Jyothi Engineering College (AUTONOMOUS)
Reaccredited with NAAC (Grade A) and NBA Programmes (CE, CS, EC, EE, ME, MR)
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A Centre of Excellence in Science and Technology by the Catholic Archdiocese of Trichur

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.

ASSOCIATION ACTIVITIES — C.Y.E.A INAUGURATION

Lt Gen M. U. Nair Inaugurates Cyber Security Engineering Association

The Cyber Security Engineering Association (C.Y.E.A) was formally inaugurated on 17 August 2026 at Decennial Hall, marking the start of the association's activity calendar for the academic year. Lt Gen M. U. Nair, former National Cyber Security Coordinator of India, attended as chief guest.



C.Y.E.A core team with Lt Gen M. U. Nair at Jyothi Engineering College (Autonomous)

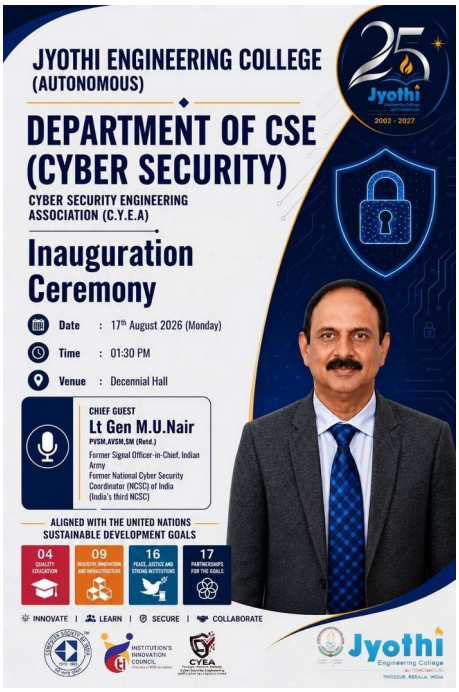
Association Opens Its Calendar for the Year

Lt Gen M. U. Nair, PVSM, AVSM, SM (Retd.), is the former Signal Officer-in-Chief of the Indian Army and served as India's third National Cyber Security Coordinator (NCSC).

The ceremony, held at 1:30 PM, was aligned with the United Nations Sustainable Development Goals: SDG 4 (Quality Education), SDG 9 (Industry, Innovation and Infrastructure), SDG 16 (Peace, Justice and Strong Institutions) and SDG 17 (Partnerships for the Goals). It was held in association with the Computer Society of India and the Institution's Innovation Council.



The inauguration ceremony at Decennial Hall



Inauguration ceremony poster

INTERNATIONAL INDUSTRY EXPERT WEBINAR SERIES — EPISODE 2

Webinar Series Takes On Industrial IoT Security

The second episode of the department's International Industry Expert Webinar Series for 2026 was held on 19 August on the topic of Industrial IoT Security: the protection of connected sensors, controllers and operational-technology networks that keep industrial plants running.

The series is designed to put students in direct contact with practitioners working on live systems, so that the threat models discussed in class are matched against the constraints of real deployments. Episode 3 follows on 16 September.



Episode 2, live session on campus

OUTREACH PROGRAMME — BLUE TEAM BOOTCAMP

Cyber Club Takes Blue Team Bootcamp to St. George HSS

Cyber Club CYBERTON, the department's cyber club, took the Blue Team Bootcamp off campus on 31 August 2026, delivering an advanced cyber awareness programme to school students at St. George HSS, Puttekkara, Mundur, Thrissur, at 1:00 PM.

Where a red team attacks, a blue team defends. The session put that framing in front of a school audience: recognising phishing and social-engineering attempts, protecting accounts and devices, and knowing what to do once something has already gone wrong.



