DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CYBER SECURITY

SEPTEMBER 2026 | ISSUE 09/2026



COVER STORY

Taking Security Beyond Campus

FEATURED INSIDE

- MoU Signed With RedTeam Hacker Academy
- Blue Team Bootcamp — 3 Outreach Sessions
- Webinar Ep. 03 — Cyber Threat Intelligence
- Hands-On Workshop — Can AI Be Hacked?

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SEPTEMBER 2026

LETTER FROM THE DEPARTMENT

ISSUE 09/2026

Dear Students, Faculty, and Friends,

September 2026 saw the department carry cybersecurity well beyond its own classrooms. Through the Blue Team Bootcamp outreach programme, our students led advanced cyber awareness sessions in association with the Cyber Club CYBERTON at P K Das Liberal College of Arts and Science, Ottapalam, Vimalagiri Public School, Thanikkudam, and Government Boys' Higher Secondary School, Wadakkanchery — teaching others what they have learned here.

We signed a Memorandum of Understanding with RedTeam Hacker Academy on 23 September and, the same day, hosted its researchers for a hands-on workshop on AI security — strengthening industry–academia interaction and practical skill-building for our students. Episode 03 of the International Industry Expert Webinar Series addressed Cyber Threat Intelligence, three Virtual Lab sessions covered data structures, cryptography and computer forensics, our S3 students visited NeST Digital, Kakkanad, and James Joy of S7 secured an internship at iCare, Coimbatore.

We thank our partners, host institutions and student volunteers for making this month possible.

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

INDUSTRY ENGAGEMENT

MoU Signed With RedTeam Hacker Academy

23/09/2026





SIGNED ON	PARTNER	DOMAIN	DEPARTMENT
23 September 2026	RedTeam Hacker Academy	Cyber Security Training	CSE (Cyber Security)

The Department of Computer Science & Engineering (Cyber Security) signed a Memorandum of Understanding with RedTeam Hacker Academy, a leading cyber security training organisation, on 23 September 2026.

The collaboration marks an important step towards strengthening industry–academia interaction, giving students enhanced opportunities to build practical skills and gain industry exposure in cyber security.

FOCUS OF THE PARTNERSHIP

- Industry–academia interaction
- Industry exposure for students
- Practical, hands-on skill development
- Training from a specialist security academy

With appreciation to RedTeam Hacker Academy.

HANDS-ON SESSION

Can AI Be Hacked?

23/09/2026



WORKSHOP · WITH REDTEAM HACKER ACADEMY

A Hands-on Workshop on Prompt Injection, Jailbreaking & AI Security

RESOURCE PERSONS

Mr. Alex Davy
Cybersecurity Researcher, RedTeam Hacker Academy

Mr. Anandakrishnan
Cybersecurity Researcher, RedTeam Hacker Academy

Ms. Labeeba
Cybersecurity Researcher, RedTeam Hacker Academy

DATE & TIME
23 September 2026
1:30 PM

VENUE
WAB 412
Securenet Coding Lab

ORGANISED WITH
Institution's Innovation Council

ALIGNED TO SDGS
4 · 8 · 9 · 16

On the day the department signed its MoU with RedTeam Hacker Academy, three of the academy's cybersecurity researchers led a hands-on workshop on the security of AI systems — how large language models can be manipulated through prompt injection and jailbreaking, and how to defend against it.

WORKSHOP THEMES

- Prompt injection attacks
- AI and data security
- Jailbreaking AI models
- Hands-on lab practice

Staff coordinators: Ms. Urmila M M · Ms. Anusha K

Student coordinators: Joyal George Joseph (S5) · Abin V (S3)

Organized by the Department of CSE (Cyber Security) with RedTeam Hacker Academy.

PROGRAMS & EVENTS

International Webinar Series — Episode 3

16/09/2026



EPISODE 03 · SEPTEMBER 2026

Cyber Threat Intelligence for Smarter and Proactive Cyber Defense

DATE
16 September 2026

FORMAT
Webinar

SERIES SCHEDULE
Monthly, every third Wednesday

SERIES
International Industry Expert Webinars 2026



The third episode of the department's International Industry Expert Webinar Series turned to Cyber Threat Intelligence — how organisations gather and act on intelligence about threats to move from reactive response to smarter, proactive cyber defence.

