showcases the achievements of the department.



Dr. Jyothish K John
Controller of Examinations



Dr. Paul P Mathai
HoD, CSE

"Leadership is not about a title or a designation. It's about impact, influence, and inspiration."

– Robin S. Sharma

We extend our heartfelt congratulations to our esteemed former Head of the Department, Dr. Jyothish K John, on your well-deserved promotion as the Controller of Examinations. Your dedication, leadership and tireless commitment have left a lasting impact on our department, and we are confident that you will continue to excel in your new role. *Wishing you continued success in all your future endeavours!!!*

At the same time, we are delighted to welcome Dr. Paul P Mathai as the new Head of the Department. Your insightful vision and dynamic energy continually foster new inspiration, and we look forward to a new chapter of growth and collaboration under your leadership. *Wishing You All the Best!!!*

ICEFOSS 2024 – A Resounding Celebration of Tech Innovation

ICEFOSS 2024, held from August 18th to 20th, was a dynamic and highly engaging tech symposium jointly organized by the Department of Computer Science and Engineering, the Association for Computing Machinery (ACM) and the FISAT Free Software Cell (FFSC).

The highlight of the event was a 36-hour hackathon that sparked fierce competition and creativity, offering a prize pool of ₹50,000, and attracting enthusiastic coders and innovators eager to prove their mettle.

The symposium was inaugurated by Mr. Sunil TT (Director of ICEFOSS) and Mr. Paul Mohan (Engagement Delivery Head at Cognizant) whose powerful keynotes set a visionary tone for the three-day event.

Adding further value were industry veterans Mr. Alex Jolly, Mr. Joel Bobby, Mr. Aman Jose, Mr. Eby Kurien and Mr. Dharwish, who shared their expertise, offered career guidance and created impactful networking opportunities for attendees. Special appreciation goes to Ms. Merin Cherian and Dr. Ierin Babu, staff coordinators of FFSC, for their exemplary efforts in curating and organizing this impactful event.



Introduction to FOSS – A Workshop for First-Year CS Students

The Department of Computer Science and Engineering, in collaboration with the FISAT Free Software Cell (FFSC) and the Institution's Innovation Council (IIC), successfully conducted a workshop titled "Introduction to FOSS" exclusively for first-year B.Tech Computer Science students. The session proved to be both informative and engaging, laying a strong foundation in Free and Open Source Software (FOSS).

The session was hosted by Ann Mary Jojoy (S5 CSE A), who shared valuable insights and guided the participants throughout the workshop. The hands-on Linux session

was met with great enthusiasm, as students actively participated and gained practical exposure to essential command-line operations.

The workshop concluded with an overview of GitHub, where students explored its role in collaborative development and version control.



MANTRA2024

Celebrating Innovation & Excellence in CSE

On 8th May 2024, the Annual CSE Day MANTRA 2024 was successfully organized by the THYRA the CSE Students Association, creating a vibrant platform for B.Tech Computer Science and Engineering students to showcase their talents and engage in spirited competition. The highlight of the day was the Project Exhibition by the final-year students, which was inaugurated by Dr. Jacob Thomas V, Principal, FISAT. The exhibition displayed a wide range of innovative projects, reflecting the creativity, technical skills and hard work of the graduating batch. To recognize and encourage excellence, cash prizes and certificates were awarded across various categories, including best projects, technical competitions and outstanding performances. MANTRA 2024 not only celebrated academic and technical achievements but also strengthened the sense of community and collaboration among students. The event stood as a testament to the department's commitment to nurturing future innovators and leaders in technology. Special congratulations to the Thyra staff coordinators Ms. Lakshmi S and Ms. Soumya S Raj for their exceptional efforts in organizing this memorable event.



BYTE BATTLE – Igniting Curiosity Through Competition

Byte Battle, a spirited technical quiz competition exclusively for the first-year CSE students, was held on 25th September 2024. The event was designed to challenge and sharpen the knowledge of students in programming, networking and core Computer Science

fundamentals.

With an impressive participation of 90 students, the competition successfully fostered enthusiasm, critical thinking and a healthy sense of friendly rivalry among budding tech enthusiasts. The event not only tested their technical aptitude but also encouraged collaboration and quick problem-solving under pressure.



SMRITHI CODING COMPETITION

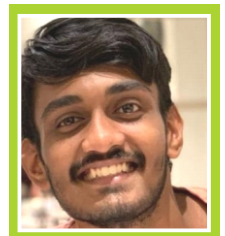
As part of MANTRA 2K24-the annual CSE Fest, THYRA-the Computer Science students association conducted the Smrithi Coding Competition on 7th May 2024, in loving memory of Mr. Shageej M, a beloved alumnus of the 2013-17 batch. The event served as a heartfelt tribute, bringing together budding programmers to celebrate both coding excellence and the enduring legacy of Shageej within the department.



First Prize:
Roshni Genome
(S6 CSE B)



Second Prize:
Govind M H
(S6 CSE A)



Third Prize:
Srinand S
(S6 CSE B)

DESIGN CHALLENGE

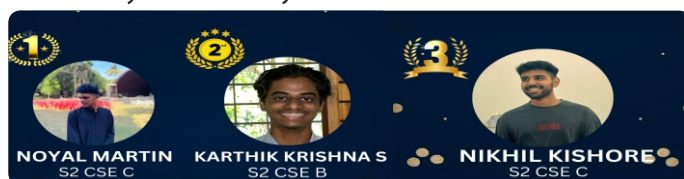
As part of MANTRA 2K24, the annual CSE day celebration, THYRA - the CSE students association, hosted a Design Challenge competition aimed at inspiring creativity and innovation among students. The event provided a platform for participants to showcase their skills in UI/UX design, poster creation and digital creativity. The challenge encouraged students to think out of the box

and design solutions that are not only visually appealing but also user-centric and functional.



FAST FINGERS

As part of its initiative to encourage digital fluency and fun learning, THYRA - the students association of the Computer Science and Engineering Department, hosted an exciting offline competition titled 'Fast Fingers' exclusively for the first-year CSE students.



DEBATE COMPETITION

THYRA - the CSE students association, organized an engaging Debate Competition aimed at encouraging critical thinking, effective communication and confidence in public speaking among the students.

The event brought together participants from various semesters who passionately argued on a range of thought-provoking and contemporary topics relevant to technology, society and student life. Participants were grouped into teams and presented both for and against the motions assigned, with limited preparation time to enhance spontaneity and analytical thinking.



Congratulations.....



Excellence Redefined : 100% Result Achievement!

Sl No	Faculty Name	Subject Name	Batch with Admission Year
1	Chethna Joy	Programming in C	S2 CSE C (2023 Adm)
		Advanced Database	S1 MTech - AI & DS (2024 Adm)
2	Elza George	Sustainable Engineering	S3 CSE C(2023 Admn)
3	Lakshmi S	Data Mining	S6 CSD(2021 Admission year)
4	Sheelu Susan Mathews	Logic System Design	S3 CSE C(2023 Admn)
5	Shimy Joseph	Advanced Machine Learning	S1 MTech - AI & DS (2024 Adm)
6	Pankaj Kumar G	Introduction to AI and NLP	S1 MTech - AI & DS (2024 Adm)
		Deep Learning	S2 MTech - AI & DS (2023 Admn)
7	Arun Kumar M N	Image & Video Analytics	S2 MTech - AI & DS (2023 Admn)
		Data Science for Engineers	S3 MTech - AI & DS (2023 Admn)
8	Hansa J Thattil	Soft Computing	S2 MTech - AI & DS (2023 Admn)
9	Meenu Mathew	Data Analytics	S1 MTech - AI & DS (2024 Adm)

ALUMNI TALK

As part of its ongoing efforts to bridge the gap between academics and the professional world, THYRA - the CSE Students Association, organized an insightful Alumni Talk Session on 30th September 2024. The session was specifically curated for the students of 3rd and 5th semester Computer Science and Engineering, aiming to provide valuable exposure to real-world career experiences and placement preparedness. The distinguished alumni who graced the session were Basil Leju – Software Developer at SOTI (Batch: 2018–2022), Rohit George – Software Engineer at Lektik (Batch: 2019–2023), Rose Stombel – Assistant Systems Engineer at TCS (Batch: 2018–2022). These alumni shared their first-hand placement experiences, elaborated on their current job roles, discussed the challenges and opportunities in the present job market, and offered preparation strategies for campus placements. Their talks were engaging, practical and highly relevant, leaving students with a clearer perspective on navigating their professional journeys.