Session at St. George HSS, Puttekkara

STUDENT ACHIEVEMENT — THIRD POSITION



Third Position, Poster Exhibition, GREEN CHAIN Challenge

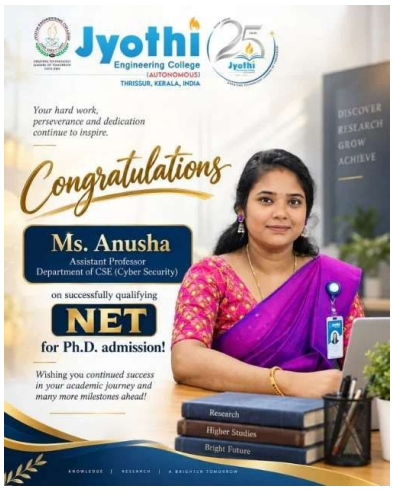
S7 CY Students Secure Third Position at GREEN CHAIN Challenge

Anjana KR and Angitha CL of S7 CY secured Third Position in the Poster Exhibition at the GREEN CHAIN Challenge, Powered by Blockchain, AI & Web3, held on 13–14 August 2026.

The event, aligned with the UN Sustainable Development Goals, was hosted by Digital University Kerala. The department congratulates both students on the recognition.

FACULTY ACHIEVEMENTS

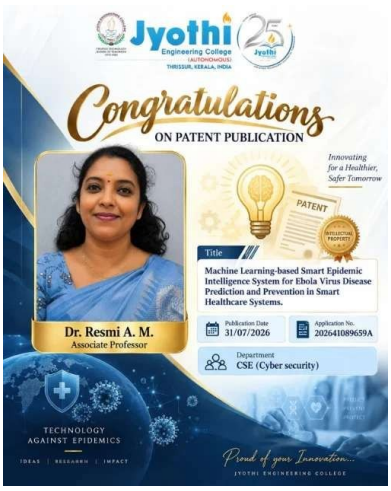
Ms. Anusha K Qualifies UGC NET



UGC NET, Ms. Anusha K

Ms. Anusha K qualified the UGC National Eligibility Test, June 2026 session (Ph.D. only), a national-level qualification that supports the department's research ambitions and doctoral pipeline.

Patent Published for Dr. Resmi A. M



Patent publication, Dr. Resmi A. M

A patent application of Dr. Resmi A. M titled *Machine Learning-Based Smart Epidemic Intelligence System for Ebola Virus Disease Prediction and Prevention in Smart Healthcare Systems* has reached publication (Application No. 202641089659 A, publication date 31 July 2026).

Faculty Attend Development Programmes

Ms. Aswani P attended a six-day online Faculty Development Programme on *Artificial Intelligence-Driven Pedagogy: Enhancing Student Engagement and Learning Outcomes*, organised by the Department of Computer Science and Engineering (Cyber Security), Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi, Chennai, on 3–8 August 2026.

Ms. Remya M. participated in a one-day national-level offline Faculty Development Programme on *Artificial Intelligence and Internet of Things: Building Smart Connected Systems*, organised by T. John College, Bengaluru, Karnataka, on 10 August 2026.

Dr. Geethu Mary George Takes On Review Roles

Dr. Geethu Mary George served as a reviewer for the International Conference on Next Generation Engineering and Technology Innovations at Viswajyothi College of Engineering, Vazhakulam, Ernakulam.

She also served as a reviewer for the IGI Global edited book *QCI-SCDT*.

LOOKING AHEAD — SEPTEMBER 2026

Five Commitments Planned for September

Prof. Pathy Narayanan, Adjunct Faculty of the Dept. of CSE (CY), will address students across two days on 8–9 September.

A two-day bootcamp on cyber awareness at Shoranur Polytechnic College will follow on 10–11 September, part of the department's outreach beyond campus.

Episode 3 of the International Webinar, *Cyber Threat Intelligence for Smarter and Proactive Cyber Defense*, will be delivered by Dr. Sivaraman Eswaran, Curtin University, Malaysia, on 16 September.

Exhibition and Industry Follow-Up

S7 students will exhibit their cloud computing project work at a two-day Cloud Computing Project Exhibition on 22–23 September.

A follow-up activity with TechnoValley Solutions, Cochin, under the department's existing memorandum of understanding, is planned for 24 September.