

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CYBER SECURITY

JULY 2026 | ISSUE 07/2026



COVER STORY

Growth Through Partnership

FEATURED INSIDE

- MoU Signed With Hackup Technology
- 9 Students in Industry Internships
- Faculty Upskilling Across 8 Programmes
- S4 Results — Class Toppers Announced

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Dear Students, Faculty, and Friends,

July 2026 was a month of steady, practical progress for the Department of Cyber Security. We signed a new Memorandum of Understanding with Hackup Technology, Coimbatore, deepened our collaboration with Digital University Trivandrum through a hands-on session on AI-driven cybersecurity, and hosted an international webinar and a series of career orientation classes for our students.

Nine of our students are currently placed in industry internships across companies including Techmindz, Nest Digital, NIT Calicut, and Raspberry PI Robotics, while eight faculty members completed FDPs, presented papers, and served as resource persons this month. Our S4 batch also announced its class toppers following the latest KTU results.

We are grateful to our industry and academic partners for enabling this month's work, and to our students and faculty for their continued effort and initiative.

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.

Mission

M1: Excellence in Education

M2: Ethics and Professional Responsibility

M3: Research, Innovation and Entrepreneurship

M4: Holistic and Global Development

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

21/07/2026



DATE	MODE	PARTICIPANTS	PARTNER
21 July 2026	Offline, hands-on	S3 & S5 CY students	Digital University, Trivandrum

A full-day offline hands-on session on AI-driven cybersecurity and security operations was conducted for S3 and S5 CY students, giving them direct, practical exposure to AI-assisted security tooling and day-to-day operational workflows beyond the standard curriculum.

The session was held as a follow-up under the department's ongoing Memorandum of Understanding with Digital University, Trivandrum — a collaboration aimed at bringing current industry practice into the classroom.

SESSION COVERAGE

- AI-assisted threat detection and alert triage
- Guided lab exercises on live security tooling
- Log analysis and pattern recognition at scale
- Security operations centre workflows end to end
- Incident handling, escalation and reporting practice
- Where automation helps — and where it does not

Ethical Hacking Roadmap Session

22/07/2026



DATE	MODE	FOCUS	ORGANIZED BY
22 July 2026	Offline classroom	Career roadmap	Dept. of CSE (Cyber Security)

An offline classroom session walked students through a structured roadmap into ethical hacking — laying out the sequence of skills to build, the order to build them in, and the practice habits that separate a hobbyist from a hireable candidate.

The session also introduced relevant industry certifications students can enrol in to formalise their skills, with guidance on which credentials matter at which stage of the journey.

ROADMAP DISCUSSED

- Networking and operating-system fundamentals first
 - Certification pathways students can enrol in
 - ^{now} Lab practice habits that build real competence
 - Progression into offensive security techniques
 - Legal and ethical boundaries of security testing
 - 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.



DATE	MODE	PARTICIPANTS	CAREER TRACK
22 July 2026	Orientation class	S3 & S5 students	Cloud Security

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

The class mapped the field as employers see it: what cloud security work actually involves day to day, which roles hire at entry level, and what a student can start learning now to be considered for them.

TOPICS COVERED

- Why cloud security is central to modern infrastructure
- Misconfiguration as the most common real-world failure
- Securing data in transit and at rest across providers
- Identity, access control and the shared-responsibility model
- Entry-level roles and the certifications that open them
- Monitoring and audit expectations in cloud environments

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.

Internship Placements — S7

JULY 2026

Nine S7 Cyber Security students have secured internships this month, spanning cybersecurity, IT support, robotics and R&D roles across companies and institutions.

#	STUDENT	ORGANIZATION
1	Elfred Sebastian	Techmindz, Kochi
2	Aadith K M	Verveox
3	Adityan M	Acadeno Technologies
4	Diya Ramesh Menon	Nest Digital
5	Joel Joju	Raspberry Pi Robotics
6	Mariya John	NIT Calicut
7	Ashwin K P	Lesuccess Training & Learning
8	An Maria Jack	Nest Digital
9	Daniel Chemmanoor Saji	Tranship Shipping, Dubai, UAE



INTERNSHIP SPOTLIGHT

Daniel Chemmanoor Saji

Cyber Security · 2023–2027 Batch

IT Support & Security Intern at **Tranship Shipping, Dubai, UAE** · AED 1,000/month stipend · 27 July – 29 September 2026.

Department of CSE (Cyber Security)
INTERNATIONAL INDUSTRY EXPERT WEBINAR SERIES - 2026

EVERY 3RD WEDNESDAY | MONTHLY SERIES | LIVE WEBINAR

Knowledge. Security. Future.
Empowering Our Campus, Securing Tomorrow.