PROJECT EXPO

As part of MANTRA 2K24, the annual CSE day celebration, THYRA - the student's association of the CSE Department organized a Project Expo to showcase the talents of the final-year students. Held on 8th May 2024, the event witnessed enthusiastic participation from across the department. The judge for the event was Mr. Jijoraj Antony.

First Prize

Team: Edric Bijoy, Eby Kurien, Hisham Muhammad

Project: Visual Scriptor – A Comprehensive Video Analysis Test



Edric Bijoy
S8 CSE A



Hisham Muhammad
S8 CSE A



Eby Kurien
S8 CSE A

Second Prize

Team: Samanuai A, Navneeth M Nambiar, Joseph Gladwin, Vyshakh T Madhu

Project: Video Summarization Using Transformer Model Assisted AC-SUM-GAN



Navaneeth M Nambiar
S8 CSE B



Samanuai A
S8 CSE B



Joseph Gladwin
S8 CSE B



Vyshakh T Madhu
S8 CSE B

Welcome Aboard!

The Department of Computer Science and Engineering extends a heartfelt welcome to the newest members of our faculty team. We are delighted to have you join our vibrant academic community and are confident that your knowledge, passion and dedication will contribute immensely to our department's growth and excellence.



Ms. Sophiya Mathews
Assistant Professor



Dr. Ierin Babu
Assistant Professor



Ms. Soney R Nadh
Assistant Professor



Ms. Hima K G
Assistant Professor



Ms. Anisha Antu
Assistant Professor



Ms. Smija M B
Lab Instructor

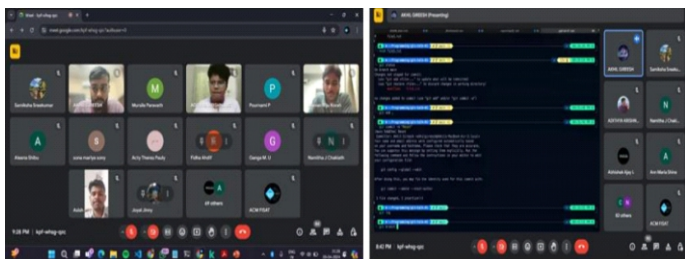


Ms. Joicy K Jose
Lab Instructor

ACM STUDENT CHAPTER

GIT-TALK 2.0: Empowering Students with Git and GitHub

The ACM Student Chapter of FISAT coordinated by Ms. Sruthy Suresh, organized an online session, "GIT-TALK 2.0," on 20th April 2024, led by Akhil Gireesh of S4 CSE A. With 100 participants, the session covered Git and GitHub fundamentals, version control techniques and collaborative development practices. Its interactive format and clear explanations made it a highly informative and engaging experience for all attendees.



ACM Technical Quiz Competition – Mantra 2K24

The ACM Student Chapter, FISAT, hosted a Technical Quiz Competition as part of Mantra 2K24 on 8th May 2024. Fourteen teams participated in an online preliminary round held on 7th May, with the top teams advancing to an intense and intellectually stimulating finals. Mr. Timothy M Abey and Mr. Mithun S Anil (S8 CSE B) secured the First Prize. Mr. Aman Jose and Mr. Abhishek M K (S8 CSE A) won the Second Prize.



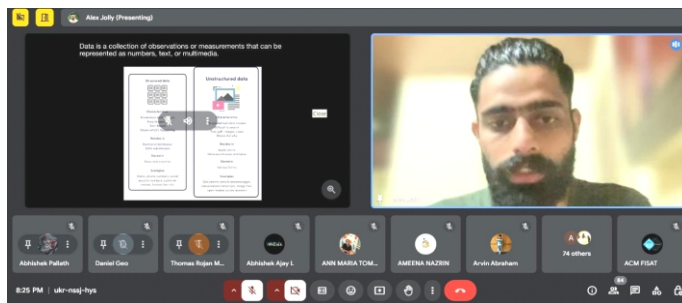
Renascence 2024: Guiding the Next Generation of Tech Leaders

The ACM Student Chapter hosted Renascence 2024, on 5th October 2024 to welcome the first-year Computer Science students. The event featured an ice-breaking session and insightful tech talks by alumni, designed to foster social and leadership skills while offering valuable career guidance to the new batch.



Insightful Talk on "Introduction to Data Science" by Mr. Alex Jolly

The ACM Student Chapter, FISAT, organized a talk on "Introduction to Data Science" on 6th November 2024, led by Mr. Alex Jolly, Data Scientist and Co-Founder of ELNA AI. He shared valuable insights on Data Science fundamentals, real-world applications and career prospects. The interactive session engaged over 100 participants and was well-received for its informative content and inspiring delivery, encouraging students to explore the evolving field of Data Science.



Hour of Code'24

On 9th December 2024, the ACM Student Chapter, FISAT conducted an Hour of Code session at Sacred Heart Public School, Mookkannoor, for the 9th standard students. Led by S3 CSE students, the session introduced "Fundamentals of AI and Scratch Programming" through interactive activities. The enthusiastic response from students made it an inspiring and impactful introduction to coding and technology.



AICTE ATAL FDP Grant Sanctioned

We are pleased to announce that the department has received sanction from the Competent Authority of AICTE for conducting a Six-Day Online Faculty Development Programme under the AICTE Training and Learning (ATAL) Scheme for the financial year 2024–25. A grant of ₹1,00,000/- has been approved to support the successful execution of the programme. This initiative aims to enhance faculty competencies and promote continuous learning in emerging areas of technology.

M.Tech in Artificial Intelligence and Data Science for Working Professionals: Programme Overview

The Department of Computer Science and Engineering proudly launched the M.Tech programme in Artificial Intelligence and Data Science for Working Professionals in 2024, with an initial intake of 15 students. It is designed specifically for the working professionals, the programme offers flexibility without compromising on academic rigor, enabling students to upskill while continuing their careers. With a focus on emerging technologies, hands-on learning and interdisciplinary applications, the M.Tech in AI and Data Science is a stepping stone to leadership roles in the data-driven world.

Congratulations!!!

"Doctor of Philosophy – Honoring Hard Work, Insight and Discovery"



Dr. Ierin Babu

Dr. Ierin Babu has successfully completed her Ph.D from Noorul Islam Centre for Higher Education for her thesis "A competent algorithm of a Machine Learning model for predicting engineering students' academic performance".

Congratulations...

IMAGING REVOLUTION!



Dr. Jyothish K John



Mr. Mahesh C

Dr. Jyothish K John, and Mr. Mahesh C (Dept. of CSE) filed and published a patent for 'A method of image transferring by neural evolution and reinforcement learning using adaptive fractal' through the IPR Cell & R&D Cell, FISAT.

FISAT Consultancy Services Develops Gamified Quiz App for EDUFUN

FISAT Consultancy Services under the leadership of Ms. Hansa J Thattil and Ms. Chethna Joy, Assistant Professors in CSE, has successfully developed an innovative Quiz application for EDUFUN, aimed at transforming the educational experience through gamification and interactivity.

The newly launched app combines traditional learning methodologies with engaging, hands-on activities to help students understand and retain engineering concepts more effectively. By turning conventional lessons into interactive quizzes, the app keeps learners motivated and immersed, enhancing both comprehension and enjoyment.

This groundbreaking application was developed by two talented students, Mr. Jibin Alex and Mr. Anantha Krishnan (S6 CSD), as part of their commitment to leveraging technology for educational advancement.



