

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CYBER SECURITY

AUGUST 2026 | ISSUE 08/2026

Industrial IoT Security, a podium finish at GREEN CHAIN, and a patent on the record.

C.Y.E.A CORE TEAM WITH LT GEN M. U. NAIR



JYOTHI ENGINEERING COLLEGE (AUTONOMOUS), CHERUTHURUTHY, THRISSUR

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AUGUST 2026

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MONTH AT A GLANCE

6

Faculty
achievements

1

Patent
published

3

Department
events

3rd

GREEN CHAIN
poster

AUGUST 2026

LETTER FROM THE DEPARTMENT

ISSUE 08/2026

Dear Students, Faculty, and Friends,

August 2026 was a month in which the department's work showed up on the record. A patent application from our faculty reached publication, a colleague qualified UGC NET, and two more faculty members completed national-level Faculty Development Programmes on AI-driven pedagogy and on AI with the Internet of Things.

The association calendar opened too: the Cyber Security Engineering Association was inaugurated on 17 August with Lt Gen M. U. Nair, former National Cyber Security Coordinator of India, as chief guest. Our second International Industry Expert Webinar brought Industrial IoT Security to students on 19 August, and on 31 August Cyberton carried the Blue Team Bootcamp to St. George HSS, Puttekkara. Anjana KR and Angitha CL of S7 CY also secured Third Position in the poster exhibition at the GREEN CHAIN Challenge hosted by Digital University Kerala.

Two faculty also served the wider academic community as reviewers — for an international conference on next-generation engineering and for an IGI Global edited volume. Work of that kind rarely draws attention, but it is how a department earns standing outside its own campus.

DEPT. REGISTRY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CYBER SECURITY)

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 MEETING

Held on 01/08/2026

International Industry Expert Webinar Series 2026 — Episode 02

19/08/2026

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 our 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 03 follows on 16 September.

SESSION DETAIL

SERIES

International Industry Expert Webinar — 2026

EPISODE

02

DATE

19/08/2026

ORGANISED BY

Dept. of CSE (Cyber Security)



EPISODE 02 — LIVE SESSION ON CAMPUS

ASSOCIATION ACTIVITIES

C.Y.E.A Inauguration Ceremony

17/08/2026

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.

The ceremony 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) — and was held in association with the Computer Society of India and the Institution's Innovation Council.

CHIEF GUEST

Lt Gen M. U. Nair

PVSM, AVSM, SM (Retd.)

Former Signal Officer-in-Chief, Indian Army. Former National Cyber Security Coordinator (NCSC) of India — India's third NCSC.

TIME
01:30 PM

VENUE
Decennial Hall

INNOVATE · LEARN · SECURE · COLLABORATE

JYOTHI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF CSE (CYBER SECURITY)

CYBER SECURITY ENGINEERING ASSOCIATION (C.Y.E.A)

Inauguration Ceremony

CHIEF GUEST
Lt Gen M.U.Nair
PVSM, AVSM, SM (Retd.)
Former Signal Officer-in-Chief, Indian Army
Former National Cyber Security Coordinator (NCSC) of India (India's third NCSC)

DATE : 17th August 2026 (Monday)
TIME : 01:30 PM
VENUE : Decennial Hall

ALIGNED WITH THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

04 QUALITY EDUCATION
09 INDUSTRY INNOVATION AND INFRASTRUCTURE
16 PEACE, JUSTICE AND STRONG INSTITUTIONS
17 PARTNERSHIPS FOR THE GOALS

INNOVATE | LEARN | SECURE | COLLABORATE

Jyothi Engineering College (Autonomous) THIRUVARUR, KERALA, INDIA



OUTREACH PROGRAMME

Blue Team Bootcamp — Advanced Cyber Awareness

31/08/2026

Cyberton, the department's cyber club, took the Blue Team Bootcamp off campus on 31 August 2026 — an advanced cyber awareness programme delivered to school students at St. George HSS, Puttekkara, Mundur, Thrissur.

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.

HOST SCHOOL

St. George HSS, Puttekkara
Mundur, Thrissur

DATE

31/08/2026

TIME

01:00 PM

ORGANISED BY

Cyber Club Cyberton, Dept. of CSE (Cyber Security)



SESSION AT ST. GEORGE HSS, PUTTEKKARA

STUDENT ACHIEVEMENT

Third Position at the GREEN CHAIN Challenge

13-14/08/2026

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, an event aligned with the UN Sustainable Development Goals and hosted by Digital University Kerala.