SESSION THEMES

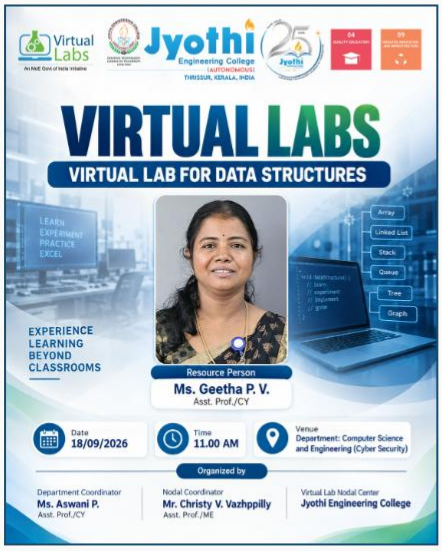
- Cyber threat intelligence fundamentals
- Intelligence-driven security decisions
- Proactive versus reactive defence
- Global industry perspective

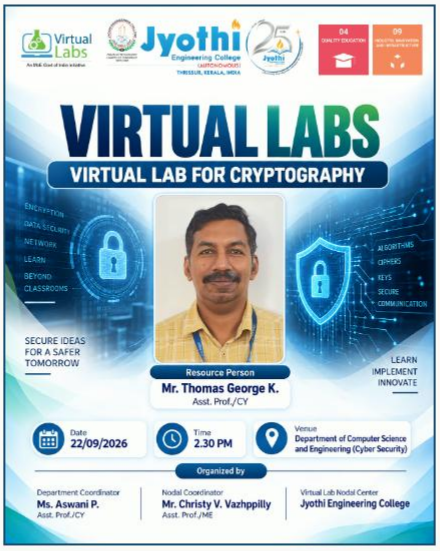
Organized by the Department of Computer Science & Engineering (Cyber Security).

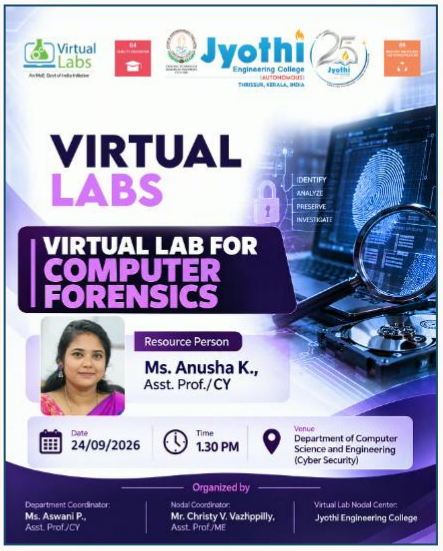
VIRTUAL LABS · MOE INITIATIVE

Virtual Lab Sessions

18–24/09/2026







18 SEP · 11:00 AM

Data Structures

Ms. Geetha P. V.
Asst. Prof., CSE (Cyber Security)

22 SEP · 2:30 PM

Cryptography

Mr. Thomas George K.
Asst. Prof., CSE (Cyber Security)

24 SEP · 1:30 PM

Computer Forensics

Ms. Anusha K.
Asst. Prof., CSE (Cyber Security)

SESSIONS	VENUE	NODAL CENTRE	ALIGNED TO SDGS
3 virtual labs	Dept. of CSE (Cyber Security)	Jyothi Engineering College	4 · 9

Through Virtual Labs — a Ministry of Education, Government of India initiative — the department ran three faculty-led lab sessions across the second half of September, covering data structures, cryptography and computer forensics. Jyothi Engineering College serves as a Virtual Lab Nodal Centre.

Department coordinator: Ms. Aswani P., Asst. Prof., CSE (Cyber Security)

Nodal coordinator: Mr. Christy V. Vazhppilly, Asst. Prof., Mechanical Engineering

Organized by the Department of CSE (Cyber Security) through the Virtual Lab Nodal Centre.

OUTREACH PROGRAMME

Blue Team Bootcamp — P K Das College, Ottapalam

03/09/2026







DATE	VENUE	IN ASSOCIATION WITH	LED BY
3 September 2026	P K Das Liberal College of Arts & Science, Ottapalam	Cyber Club CYBERTON	S7 CY students

The Department of Computer Science and Engineering (Cyber Security), in association with the Cyber Club CYBERTON, conducted the outreach programme “Blue Team Bootcamp – Advanced Cyber Awareness” at P K Das Liberal College of Arts and Science, Ottapalam, Palakkad, on 3 September 2026.

The programme aimed to build awareness of contemporary cybersecurity threats, safe digital practices, and the importance of a strong cybersecurity mindset. The session was supported by Mr. Joby Kuriakose, Civil Police Officer, Ottapalam Police Station.

Conducted by: Hrishikesh P V · Amal Jimmy · Alvin Binoy (S7, CY)

Faculty: Ms. Remya M · Mr. Joyel P. R.

ABOUT THE BOOTCAMP

- Contemporary cybersecurity threats
- Safe digital practices
- Building a cybersecurity mindset
- Supported by Ottapalam Police Station

OUTREACH PROGRAMME

Blue Team Bootcamp — School Outreach

23 & 25/09/2026









23 SEPTEMBER 2026

Vimalagiri Public School, Thanikkudam, Thrissur

25 SEPTEMBER 2026

Government Boys' Higher Secondary School, Wadakkanchery, Thrissur

SESSIONS	DISTRICT	IN ASSOCIATION WITH	LED BY
2 schools	Thrissur	Cyber Club CYBERTON	S5 CY students

The Department of Cyber Security, in association with the Cyber Club CYBERTON, took the Blue Team Bootcamp – Advanced Cyber Awareness programme to two schools in Thrissur district: Vimalagiri Public School, Thanikkudam, on 23 September and Government Boys' Higher Secondary School, Wadakkanchery, on 25 September 2026.