Mr. Jibin Alex
S6CSD



Mr. Anantha Krishnan
S6CSD

ISTE

ISTE Student Chapter, FISAT

ISTE Kerala Section Awards – 2024



Ms. Ann Maria Biju (S7 CSE A), the Vice Chair of the ISTE Student Chapter, FISAT, has been honoured with the Best Student Award at the ISTE Kerala Section Awards 2024. This prestigious recognition was awarded in appreciation of her outstanding performance, dedication and active contributions to the ISTE community. The department congratulates Ann Maria on this remarkable achievement and wishes her continued success in all her future endeavours.

ARCANE 1.0 – ISTE FISAT's Flagship Technical Fest

ARCANE 1.0, the Flagship Technical Fest, organized by the ISTE Student Chapter, FISAT, highlighted innovation and technical prowess through eight diverse competitions. Students from the Department of CSE, played a pivotal role in organizing and participating in the event. A key feature was the official ARCANE website, developed by a CSE team, enabling smooth registration and information sharing. Two major competitions led by the CSE Department stood out for their innovation and impact: Codecraft - a relay-style coding challenge, that tested the algorithmic problem-solving and teamwork skills of the participants; and Designoff - a web design contest, that emphasized creativity, responsiveness and user experience.



Third National Conference on 'Artificial Intelligence and Cognitive Computing' – NCAICC'24

The Cognitive Computing Research Centre, in association with the Department of Computer Science and Engineering, successfully organized the Third National Conference on 'Artificial Intelligence and Cognitive Computing' (NCAICC'24) on 18th and 19th, December 2024. The conference was held in hybrid mode, combining in-person and virtual participation.

A key highlight of the event was the technical talk on 'Legacy Modernization and Insurance Products' delivered by Mr. Shanmugasundaram S, Manager, Financial Services at Capgemini, Los Angeles, on 18th December. The talk provided valuable insights into the role of AI in transforming legacy systems, particularly within the insurance industry.

Consider this Example

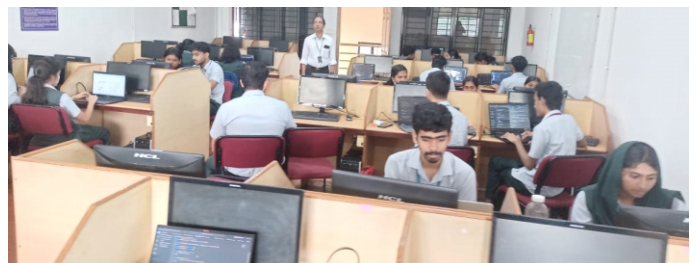
Literature Survey

Existing research provides valuable insights into key technologies and challenges in modern management app development.

Paper Title	Techniques	Merits	Demerits
The Use of Chatbots in Digital Business Transformation: A Systematic Literature Review	AI, ML, NLP	Efficiency in Communication, Cost Effectiveness, 24/7 Availability	Limited Understanding of Complex Queries, Lack of Human Touch, Security Concerns
Highly Scalable Distributed Architecture for Facility Database Supporting Strong Consistency	Key Value Storage, Strong Consistency Model, Scheduling Algorithms	Strong Consistency with Scalability, Improved Performance, Horizontal Scalability, Efficiency	Complexity in Implementation, Limited Focus on Vertical Scalability
COE Enabled Intelligent Carriage Management System for Smart City - A Feasible Perspective	Traditional Carriage Management Approaches, IoT Enabled Smart Urban Management, Capacitated Vehicle Routing Problem (CVRP), Karman-Supercell Optimization Solution (KSO)	Scalability, Data driven, Optimal distance, Resource efficiency and fairness	Inefficiency, infrastructure costs, fairness regions' complexity
User Experience Design Using Machine Learning in Systematic Review	Data Collection Methods, Interactive Machine Learning (IML) Classification Models	Enhanced Personalization, Support for Ethical Design, Improved User-Interface	Technical Challenges, Learning Curve, Collaboration Issues

INNOVATION CHALLENGE – From Vision to Reality

The Innovation Challenge, conducted on 9th September 2024, aimed to inspire students to identify and develop innovative solutions to real-world problems by applying creativity, technical knowledge and problem-solving skills. The event served as a dynamic platform for students to showcase their talents in a competitive yet collaborative environment. Thought-provoking problem statements were introduced by Dr. Arun Kumar M N, encouraging participants to think critically and explore practical, impactful solutions. The event was efficiently coordinated by Mr. Pankaj Kumar G, who ensured its smooth and successful execution. A total of 30 students participated enthusiastically, working individually or in teams to propose innovative ideas addressing societal and technological challenges. The challenge not only fostered design thinking and teamwork but also nurtured an entrepreneurial mindset among the students, equipping them for future innovation-driven endeavours.



CSI

Seminar on 'Scope and Future in the Gaming Industry' (CSI)

On 13th February 2024, the Department of Computer Science and Engineering, in association with BIGBOY, conducted an engaging seminar titled "Scope and Future in the Gaming Industry" for the final year students. The session provided valuable insights into the rapidly evolving world of gaming, highlighting diverse career opportunities, technological trends and industry expectations. Industry experts from BIGBOY shared real-

world perspectives and practical advice, inspiring students to explore the gaming sector as a viable and exciting career path. This initiative reflects the department's commitment to bridging academic learning with industry relevant and emerging career landscapes.



Social Outreach Initiative: Empowering Through Digital Literacy

As part of the commitment to community engagement, the CSE Department, in collaboration with the Mookkannoor Primary Health Centre, organized a workshop on 'Digital Essentials' for the health workers on 23rd August 2024. The session aimed to equip participants with the basic digital skills, enabling them to use technology more effectively in their day-to-day responsibilities. The workshop was well-received, and the attendees expressed sincere gratitude for the practical and impactful training provided.



Bytecamp – Summer Internship Programme

The Department of Computer Science and Engineering successfully hosted Bytecamp, a dynamic summer internship programme tailored for the students of 8th to 12th standards from 7th to 10th May 2024.

The programme witnessed enthusiastic participation from over 50 students representing various schools. Throughout the four-day camp, students were introduced to a variety of emerging technologies and foundational programming concepts, including Virtual Reality, HTML, Python, Web Development, 3D Designing and Hardware Fundamentals.

Designed to be highly interactive and hands-on, Bytecamp provided young minds with the opportunity to develop core technical skills while gaining exposure to real-world applications of technology. The programme received overwhelmingly positive feedback, with participants particularly appreciating the engaging sessions and the practical learning environment.



IBM Internship



Congratulations.....

The department of Computer Science & Engineering is proud to announce that Agnes Shibu (S6 CSE A) & Kevin Rex (S6 CSE B) has been selected for an exciting internship opportunity with IBM, Bengaluru. They will receive a stipend of 30K INR per month.



Ms. Fathima Nazrin, S6 CSD has been selected as the General Secretary of FISAT Student Council.

MoU Signing with NeST

The Department has entered into a strategic partnership with NeST, a global leader in advanced technologies. This collaboration aims to foster industry-academia synergy by facilitating knowledge exchange, internship opportunities, hands-on training and collaborative projects. The alliance marks a significant step toward equipping students with real-world skills and bridging the gap between academic learning and industry needs.



Industry-Academia Collaboration

MoU Signing with Technovalley

On 11th June 2024, a Memorandum of Understanding (MoU) was formally signed between the department of CSE and Technovalley Software Consulting Pvt. Ltd., marking the beginning of a promising partnership aimed at enhancing academic-industry collaboration. This MoU is expected to open up valuable opportunities for student internships, training programmes, knowledge exchange and joint research initiatives, helping to bridge the gap between classroom learning and industry expectations.



Internship at NeST – Hands-On Experience with Angular

As part of an ongoing collaboration with NeST, 34 students of S6 CSE successfully completed an internship focused on the Angular framework, at the NeST facility, located in Infopark, Kakkanad, during February 2024. This industry-oriented internship provided students with valuable hands-on experience in front-end development using Angular, equipping them with practical skills and real-world exposure to modern software development practices.



In-house Internship on Android App Development

The Department of Computer Science and Engineering (CSE) organized an in-house internship titled "Mastering Android App Development with Java" in collaboration with Logix Space Technologies Pvt. Ltd. The programme was conducted from 26th June to 1st July 2024, and was tailored for S5 CSE and CSD students. The sessions were led by Mr. Anish S Nair, Co-Founder & CEO of Logix Space Technologies, who brought industry-rich expertise and hands-on insights into mobile app development. The internship provided students with a strong foundation in Android development using Java, covering both theoretical concepts and practical implementation.