CERTIFICATE — THIRD POSITION, POSTER EXHIBITION

EVENT

GREEN CHAIN
Challenge —
Blockchain, AI & Web3

HOST

Digital University
Kerala

RESULT

Third Position — Poster
Exhibition

The department congratulates both students on the recognition.

Qualification & Patent

AUGUST 2026

Ms. Anusha K

UGC NET — JUNE 2026

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.

Dr. Resmi A. M.

PATENT PUBLICATION

A patent application titled *Machine Learning-Based Smart Epidemic Intelligence System for Ebola Virus Disease Prediction and Prevention in Smart Healthcare Systems* reached publication this month.

APPLICATION NO.
202641089659 A

PUBLICATION DATE
31/07/2026

DOMAIN

Machine learning for epidemic intelligence in smart healthcare systems



UGC NET — MS. ANUSHA K



PATENT PUBLICATION — DR. RESMI A. M.

Development & Review Roles

AUGUST 2026

FACULTY DEVELOPMENT PROGRAMMES

Ms. Aswani P

03-08/08/2026

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.

Ms. Remya M.

10/08/2026

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.

REVIEW & EDITORIAL ROLES

Dr. Geethu Mary George

Reviewer for the International Conference on Next Generation Engineering and Technology Innovations at Viswajyothi College of Engineering, Vazhakulam, Ernakulam.

Reviewer for the IGI Global edited book *QCI-SCDT*.

September 2026

PLANNED

08–09 SEP

Adjunct Faculty Address

Prof. Pathy Narayanan, Adjunct Faculty of the Dept. of CSE (CY), addresses students across two days.

10–11 SEP

Cyber Awareness Bootcamp

A two-day bootcamp on cyber awareness at Shoranur Polytechnic College — the department's outreach beyond campus.

16 SEP

International Webinar — Episode 03

Cyber Threat Intelligence for Smarter and Proactive Cyber Defense by Dr. Sivaraman Eswaran, Curtin University, Malaysia.

22–23 SEP

Cloud Computing Project Exhibition

S7 students exhibit their cloud computing project work over two days.

24 SEP

MoU Follow-Up — TechnoValley Solutions

Follow-up activity with TechnoValley Solutions, Cochin, under the department's existing memorandum of understanding.

Five commitments in a single month — an address, a bootcamp, a webinar, an exhibition and an industry follow-up. September is where August's groundwork is meant to show.

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 — FOUR PILLARS

M1: Excellence in Education

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

M3: Research, Innovation & Entrepreneurship

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

M2: Ethics & Professional Responsibility

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

M4: Holistic & Global Development

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

INSTITUTIONAL CORE VALUES

- ★ Faith in God and man
- ★ Love of fellow beings
- ★ Belief in Universal Citizenship
- ★ Commitment to excellence

PROGRAMME EDUCATIONAL OBJECTIVES

- PEO1:** Apply strong foundations in computer science and cybersecurity to design, develop, and manage secure and reliable computing systems.
- PEO2:** Pursue research, higher studies and innovation to address emerging cyber threats with responsible and sustainable solutions.
- PEO3:** Practise the profession with ethics, teamwork and effective communication, and continue to learn throughout their careers.

Get in Touch

AUGUST 2026

DEPARTMENT OFFICE

Department of Computer Science and Engineering (Cyber Security)

Jyothi Engineering College
(Autonomous)

Jyothi Hills, Panjal Road, Vettikattiri
PO,

Cheruthuruthy, Thrissur – 679531,
Kerala

Phone: 04884 - 259000

Email: info@jecc.ac.in

Web: www.jecc.ac.in

FOLLOW & REACH US

For queries about admissions, collaborations, or student opportunities featured in this issue, reach out to the department office directly, or visit the institution website for updates through the semester.

Instagram:

[@cybersecuritydepartment_jec](https://www.instagram.com/cybersecuritydepartment_jec)

YouTube: [@cybersecuritydepartmentjec](https://www.youtube.com/cybersecuritydepartmentjec)

MAGAZINE CREDITS

Faculty & Editorial

Magazine Editor: Joyel P R, Assistant Professor, Dept. of CSE (CY). Compiled with contributions from the department's faculty who shared this month's activities and achievements.

Collaborators

Digital University Kerala; Vel Tech Multi Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai; T. John College, Bengaluru; TechnoValley Solutions, Cochin.

Students & Contributors

Thanks to Anjana KR and Angitha CL for sharing their GREEN CHAIN Challenge experience, and to every student who contributed to this issue.

Design & Production

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