EPISODE 01 | JULY 2026

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

Mr. Azeem Ashraf
Senior Cybersecurity Architect, Research and Development
TRATON Group of Companies, Sweden

15 JULY 2026
3RD WEDNESDAY

2:30 PM – 3:30 PM IST
(LIVE SESSION)

DELIVERED THROUGH
GOOGLE MEET

DECENNIAL HALL

WHAT YOU WILL GAIN

- International Industry Insights
- Career Guidance
- Live Q&A with Expert
- Participation Certificate

ALIGNED TO SDGs

- 4 QUALITY EDUCATION
- 9 INDUSTRY INNOVATION AND INFRASTRUCTURE
- 16 PEACE, JUSTICE AND STRONG INSTITUTIONS

Staff Coordinators:
Dr. Resmi A.M. Associate Professor | Ms. Urmila M.M. Assistant Professor

Student Coordinators:
Alvin Binoy S7, CY | Anjana K.R S7, CY

EPISODE 01 · JULY 2026

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

DATE & TIME

15 July 2026
2:30 – 3:30 PM IST

VENUE & MODE

Decennial Hall
Live via Google Meet

SERIES SCHEDULE

Monthly, every
third Wednesday

ALIGNED TO SDGS

4 · 9 · 16

The department launched its International Industry Expert Webinar Series with an insightful talk offering students a global perspective on the cybersecurity profession — what the work looks like in a large multinational engineering group, and where the field is heading. The series runs monthly, bringing a practising international expert to campus each third Wednesday.

WHAT STUDENTS GAINED

— International industry insight from an active practitioner

— Live Q&A directly with the expert

Staff coordinators: Dr. Resmi A. M · Ms. Urmila M. M

— Career guidance grounded in real hiring practice

— Participation certificate for attendees

Student coordinators: Alvin Binoy · Anjana K. R (S7, CY)

MoU Signed With Hackup Technology, Coimbatore

18/07/2026



SIGNED ON 18 July 2026	PARTNER Hackup Technology	LOCATION Coimbatore, Tamil Nadu	FOLLOW-UP 31 August 2026
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The department signed a new Memorandum of Understanding with Hackup Technology, Coimbatore, formalising a partnership that adds a second active industry channel alongside the department's existing collaboration with Digital University, Trivandrum.

A follow-up meeting is already scheduled for 31 August 2026 to convert the agreement into a concrete calendar of student-facing activity for the coming semester.

INTENDED AREAS OF COLLABORATION

- Structured technical training for students
 - Joint workshops and hands-on sessions on campus
 - Guest sessions from practising security engineers
- Internship and live-project opportunities
 - Industry-aligned certification guidance
 - Placement and industry-readiness support

Next step: the 31 August follow-up will fix dates for the first joint activities of the semester, with a second agreement — Amala Institute of Medical Sciences, Thrissur — scheduled for 10 August 2026.

KTU S4 Result

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

74.24%

S4 PASS RATIO

S4 RESULT — CLASS TOPPERS



Buvana Krishna V
9.1 SGPA



S Ansaf Shayan
8.71 SGPA



Anna Maria Thomas
8.68 SGPA



Sreeprada K S
8.52 SGPA

The department congratulates all four students on this achievement.

Faculty Achievements

JULY 2026



Dr. Geethu Mary George

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

The department congratulates both faculty members on their continued academic and professional contributions.

Faculty Achievements, Continued

JULY 2026

Ms. Aswani P

Six-Day Online FDP "From Data to Decisions: AI, Data Science & ML," Jawaharlal College of Engineering & Technology, 20–25 July. Also attended the FDP "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 the FDP "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 the 3rd International Conference on Trends in Engineering Systems and Technologies (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.

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
- ★ Moral integrity
- ★ Social commitment

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

- PEO1:** Apply strong foundations in computer science and cybersecurity to design, develop, and manage secure and reliable computing systems.
- PEO2:** Pursue successful careers as professionals, innovators or entrepreneurs contributing to economic growth.
- PEO3:** Demonstrate ethical responsibility, leadership, and effective communication through lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSOS)

- PSO1:** Apply cyber security principles to mitigate cyber risk and analyze security requirements.
- PSO2:** Develop and deploy secure software and infrastructure using modern tools and standards.
- PSO3:** Uphold ethical, legal, and societal responsibilities while protecting privacy and digital assets.

Planning for August

Building on July's momentum in industry engagement and student achievement, the department has a full slate planned for August 2026 — from a new association launch to fresh institutional partnerships.

WHAT'S COMING UP

Association Launch & Hackathon

Association inauguration, official website launch, and poster release for the National-Level Hackathon 2026, scheduled for 9–10 October 2026.

International Webinar

A session on "Industrial IoT Security: Risk, Challenges, Solutions" is scheduled for 19 August 2026.

New Institutional Partnership

A Memorandum of Agreement with Amala Institute of Medical Science, Thrissur, is scheduled for 10 August 2026.

MoU Follow-Up

A follow-up meeting on the MoU with Hakeup Technology is planned for 31 August 2026.

JOIN US

*To every prospective student weighing where to begin a career in
cybersecurity —*

this is a field that rewards curiosity, discipline, and the will to protect what matters. Come
build it with us.

DEPARTMENT OFFICE

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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 throughout 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.

Industry Partners

With appreciation to Techmindz, Verveox, Acadeno Technologies, Nest Digital, Raspberry PI Robotics, NIT Calicut, Lesuccess Training Learning, Digital University Trivandrum, Opsynex Technologies, and Hackup Technology for hosting and partnering with our students.

Students & Contributors

Thanks to every student who shared their achievements and internship experiences for this issue.

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