Industrial Visit - 2024

In February 2024, the Department of Computer Science and Engineering organized impactful industrial visits for the students of S6 CSE A, S6 CSE B and S6 CSD, aimed at connecting academic concepts with real-world industry practices.

On 20th and 23rd February, 2024, the students of S6 CSEA and S6 CSE B visited Zephyr Technologies & Solutions Pvt. Ltd., Mangalore, a company well-regarded for its work in machine learning, data science and artificial intelligence. The students gained valuable insights into the company's operational workflows, current technological trends and ongoing research. Industry experts shared practical applications of advanced technologies and discussed the challenges and innovations shaping the future of tech.

Simultaneously, on February 23rd, the students of S6 Computer Science & Design (CSD) visited QBurst, Whitefield, Bangalore. The visit offered a blend of technical exposure and cultural insight into the dynamic work environment of a leading tech firm. The students engaged in active discussions on software development practices, career pathways and industry expectations, making it a holistic learning experience. These visits were instrumental in bridging the gap between classroom learning and industry expectations, equipping the students with a clearer vision of their professional journey ahead.



Course on “Java Performance Engineering and Diagnostics”

To equip the students with essential skills for placement readiness, the Department organized an add-on course of 30 hrs duration titled "Java Performance Engineering and Diagnostics", in January 2024. The course was specifically designed for the students of S6 CSE A, S6 CSE B and S6 CSD, focusing on practical aspects of Java performance optimization and the diagnostic techniques.

The sessions were expertly led by Mr. Mahesh C, Assistant Professor and Chief Technical Officer at FISAT, who brought a wealth of experience and hands-on knowledge to the classroom. The course provided valuable insights into efficient coding practices, debugging and performance tuning - the key areas for technical interviews and industry projects.



Course on “Full Stack Development Using Java”

To enhance placement readiness, the Department of Computer Science and Engineering conducted an add-on course on “Full Stack Development using Java” from 24th to 28th June 2024, for S7 CSE and CSD students. Led by Mr. Mahesh C, Assistant Professor and CTO at FISAT, the course offered hands-on training in frontend and backend development.

In July 2024, the department organized additional courses to strengthen technical skills across batches. S5 students attended “Cloud Computing using AWS” by Dr. Jyothish K John, covering cloud architecture and AWS services. S3 students were trained in “Python Programming” by Ms. Shimy Joseph, focusing on coding basics. S7 students learned “Database Management Systems” from Ms. Divya John, with emphasis on SQL and data modeling. These programmes provided the students with practical experience and industry-relevant skills.

Placement Statistics (2020-2024)

Despite the economic uncertainties and industry challenges, the 2020-24 batch of CSE B-Tech achieved remarkable success in campus recruitments. Notable recruiters included TCS, CTS, SAP, Tata Elxsi, People10, SOTI, UST and Qburst.

No	Name	Job Offers	Company
1	AARON CHRISJO ANIL	1	Sutherland
2	AASHIN K S	1	UST
3	ABHAY DAS C	1	Sutherland
4	ABHIJITH SHIBU	2	TCS, Webgeon Results
5	ABHISHEK M K	2	TCS, Speridian
6	ABISHEK GERY	1	Webgeon Results
7	ACHYUTH ANILKUMAR	4	Sutherland, TCS, TCS-Digital, People10
8	AISWARYA MADHU	3	TCS, TCS-Digital, People10
9	AJAY P P	3	Sutherland, KGISL, TCS-Digital
10	AJAY RENJEN	3	Sutherland, 90+ My Tuition App, Webgeon Results
11	AJWIN WILSON	1	KGISL
12	AKASH SURESH	2	TCS-Digital, People10
13	AKHILA J A	4	Accenture, Ruby Seven Studios, Quest Global, TCS-Digital
14	AKSHAY K	3	TCS, TCS-Digital, People10
15	ALBIN BABYCHAN	1	Tata Elxsi
16	ALEENA SAJI	2	Tata Elxsi, TCS
17	ALEENA UNNI	2	UVJ, Worekarily
18	AMAN JOSE	3	TCS, TCS-Digital, Probeplus
19	ANAGHA SUNDER	2	TCS-Digital, UST
20	ANANTHA KRISHNAN T H	2	TCS, UST
21	ANANYA SUMIT	3	Accenture, Tata Elxsi, TCS-Digital
22	ANJANA S KAMATH	5	Accenture, TCS-Digital, UVJ, TNP Consultants, Worekarily
23	ANJO PAUL PETER	1	Poornam
24	ANJUSHA WILSON	3	TCS, Kalkitech, People10
25	ANNAPOORNA P	2	TCS, UVJ
26	ANN B MARIYAM	1	Tata Elxsi

27	ANN JOSE	2	Sutherland, CodeYoung
28	ANSAL E S	1	UST
29	ANUPAMA VIDYASAGAR	2	TCS-Digital, People10
30	ANUSREE PRAKASH C P	3	Accenture, TCS, Speridian
31	APARNA S MENON	1	UST
32	ARCHANA K	2	TCS, People10
33	ARJUN GOPI K	2	TCS-Digital, UST
34	ARSHA M JOBY	2	CTS, Poornam
35	ARSHIA ASHOK	4	Sutherland, TCS-Digital, ESAF Small Finance Bank, Webgeon Results
36	ASHAL NIJU	1	Sutherland
37	AUSTIN VARGHESE	1	Poornam
38	DEVINANDA S K	2	Sutherland, People10
39	DREAMA PAUL	3	Accenture, Tata Elxsi, TCS
40	EBIN J ALAPATT	2	TCS, ThinkPalm Technologies Pvt Ltd
41	EBY KURIAN THALAKODAN ANTONY	2	TCS, People10
42	EDRIC BIJOY PAUL	2	TCS-Digital, TCS Prime
43	EVANS NEVIL	1	Intellipaat
44	GAUTHAM S	2	90+ My Tuition App, Webgeon Results
45	GAUTHAM SURESH	1	90+ My Tuition App
46	GOURI RAMESH	3	Tata Elxsi, TCS-Digital, UST
47	GOVIND K B	2	Sutherland, Intellipaat
48	HANA SHANAVAS	3	Accenture, TCS, People10
49	HANIYA ABDUL RAHMAN	1	CodeYoung
50	HANNA ANTONY	4	CTS, Qburst, Webgeon Results, TCS-Digital
51	HELEN ANIL	3	TCS, 90+ My Tuition App, Worekarily
52	JATIN KAARAAL MOHAN	1	Sutherland

53	JENNI GLEETUS	1	90+ My Tuition App
54	JESVIN JAYAN	1	Webgeon Results
55	JESWIN JOSE	1	UST
56	JOAN DAVID	3	Accenture, TCS-Digital, People10
57	JOEL P LALU	2	TCS, ESAF Small Finance Bank
58	JOSEPH GLADWIN GEORGE	2	People10, TCS Prime
59	JOSEPHINE JAMES	3	Accenture, Tata Elxsi, TCS
60	JOSNA JOSE	2	Tata Elxsi, TCS-Digital
61	JOYAL DEVASSY	1	SAP
62	KEERTHI BINU	4	TCS-Digital, People10, UST, TCS Prime
63	KRISHNANAND M	1	90+ My Tuition App
64	K SANJIDH RAHMAN	4	Tata Elxsi, TCS, Jobin & Jismi, Infobell IT Solutions
65	K SHWETHA SUGESH	1	People10
66	LEYA DAPHY	2	People10, TNP Consultants
67	LIYA MARY PAUL	2	Poornam, TCS-Digital
68	MALAVIKA. K	1	KGISL
69	MOHAMED ISHAAN	2	Poornam, Nalashaa Solutions
70	NADANESWAR A V	5	ThinkPalm Technologies Pvt Ltd, Sasken, Ruby Seven Studios, Quest Global, TCS-Digital,
71	NASHITA NOUSHAD	2	TCS-Digital, People10
72	NAVNEETH M NAMBIAR	5	CTS, Tata Elxsi, TCS-Digital, UST, Digiledge
73	NEETHA FRANCIS	1	Webgeon Results
74	NEHA MARIYA SHAJU	4	Accenture, TCS, KGISL, TCS-Digital
75	NIHALA KALLIL	1	People10
76	NIKHIL RAVI	1	AMAZON INDIA
77	NIRMAL MICHAEL	6	KGISL, Ruby Seven Studios, Orion, UVJ, 6D Technologies, Quest Global
78	NITHIN RAJ	4	CTS, Sutherland, KGISL, TCS-Digital
79	PAUL JOHN	3	Sutherland, KGISL, TCS-Digital
80	PRANAV PRIYESH	2	Tata Elxsi, TCS
81	P V KEERTHANA	2	Accenture, Digiledge

