



CY NEWSLETTER

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Department of Computer Science and Engineering (Cyber Security)

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.

CORE VALUES

- ★ Faith in God and man
- ★ Love of fellow beings
- ★ Belief in Universal Citizenship
- ★ Moral integrity
- ★ Social commitment

DEPARTMENT VISION

To be a globally recognized centre of excellence in Cyber Security education, research and innovation by nurturing ethical professionals, fostering technological advancement through responsible practice and contributing to a secure and sustainable digital society.

DEPARTMENT MISSION

M1: Excellence in Education

To provide outcome-based and industry-oriented education by integrating core computer science principles with advanced cybersecurity technologies and practices.

M2: Ethics and Professional Responsibility

To cultivate ethical values, integrity, social responsibility, and secure computing practices for protecting digital assets and strengthening cyber trust.

M3: Research, Innovation, and Entrepreneurship

To promote research, innovation, and entrepreneurial thinking for developing sustainable solutions to emerging cybersecurity challenges.

M4: Holistic and Global Development

To enhance leadership, teamwork, lifelong learning, and global competence through industry collaboration, interdisciplinary activities, and community engagement.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO 1:

Graduates will apply strong foundations in computer science and cybersecurity to design, develop, and manage secure and reliable computing systems for industry and society.

PEO 2:

Graduates will pursue successful careers as professionals, innovators or entrepreneurs engaged in technology development, deployment or engineering system implementation in industry and society and contribute to the economic growth of the country.

PEO 3:

Graduates will demonstrate ethical responsibility, leadership, teamwork, and effective communication while adapting to evolving global technological environments through lifelong learning.

PROGRAMME SPECIFIC OUTCOMES (PSO)

PSO 1: Apply cyber security principles to mitigate cyber risk and analyze security requirements of an organization.

PSO 2: Develop and deploy secure software and infrastructure using modern tools and industry standards.

PSO 3 : Uphold ethical, legal, and societal responsibilities while protecting privacy, data, and digital assets.

Industry Engagement — MoU Signed With Hackup Technology, Coimbatore



Faculty and Hackup Technology representatives at the MoU signing

The department signed a new Memorandum of Understanding with Hackup Technology, Coimbatore on 18 July 2026, adding a second active industry channel alongside the existing collaboration with Digital University, Trivandrum.

Intended areas of collaboration include structured technical training, joint workshops and hands-on sessions, guest sessions from practising security engineers, internship and live-project opportunities, industry-aligned certification guidance, and placement support.

A follow-up meeting on 31 August 2026 will fix dates for the first joint activities of the semester; a second agreement with Amala Institute of Medical Sciences, Thrissur, is scheduled for 10 August 2026.

AI-Driven Cybersecurity & Security Operations — Hands-On Session



S3 & S5 CY students at the hands-on session

A full-day offline hands-on session on AI-driven cybersecurity and security operations was conducted on 21 July 2026 for S3 and S5 CY students, held as a follow-up under the department's ongoing MoU with Digital University, Trivandrum.

Coverage included AI-assisted threat detection and alert triage, guided lab exercises on live security tooling, log analysis and pattern recognition at scale, end-to-end security operations centre workflows, incident handling and escalation, and where automation helps versus where it does not.

International Webinar Series — Episode 1

A promotional poster for an international webinar. At the top, it says "Department of CSE (Cyber Security)" and "INTERNATIONAL INDUSTRY EXPERT WEBINAR SERIES - 2026". Below that, it lists "EVERY 3RD WEDNESDAY", "MONTHLY SERIES", and "LIVE WEBINAR". The main title is "Cybersecurity Beyond the Firewall: The Reality, Opportunities, and Future of a Cybersecurity Career". The speaker is "Mr. Azeem Ashraf", Senior Cybersecurity Architect, Research and Development, TRATON Group of Companies, Sweden. The date and time are "15 JULY 2026" and "2:30 PM - 3:30 PM IST (LIVE SESSION)". It is delivered through Google Meet at Decennial Hall. The poster also lists "WHAT YOU WILL GAIN" (International Industry Insights, Career Guidance, Live Q&A with Expert, Participation Certificate) and "ALIGNED TO SDGs" (4 Quality Education, 9 Industry, Innovation and Infrastructure, 16 Peace, Justice and Strong Institutions). At the bottom, it lists staff coordinators (Dr. Resmi A.M., Ms. Urmila M.M.) and student coordinators (Alvin Binoy, Anjana K.R.).

Cybersecurity Beyond the Firewall: The Reality, Opportunities, and Future of a Cybersecurity Career

Speaker: Mr. Azeem Ashraf, Senior Cybersecurity Architect, Research & Development, TRATON Group of Companies, Sweden.

The department launched its International Industry Expert Webinar Series on 15 July 2026, delivered live via Google Meet from Decennial Hall, 2:30–3:30 PM IST. The series runs monthly, every third Wednesday, bringing a practising international expert to campus.