Conducted by: Harish P Das · Addison Biju Chiryankandath · Ebin Baby · Mohammed Bilal (S5, CY)

Faculty: Mr. Joyel P. R.

OUTREACH AT A GLANCE

- Three bootcamp sessions across September
- Two schools and one college reached
- Delivered by S5 and S7 student teams
- Cyber awareness taken beyond campus

INDUSTRY EXPOSURE

Educational Visit — NeST Digital, Kakkanad

10/09/2026







HOST	LOCATION	PARTICIPANTS	DATE
NeST Digital	Kakkanad, Kochi	S3 CY students	10 September 2026

The department successfully completed an educational visit to NeST Digital, Kakkanad, with its S3 Cyber Security students on 10 September 2026.

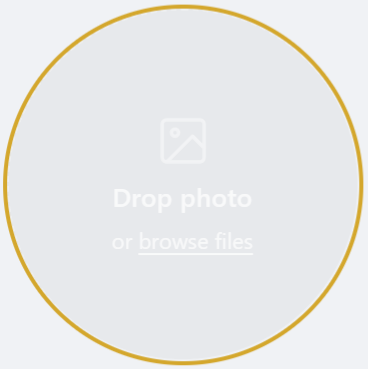
The visit gave students a first-hand view of a working technology organisation — a valuable and enriching experience early in their degree. NeST Digital is also among the companies currently hosting the department's S7 interns.

With thanks to NeST Digital, Kakkanad, for hosting our students.

STUDENT INTERNSHIPS

Internship Placement — S7

SEPTEMBER 2026



INTERNSHIP SPOTLIGHT

James Joy

S7 Cyber Security

Selected for an internship at **iCare, Coimbatore**, with a stipend of **₹10,000 per month**.

STUDENT	SEMESTER	ORGANISATION	STIPEND
James Joy	S7 CY	iCare, Coimbatore	₹10,000 / month

The department congratulates James Joy on his selection.

FACULTY ACTIVITIES

Faculty Achievements

SEPTEMBER 2026

PAPERS PRESENTED	CONFERENCES & WORKSHOPS	FDPS ATTENDED	BOOK PUBLISHED
2	3	3	1

Dr. Geethu Mary George

CONFERENCE — Attended the National Cyber Security Conference 2026, organised by the National Cyber Security Research Council, Technopark, Thiruvananthapuram — 18 Sep 2026.

WORKSHOP — Attended a one-day national workshop, *Next-Gen Classrooms: Integrating Generative AI into Modern Pedagogical Practice* — 27 Sep 2026.

Dr. Resmi A. M

PAPER — Presented "Zero Trust Architecture for IoT and Smart Environments: A Systematic Literature Review" at ICOSICS 2026 (IEEE), RV College of Engineering, Bengaluru — 23–25 Sep 2026.

CONFERENCE — Attended the National Cyber Security Conference 2026, National Cyber Security Research Council, Technopark, Thiruvananthapuram — 18 Sep 2026.

BOOK — Published *Computer Networks and Network Security* — 22 Aug 2026 · ISBN 978-81-69935-35-7 · DOI 10.5281/zenodo.22636666.

Ms. Geetha P. V

PAPER — Presented "SR-FG-CNN: A Super-Resolution-Enhanced Fine-Grained CNN for Low-Resolution Remote Sensing Image Classification" at the National Conference on Smart Technologies, AI, Robotics, Cybernetics and Emerging Technologies, Dhanalakshmi Srinivasan College of Engineering, Coimbatore — 9 Sep 2026.

FDP — Attended the 6-day online FDP *Redefining Engineering Education: AI, Industry 5.0 and Sustainable Learning*, Nehru College of Engineering & Research Centre, Thrissur — 14–19 Sep 2026.

Ms. Sagna L. T

FDP — Attended the 6-day online FDP *Redefining Engineering Education: AI, Industry 5.0 and Sustainable Learning*, Nehru College of Engineering & Research Centre, Thrissur — 14–19 Sep 2026.

Ms. Remya M

FDP — Attended the 6-day online FDP *Redefining Engineering Education: AI, Industry 5.0 and Sustainable Learning*, Nehru College of Engineering & Research Centre, Thrissur — 14–19 Sep 2026.

The department congratulates its faculty on their continued professional development.

DEPARTMENT FOUNDATION

Vision & Values

SEPTEMBER 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.

M2: Ethics & Professional Responsibility

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

M3: Research, Innovation & Entrepreneurship

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

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.

CONTACT & CREDITS

Get in Touch

SEPTEMBER 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 throughout the semester.

Instagram: @cybersecuritydepartment_jec

YouTube: @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.

Students & Contributors

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

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.

Design & Production

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Until next issue — stay curious, stay secure.