82	RAINA ELSA BIJU	1	People10
83	ROHITH REJU	2	Sutherland, KGISL
84	ROSE BENNY	3	Poornam, Speridian, TCS-Digital
85	ROSHAN RAFEEQUE V P	1	TCS
86	SAJATHA ILIAS	1	People10
87	SAMANUAI A	5	Tata Elxsi, Qburst, TCS-Digital, UST, TCS Prime
88	SAMUEL SAJI	2	Qburst, SISA Information Security
89	SEVAGH V	3	CTS, TCS, UVJ
90	SHADA S M	1	TCS
91	SHIFA SAGEER	2	People10, UST
92	SMERA JOSEPH	3	CTS, Tata Elxsi, TCS
93	SMRUTHY S.NAIR	2	TCS, KGISL
94	SNEHA JOSEPH	3	Tata Elxsi, TCS-Digital, People10
95	SNEHA SIBICHAN GEORGE	2	Tata Elxsi, Mitsogo
96	SREELAKSHMI VINOD	4	Accenture, Tata Elxsi, TCS, Qburst
97	SREERAG S	1	KGISL
98	TESSA GEORGE	3	TCS-Digital, People10, UST
99	TESSA THANKACHAN	1	TCS
100	VAISHNAVI REJIKUMAR	2	TCS, TCS-Digital
101	VISMAYA PRATHAP	3	Accenture, TCS, UVJ
102	VYSHAKH MADHU T	2	Kalkitech, TCS Prime
103	YADU KRISHNA N P	1	90+ My Tuition App



Joseph Gladwin, from the CSE Batch of 2020-24, has been placed at Amazon with an impressive package of ₹47.88 LPA.

Reconnect '24: A Homecoming to Remember

The Department proudly hosted Reconnect '24 – Alumni Reunion on 2nd November 2024, at the college auditorium. The event served as a vibrant platform to renew connections, celebrate shared memories, and enhance alumni engagement in the department's continued growth.

The programme commenced with a warm and heartfelt welcome address by Dr. Jyothish K John, Head of the CSE Department. The gathering was further enriched by the presence of esteemed dignitaries, including Dr. Shimith P R, Chairman of FISAT, Dr. Mini P R, Vice Principal, and Dr. Prasad J C, former HOD, CSE, who delivered a touching felicitation, reflecting on the department's journey and the enduring bond with its alumni.

The reunion was meticulously coordinated by event coordinators Dr. Hema Krishnan and Ms. Divya John ensuring a memorable experience for all the attendees. The event saw enthusiastic participation from over 200 alumni, many accompanied by their families, filling the hall with joy, nostalgia and a spirit of togetherness. The department took the opportunity to acknowledge the invaluable contributions of alumni in key areas such as placements, accreditation and academic enrichment, recognizing them as vital stakeholders in shaping the department's future. Reconnect '24 was more than just a reunion, it was a celebration of legacy, community and collaboration.



Bidding Adieu: Celebrating the Class of 2024

With a beautiful blend of joy, pride and nostalgia, the Department bid an emotional farewell to the graduating Class of 2024. The event, filled with laughter, love and lasting memories, served as a fitting tribute to the remarkable journey of our final-year students. Organized with great enthusiasm by the junior students and faculty, the farewell celebration was a vibrant mix of cultural performances, interactive activities and heartfelt tributes. Faculty members delivered special addresses, commending the outgoing students for their dedication, growth and achievements throughout their time at FISAT. Juniors took the stage to express their admiration and gratitude, sharing how the senior batch inspired them through leadership, mentorship and lasting friendships.

The event not only marked the end of an academic chapter but also the beginning of new adventures. As the Class of 2024 sets forth into the world, pursuing higher studies, professional careers, or entrepreneurial dreams—they carry with them the values, knowledge and memories nurtured within these walls. The Department extends its warmest wishes for success, happiness and fulfillment in every path they choose.



FISAT HORIZON Club Launched – Igniting Curiosity in Emerging Tech

In a landmark moment for tech enthusiasts, the FISAT HORIZON Club was officially launched during ICEFOSS 2024, with a vision to delve into the world of Virtual Reality (VR) and other emerging technologies. This student-driven initiative is designed to be a hub of innovation, exploration and hands-on learning. The club seeks to empower students to push the boundaries of technology through collaborative projects, expert sessions and real-world applications.



Launch of TECHTODAY – The Annual Technical Magazine of the CS Department

The Department of Computer Science and Engineering is proud to announce the successful launch of its annual magazine, TECHTODAY, a celebration of knowledge, creativity and innovation. Curated under the expert guidance of our dedicated staff editors, Dr. Hema Krishnan and Ms. Sruthy Suresh, this edition showcases thought-provoking articles and insights on cutting-edge topics such as Artificial Intelligence, Blockchain and the Internet of Things.

TECH TODAY serves as a vibrant platform for both students and faculty to express their perspectives on emerging technologies, fostering a collaborative spirit and a culture of continuous learning within the department.



The magazine was officially unveiled during MANTRA 2K24, with our esteemed Principal presiding over the launch ceremony. Special recognition goes to the student editorial team—Fahmitha P A, Irine Theresa Antony, Eveline Jeson, Merin Joe, Mariya Rahael Martin, Jude Abi and Midhun K, whose commitment, creativity and editorial excellence brought the publication to life.

CSE TRIP





Dr. Dhanoop Karunakaran

Dear FISAT,

It brings me immense joy to connect with FISAT after all these years. I graduated with a B.Tech in Computer Science and Engineering in 2008. I cherish my time there with the knowledge I gained in computer science, which has helped me throughout my software engineering career. This foundation also proved valuable in my recent PhD pursuits. FISAT has always had a place in my heart, with lifelong friendships built there. Lastly, the CS department and teachers have played a pivotal role in shaping who I am today.

Sincerely,

Dr. Dhanoop Karunakaran (2004-2008 Batch)

Specialist in Emerging Technologies,
Insurance Australia Group (IAG), Australia.



Mr. Krishna Prasad K

It's been almost 13 years since I graduated from FISAT, and I can honestly say that the technical skills I learned there—both in class and through extracurricular projects—totally launched my career. That strong foundation made everything else so much easier, because FISAT prepared me for way more than just a job. I'll always be grateful to FISAT and the CSE department. Thank you!

Mr. Krishna Prasad K (2008-2012 Batch)

Senior Manager,
Cybersecurity, VISA, Bangalore.



Ms. Ayisha E A

As a proud 2023 graduate of FISAT, I am grateful for the exceptional academic and extracurricular opportunities I received during my time at the institution. FISAT provided me with a well-rounded platform to excel not only in academics but also in various extracurricular activities, helping me grow holistically.

The dedicated and passionate faculty were always a driving force, constantly inspiring and guiding us toward excellence. Their unwavering support played a crucial role in shaping my academic journey.

I was fortunate to have numerous opportunities to express myself on various platforms, including national and international conferences.

Moreover, FISAT provided a strong foundation for research, offering invaluable guidance that helped me publish conference papers, along with excellent placement opportunities that set the stage for a successful career. The institution fostered an environment that encouraged innovation and exploration, preparing us for future challenges.

I am truly grateful for the enriching experience at FISAT, which has played a pivotal role in shaping my career and personal growth.