Students gained international industry insight, a live Q&A with the expert, career guidance grounded in real hiring practice, and a participation certificate for attendees.

Staff coordinators: Dr. Resmi A. M. · Ms. Urmila M. M. Student coordinators: Alvin Binoy · Anjana K. R (S7, CY).

Career Interest Orientation

Ethical Hacking Roadmap Session



Students at the Ethical Hacking Roadmap session

An offline classroom session on 22 July 2026 walked students through a structured roadmap into ethical hacking — the sequence of skills to build, and the practice habits that separate a hobbyist from a hireable candidate — along with relevant industry certifications and where each fits in the journey.

Topics spanned networking and operating-system fundamentals, certification pathways, lab practice habits, progression into offensive security techniques, the legal and ethical boundaries of security testing, and building a demonstrable portfolio of work.

Takeaway for students: the field rewards sequence over speed — fundamentals first, certifications as checkpoints rather than shortcuts, and consistent hands-on practice throughout.

Cloud Security



S3 & S5 students at the Cloud Security orientation class

S3 and S5 students attended a dedicated career interest orientation class on Cloud Security on 22 July 2026, part of the department's ongoing effort to expose students early to specialised, in-demand career tracks rather than leaving specialisation to the final year.

The class covered why cloud security is central to modern infrastructure, misconfiguration as the most common real-world failure, securing data in transit and at rest, identity and access control under the shared-responsibility model, entry-level roles and the certifications that open them, and monitoring and audit expectations.

Takeaway for students: cloud security hires on demonstrated familiarity with a provider's own tooling — students were encouraged to begin building that on a free tier well before placement season.

Department Performance — S4 Result & Class Toppers

The KTU result for S4 CY students was published this month, with a pass ratio of 0.7424 (74.24%), reflecting steady performance across the batch.



BUVANA KRISHNA V. B.
SGPA 9.1



S. ANSAF SHAYAN
SGPA 8.71



ANNA MARIYA THOMAS
SGPA 8.60



SREEPRADA K. S.
SGPA 8.52

The department congratulates all four students on this achievement and encourages them to continue this momentum through the rest of their academic journey.

Faculty Achievements — July 2026

Dr. Geethu Mary George

- Attended the online FDP "AI Enabled Cybersecurity Education," conducted by the EICTA Consortium with IIT Kanpur, 10–21 July 2026.
- Served as Session Chair at the 3rd International Conference on Innovations in Mechanical Engineering and Management, NSS Engineering College, Palakkad, 17–18 July 2026.
- Published an indexed book chapter in "Manufacturing Process Optimization for Sustainable Development Using Digital Twin Applications."

Ms. Anusha K

- Attended the Six-Day Online FDP "From Data to Decisions: AI, Data Science & ML," Dept. of CSE, Jawaharlal College of Engineering & Technology, Palakkad, 20–25 July 2026.
- Attended the online FDP "AI Enabled Cybersecurity Education," EICTA Consortium with IIT Kanpur, 10–21 July 2026.

Ms. Aswani P

- Six-Day Online FDP "From Data to Decisions: AI, Data Science & ML," 20–25 July; also attended "Innovations in Renewable Energy Systems and Sustainable Grid," EEE Dept., Nehru College of Engineering & Research Centre, Thrissur, 13–18 July.

Ms. Geetha P V

- Online FDP "AI Enabled Cybersecurity Education," EICTA Consortium with IIT Kanpur, 10–21 July; also attended "Innovations in Renewable Energy Systems and Sustainable Grid," 13–18 July.

Dr. Resmi A. M.

- Attended the online FDP "AI Enabled Cybersecurity Education," EICTA Consortium with IIT Kanpur, 10–21 July 2026.

Ms. Saju C. J.

- Attended the six-day online FDP "Artificial Intelligence, Generative AI and Advanced Data Analytics for Teaching, Research, and Innovation," Bishop Jerome Institute, Kollam, 27 June – 2 July 2026.

Ms. Remya M.

- Attended two FDPs — "From Data to Decisions: AI, Data Science & ML" (20–25 July) and "Innovations in Renewable Energy Systems and Sustainable Grid" (13–18 July).
- Presented a paper, "Zero-Day Attack Detection using Unsupervised Anomaly Learning Models," at ICTEST-2026, Govt. Model Engineering College, Thrikkakara, 16–18 July.
- Also attended a 5-day face-to-face UHV-II FDP by AICTE at Jyothi Engineering College, 8–12 June 2026.

Mr. Thomas George

- Attended the ATAL FDP "Next Generation Automated Systems: Multimodal Learning, MLOps, Responsible Data Analytics and Quantum Processing," Ahalia School of Engineering & Technology, 20–25 July 2026.

Contact & Credits

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