Ms. Ayisha E A (2019-2023 Batch)

Project Management Office Analyst,
Carestack, Trivandrum.

Kudos!!!

Graduation Success: Class of 2024

The Computer Science and Engineering batch of 2020–2024 has achieved an impressive programme pass rate of 82.26%, marking a significant milestone in academic excellence. Notably, 17 students graduated with Honors, reflecting their outstanding performance and dedication throughout the course. This success stands as a testament to the hard work of the students, the guidance of our faculty, and the department's continued commitment to academic rigor and student achievement.

ACADEMIC PERFORMANCE (10 SGPA /TOPPERS) 2024-2025



Henna Kuriakose
2023-2027 CSE B
SGPA - 10



Keerthana R Nambiar
2023-2027 CSE B
SGPA - 10



Ganga M U
2023-2027 CSE B
SGPA - 10



Nandhana Krishnan
2023-2027 CSE C
SGPA - 9.86



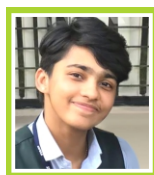
Sreealakshmi Pyarikesh
2023-2027 CSE C
SGPA - 9.86



Amrutha Lakshmi S
2023-2027 CSE A
SGPA - 9.79



Ayisha Mol
2023-2027 CSE A
SGPA - 9.79



Sona Nyjo
2023-2027 CSD
SGPA - 9.76



Anjali
2022-2026 CSE A
SGPA - 9.86



Swetha Sathyan
2022-2026 CSE C
SGPA - 9.73



Josna John
2022-2026 CSE B
SGPA - 9.68



Mohamed Jishad
2022-2026 CSD
SGPA - 9.36



Akshaya K S
2022-2026 CSD
SGPA - 9.36



Aleena Mathews
2021-2025 CSE A
SGPA - 9.7



Keerthana Vijay
2021-2025 CSE B
SGPA - 9.7



Salmiya Nazeer
2021-2025 CSD
SGPA - 8.85

Stellar Performance in University Exam : (CSE and CSD Students Shine!)

The students of the CSE and CSD branches have demonstrated exceptional performance in the university exams, achieving outstanding pass percentages across multiple batches. The results are as follows:

Admission Year 2021: CSE – **88.28%**, CSD – **90.48%**

Admission Year 2022: CSE – **91.37%**, CSD – **84.13%**

Admission Year 2023: CSE – **88.83%**, CSD – **78.13%**

Best Academic Performer (2020-24)

The Best Academic Performer Award is presented to a student who has consistently demonstrated exceptional academic excellence throughout the duration of their undergraduate studies. This award recognizes not only high academic achievement, but also a strong commitment to learning, discipline and intellectual growth. This year, Mr. Vyshakh T Madhu has been awarded with the Best Academic Performer Award with an outstanding academic record and an unwavering dedication to his studies.



Mr. Vyshakh T Madhu

Best Outgoing Student (2020-24)

The Best Student Award is a prestigious recognition presented to a graduating student who exemplifies excellence in academics, leadership, innovation and active participation in the departmental and institutional activities. This award celebrates holistic growth and honours a student who has consistently gone above and beyond throughout the academic journey. In 2024, Mr. Navneeth M Nambiar has been honoured with the Best Outgoing Student Award and this accolade reflects his unwavering dedication, academic brilliance and remarkable contributions to the department.



Mr. Navneeth M Nambiar

Congratulations!

For securing
B.Tech Degree with Minor
(Minor in Electronics and Communication Engineering)



Anjana S Kamath
8.75



Anjusha Wilson
8.80



Aleena Unni
8.98



Aman Jose
7.63



Keerthi Binu
9.55



Liya Mary Paul
9.13

CSE (2020-2024 batch)

B.Tech Degree with Honours



Hana Shanavas
9.21



Joan David
9.36



Josephine James
9.30



Josna Jose
8.98



Keerthi Binu
9.55



Leya Daphy
8.67



P V Keerthana
9.38



Rose Benny
9.15



Sajatha Illias
8.93



Shifa Sageer
9.41



Sneha Joseph
9.28



Sreelakshmi Vinod
8.98



Tessa George
9.07



Tessa Thankachan
8.93



Vaishnavi Rejikumar
9.06



Navneeth M Nambiar
9.63



Vyshakh Madhu T
9.74

CSE (2020-2024 batch)

Congratulations...

We are thrilled to congratulate Mr. Abhimanue S (S6 CSE A) for qualifying GATE 2024 in the Computer Science and Engineering stream. Your hard work, dedication and perseverance have been paid off, and this achievement stands as a testament to your commitment to excellence. The entire CSE department is proud of your success and wishes you the very best in all your future endeavours.



Mr. Abhimanue S
S6 CSE A



Congratulations.....

Mr. Goutham Krishna of 2023 admission CSE A batch has been selected to KTU Football team. The CSE department eagerly looks forward to your future prospectus and wishes you all the best ahead.



Mr. Goutham Krishna
S3 CSE A

Congratulations!!!

SU Vyshnav Rajesh Nair for Participation in RDC Camps

The FISAT NCC Unit of 22 Kerala Battalion proudly celebrates the exceptional achievements of Senior Under Officer (SU) Mr. Vyshnav Rajesh Nair, who represented FISAT and demonstrated exemplary dedication in a series of RDC preparatory camps held in 2024. These camps served as a platform for rigorous training, leadership development and preparation for the prestigious Republic Day Camp (RDC).



Mr. Vyshnav Rajesh Nair
SS CSE C

Pre-IGC RDC Camps

- ◆ Pre-IGC RDC 1, 2024: Held at Vimala College, Thrissur, from 22nd to 31st July 2024, SU Mr. Vyshnav Rajesh Nair began his RDC journey by showcasing his skills and gaining valuable insights from seasoned instructors.
- ◆ Pre-IGC RDC 2, 2024: Conducted at the Naval Base, Kochi, from 29th August to 7th September 2024, this phase emphasized discipline, endurance, and naval drills.

"May your NCC journey be a source of personal growth, resilience and valuable life lessons, and also an inspiration for the youth. All the best wishes!!!"

Congratulations Hackathon Masters...



Ms. Rozalia C Varghese, Mr. Sahil Shefeek, Ms. Susan Joy and Ms. Shifa Mol K H of 2022 admission CSE C bagged the First Position in the 12-hour Hackathon WIEve Epilogue 2.0 conducted by IEEE WIE AG FISAT on the 26th and 27th of July 2024.



Ms. Sandra Mariya George, Ms. Stiya Johnson, Mr. Vishnuhari V A and Ms. Nandana J of 2022 admission CSE C bagged the Second Position in the 12-hour Hackathon WIEve Epilogue 2.0 conducted by IEEE WIE AG FISAT on the 26th and 27th of July 2024.



Mr. Gautham Prasanth of 2021 admission CSE A and Ms. Gouri S of 2022 admission CSE B bagged the First Prize in the HACKNITE-24, 24-hour Hackathon on 8th May 2024, hosted by BMC College, Sasthamkotta.



Mr. Akhil Babu M K of 2021 admission CSE A and Mr. Timothy M Abey of 2021 admission CSE B bagged the First Prize in the Hackathon of Artificial Intelligence - Alspark on the 15th February 2024, hosted by FISAT.

Mr. Saif Mohamed Shaheed and Mr. Sreegovind K S of 2024 admission CSE C bagged the First Prize in the ACM Student Chapter ACodeM-24 Hackathon, held on 17th December 2024, hosted by FISAT.

Mr. Noyal Martin and Mr. Nikhil Kishore of 2023 admission CSE C bagged the Second Prize in the ACM Student Chapter ACodeM-24 Hackathon, held on 17th December 2024, hosted by FISAT.

Ms. Simna Rachel Jacob of 2024 admission CSE C secured the Fourth Prize in the Arcane 1.0, organized by the IEEE Student Branch on the 2nd and 3rd of November 2024, hosted by the College of Engineering, Chengannur.

Mr. Benjamin James of 2023 admission CSE C bagged the First Prize in the TECHXINFINIA-24 Hackathon, on 28th September 2024, hosted by Sahrdaya College of Engineering.

SI No	Student Name	Achievement
1	Shivani Krishnan 2022 admn CSE C	Third Prize in Quiz on Figma held in IEEE MINDMELD, September 2024
2	Sanjay Njarakkattil 2022 admn CSE C	First Prize in COSMOS 2.0 - National Space Day Quiz, September 2024
3	Sooraj P 2022 admn CSE C	Second Prize in COSMOS 2.0 - National Space Day Quiz, September 2024
4	Vaishnav M 2022 admn CSE C	Third Prize in COSMOS 2.0 - National Space Day Quiz, September 2024
5	Sahil Shefeek 2022 admn CSE C	Special Mention Award, 12-hour Hackathon WIEve IEEE Epilogue 2.0, July 2024
6	Vishnuhari V A, Stiya Johnson 2022 admn CSE C	First Prize in Design Challenge, MANTRA'24, May 2024
7	Aryan Shibu Thomas Daniel Geo 2023 admn CSE A	Second Prize in Debate Competition, MANTRA'24, May 2024
8	Adhwai Shyjith 2023 admn CSE A	First Runner-up in KTU D Zone Championship for FISAT Men's Basketball Team, October 2024 First Runner-up in KTU All Kerala Intercollegiate Competition for FISAT Men's Basketball Team, October 2024
9	Midhun K 2022 admn CSD	First Prize in Design Dash-1, UI/UX Design Competition, Impulse 5.0, Aug 2024
10	Goutham Krishna 2023 admn CSE B	Selected as Best Player of the Tournament in Intercollegiate Football Tournament, CET, Trivandrum, May 2024 Participated in South Zone Inter University Football Tournament, SRM, Chennai, December 2023 Selected as Best Player of the Tournament in Intercollegiate Football Tournament, CET, Trivandrum, May 2024 Participated in Inter Zone Football Tournament 2024, TKM Kollam, 8 th November 2024 Participated in All India Inter University South Zone Football Tournament conducted by University of Calicut at St. Joseph's College (Autonomous), Devagiri, 21st-28th December 2024

11	Nikita Mary Jassan 2023 admn CSE C	First Prize in Inter Zone (D Zone) Football Tournament, RSET, 4th January 2024
12	Aron Rose 2024 admn CSE A	Selected to represent KTU Chess Team
13	Fathin Mohamed Shafie 2023 admn CSE B	Successfully completed "Introduction to HTML, CSS, JavaScript, Introduction to Software Engineering and Github", an Online Non-Credit course authorized by IBM and offered through Coursera, July 2024
14	Hana O P 2023 admn CSE B	Second Prize in Hackathon - Arcane 1.0, August 2024
15	Aleena Mathews 2021 admn CSE A	Shenoy George Memorial Award for Best Performer in Mathematics, April 2024
16	Anusree Prakash C P 2020 admn CSE A (Pass Out)	Selected as Captain of KTU 'Tug of War' Women's Team, May 2024
17	Gokul K Jayan 2021 admn CSE A	Participated in All Kerala Intercollegiate Basketball Tournament, CET, Trivandrum, October 2024 Winner in Basketball D Zone
18	Nijai Giri 2021 admn CSE B	Selected to represent KTU Chess Team
19	Ann Maria Biju 2021 admn CSE A	Best Student Award at ISTE Kerala Section Awards, October 2024
20	Gourinandhan P 2022 admn CSD	Second Position in KTU University Intercollegiate (Inter Zone) Championship for FISAT Men's 'Tug of War' Team
21	Amal Krishna M L 2021 admn CSE A	Winner in Volleyball D Zone Tournament Winner in Volleyball Inter Zone Tournament Volleyball Inter University Player at PES University, Mandya, Karnataka
22	Shinas S 2021 admn CSE B	Winner in Volleyball D Zone Tournament Winner in Volleyball Inter Zone Tournament
23	Jewel Joby 2021 admn CSE B	Winner in Women's Volleyball D Zone Tournament
24	Roshni Genome 2021 admn CSE B	Winner in Football Inter Zone Tournament Runner-up in Volleyball D Zone Tournament
25	Ruby Jacob, Nandana U 2021 admn CSE B	Runners-up in Volleyball D Zone Tournament
26	Al Ameen A K 2023 admn CSE A	First Prize in All Kerala Intercollegiate Basketball Tournament, Viswajyothi College of Engineering and Technology, Vazhakkulam
27	Archana S 2023 admn CSE A	First Prize in KTU University Intercollegiate (D Zone) Football Tournament First Prize in KTU University Intercollegiate (Inter Zone) Football Tournament, TKM, Kollam KTU Inter-Zone Trophy for FISAT Women's Football Team, April 2024


28	Jickson James, Joyal Johnson 2023 admn CSE B	Participated in Men's Kabaddi Team and qualified for the All Kerala Inter Zone Championship.
29	Shivani Sunil 2023 admn CSE C	Selected to represent the KTU Women's Basketball Team in the South Zone Inter University Championship, MG University, Kottayam
30	Aman Mohamed K 2022 admn CSE A	Winner in All Kerala KTU Inter Zone Football Championship for FISAT Men's Football Team
31	Nanda Pradeep 2022 admn CSE C	Winner in KTU Inter Zone Championship for FISAT Women's 'Tug of War' Team, March 2025
32	Vaisali M 2024 admn CSE C	Selected to represent KTU at South Zone University Volleyball Championship
33	Agnes Shibu 2021 admn CSE A	Selected to represent KTU at the National Integration Camp 2024 at Janapada Loka, Raman Nagar, Karnataka

MOOC course achievements by students

2022 CSE A	Amrit Lal P Siv	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE A	Alan Antony	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Tristin Titus	NPTEL Elite Certificate 'Python for Data Science', Jan-Feb 2024
2022 CSE C	Sheron Roy K Y	NPTEL Elite Certificate 'Programming, Data Structures and Algorithms using Python', Jan - Mar 2024
2022 CSE C	Siddharth Nair S	NPTEL Elite Certificate 'Programming, Data Structures and Algorithms using Python', Jan - Mar 2024
2022 CSE C	Sanjay Pathiyil	NPTEL Elite Certificate 'Programming, Data Structures and Algorithms using Python', Jan - Mar 2024
2022 CSE C	Rozalia C Varghese	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Niranjan N B	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Sreyas Giri	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Susan Joy	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Royal Kuriakose M	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Nandana P K	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Punnya R	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jan-Apr 2024
2022 CSE C	Rhithika M Pradeep	NPTEL Elite Certificate 'Data Structures and Algorithms Using Java, Jul-Oct 2024
2022 CSE C	Sanjana S Nair	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jul-Oct 2024
2022 CSE C	Nanda Pradeep	NPTEL Elite Certificate 'The Joy Of Computing Using Python, Jul-Oct 2024
2023 CSE A	Anusha Sara Shaji	NPTEL Elite Certificate in "Problem solving through Programming in C", April 2024
2023 CSE A	Ann Rose P J	NPTEL Elite Certificate in "Problem solving through Programming in C", April 2024
2023 CSE A	Adel Joby Alias	NPTEL Elite Certificate in "Python for Data Science", August 2024



Congratulations...
CHARTING THE METAVERSE!



Sonal Sabu Thattil and Jyothy P R of 2021 Admn secured the 2nd prize, while Polwin Davis of 2021 Admn claimed the 3rd prize in the Tryzens Paper Presentation Contest at Trivandrum, focusing on the potential of the metaverse in retail.

Congratulations...
COSMIC EXCELLENCE!



Jibin Alex, Paul Antony, and Ananda Krishnan of 2022 Admn CSD won 2nd place (Kerala) in the NASA Space Apps Challenge organized by RSET & Unique World Robotics.

Congratulations...
THE THIRD EYE OF INNOVATION!



Adwath Shaju, Ananthu R, Antony Varghese, and Bharat Venugopal, students of 2021 Admn win top honors at EIMR's entrepreneurship contest with their project 'Third Eye,' securing a seed funding of rupees 7 lakhs.

Congratulations...
ACM GRAND PRIZE!



ACM FISAT proudly celebrates Achyuth Anilkumar, Chapter Chair of 2020 Admn, for securing the prestigious 2023-2024 Ambassadors for ACM Grand Prize, earning a Microsoft Surface Go 2.

Staff/Student Publications

- ◆ Krishnan, Hema, Joseph Gladwin, Navneeth M. Nambiar, A. Samanuai, and T Vyshakh Madhu. "Video summarization using transformer model assisted AC-SUM-GAN", 2024 4th International Conference on Intelligent Technologies (CONIT), pp. 1-8. IEEE, 2024.
- ◆ Ashmi Subramanian, Dr. Reshmi R, Angel Shaju, Ann Maria Anto, Aparna Joshi, "Image Steganography: A Short literature review and suggested improvement for OMR based Steganography technique", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN: 978-93-340-8488-7, 2024.
- ◆ Lakshmi S., and C. P. Maheswaran. "Effective deep learning based grade prediction system using Gated

Recurrent Unit (GRU) with feature optimization using analysis of variance (ANOVA)", Automatika 65, no. 2 (2024): 425-440.

- ◆ Johnson, Neenu, MB Santosh Kumar, and T. Dhannia. "Lightweight CNN and blockchain integrated secured model for crop disease information system", International Journal of Sustainable Agricultural Management and Informatics 10, no. 2 (2024): 162-184.
- ◆ Anuranj Pullanatt, and A. Anitha. "A comparative analysis: optimal node selection in large data block transmission in VANET using various node relay optimization algorithms", Automatika 65, no. 1 (2024): 179-191.
- ◆ Dr. Anilkumar M N, Joshuva Alex Mathews, Sandra Babu, Muhammed Nihal T, Rosemary Thomas, Ambili

- A R, Pankaj Kumar G, "A multimodal fusion approach using image and audio for effective bird detection in agriculture", Kerala Technological Congress, 2024.
- ◆ Dr. A Nagappan, Nithya Paul, "Breast Cancer Detection Using Machine Learning Algorithms - A Survey", INDIAN JOURNAL OF NATURAL SCIENCES (IJONS), TamilNadu Scientific Research Organisation, Pudukkottai, Tamil Nadu, India, 2024.
 - ◆ Agnes Shibu, Govind M H, Hariprasad R, Gregory Kurien, Ierin Babu, "VISION: Visually Impaired Support through Intelligent Object Narration", presented paper in the National Conference on Artificial Intelligence and Cognitive Computing, FISAT, December 2024.
 - ◆ Ierin Babu, Ajay Krishna M, Alan Philip, Nikitha Varghese, Treasa Antony "A Machine Learning Framework for Early-Stage Detection of Autism Spectrum Disorders", presented paper in the National Conference on Artificial Intelligence and Cognitive Computing, FISAT, December 2024.
 - ◆ Noble G, Nalesh S, Kala S, Akash Kumar, "Configurable Sparse Matrix - Matrix Multiplication Accelerator on FPGA: A Systematic Design Space Exploration Approach with Quantization Effects", Alexandria Engineering Journal, Elsevier, March 2024.
 - ◆ Abhinav K B, Ancy Ann Philip, Akhil Babu MK, Panjani K, Pankaj Kumar G, "Soil Classification and Moisture content Estimation from soil images using Image processing and Deep learning", KETCON held at Ahalia School of Engineering and Technology, 16th February 2024
 - ◆ Edric Bijoy Paul, Eby Kurian, Hisham Muhammed, Pankaj Kumar G, "Advancements in Video Analysis and Processing: A Comprehensive Literature Review", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN: 978-93-340-8488-7, June 2025, pp. 71–87.
 - ◆ Anupama R H, Ayisha E A, Emmanuel Jojoy, Jojo Jose, Anitha T Nair, "Generating Clothing Visualization from Sketches", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN: 978-93-340-8488-7, June 2025, pp. 88–99.
 - ◆ Ebin J Alapatt, Emil Martin, Gautham Suresh, Pankaj Kumar G, "V.E.R.D-Net: Video Enhancement and Recognition in the Dark Pipeline", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN: 978-93-340-8488-7, June 2025, pp. 100–109.
 - ◆ Sabir Ebrahim, Richard T S, Sabarinath R, Mohammed Shehzad Hanif, Remya R, Meera Treasa Mathews, "Literature Survey - Realtime Video Based Fire Detection", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN: 978-93-340-8488-7, June 2025, pp. 110–120.
 - ◆ Dr. Reshmi R, Angel Shaju, Ann Maria Anto, Aparna Joshi, Ashmi Subramanian, "Image Steganography: A Short Literature Review and Suggested Improvement for OMR-based Steganography Technique", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN: 978-93-340-8488-7, June 2025, pp. 121–132.
 - ◆ Sreekutty C S, "Sentiment Analysis of Twitter Data using Logistic Regression", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN -978-93-340-8488-7, pp. 35–42.
 - ◆ Riny Roy, "Seq2Seq Chatbot", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN -978-93-340-8488-7, pp. 43–50.
 - ◆ Kavya A.S, "Sentiment Analysis of IMDb Movie Reviews Using LSTM", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN -978-93-340-8488-7, pp. 51–60.
 - ◆ Shafaf Musthafa, "Fake News Detection Using Logistic Regression", Proceedings of Second National Conference on Artificial Intelligence and Cognitive Computing, ISBN -978-93-340-8488-7, pp. 61–70.

SI No	Faculty member / Student	Achievement
1	Dr. Jyothish K John	NPTEL Elite Silver Certificate in "Introduction to Internet of Things" (January-April 2024)
2	Mr. Pankaj Kumar G (Principal Investigator) Dr Arun Kumar M N (Co-Investigator)	Funding - Financial Assistance for Project from APJ Abdul Kalam Kerala Technological University (June 2024)
3	Ms. Simi Stephen	NPTEL Elite Certificate in "Introduction to Embedded System Design" (January-April 2024) NPTEL Topper Certificate in "Introduction to Internet of Things" (January-April 2024)
4	Dr. Hema Krishnan	Reviewer in the International Conference on E-Mobility, Power Control, and Smart Systems (ICEMPS-2024) at MBCET, Trivandrum (18-20, April 2024) Reviewer in the First International Conference on Trends in Engineering Systems and Technologies, organized by Govt. Model Engineering College & Technically sponsored by IEEE Kerala section (April 2024) Reviewer in the Second International Conference on Smart Technologies for Power and Renewable Energy organized by Federal Institute of Science And Technology (2-4, April 2024)
5	Dr. Paul P Mathai	Resource Person - Thesis Evaluator and Final Public viva Examiner of Ms. Karthikayani at Dr. MGR Educational and Research Institute, Chennai, 6 April 2024 Resource Person - Thesis Evaluator and Final Public viva Examiner of Ms. Lakkala Jayasree at Dr. MGR Educational and Research Institute, Chennai, 17 June 2024 Resource Person - Session Chair in the National Seminar on Emerging Technological Trends in the era of AI, 34th ISTE annual Faculty convention, FISAT, 20 January 2024 Resource Person - Reviewer in the 1st International Conference on Trends in Engineering Systems and Technologies, ICTEST - 2024 at Govt. Model Engineering College, Ernakulam, April 11-13, 2024 Resource Person - Reviewer in the International Conference on "E-Mobility, Power Control, and Smart Systems" (ICEMPS - 2024) at MBCET, Trivandrum, 18-20, April 2024
6	Mr. Anuranj P	Resource Person - Academic Enrichment Programme on "Formal Languages and Automata Theory" at Nirmala College of Engineering, Technology and Management, October 2024
7	Ms. Sheelu Susan Mathews	Qualified in UGC-NET exam, October 2024

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Editorial Note

"ICON 25 is not just a newsletter - it's a voice of innovation, and a reflection of the minds that shape tomorrow."

The 15th edition of ICON 2025, the annual newsletter of the Department of Computer Science and Engineering, celebrates the innovation, achievements, and vibrant contributions of students, faculty and alumni. It highlights key events, projects and milestones from the academic year, reflecting the department's commitment to excellence. The editorial team expresses gratitude to all the contributors and hopes the newsletter continues to inspire and connect the community.