Jyothi Engineering College (AUTONOMOUS)
Reaccredited with NAAC (Grade A) and NBA Programmes (CE, CS, EC, EE, ME, MR)
Jyothi Hills, P. O. Vettikkattiri, Cheruthuruthy
Thrissur, Kerala, India, 679531
04884 259000 | info@jecc.ac.in | www.jecc.ac.in
Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University
A Centre of Excellence in Science and Technology by the Catholic Archdiocese of Trichur

CY NEWSLETTER

ISSUE NO: 09/2026
SEPTEMBER 2026

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 WITH REDTEAM HACKER ACADEMY

Department Signs MoU with RedTeam Hacker Academy

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





The Memorandum of Understanding with RedTeam Hacker Academy, signed 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. The partnership focuses on industry–academia interaction, practical hands-on skill development, industry exposure for students, and training from a specialist security academy.

HANDS-ON WORKSHOP — CAN AI BE HACKED?

RedTeam Researchers Show Students How AI Can Be Hacked

On the day the department signed its MoU with RedTeam Hacker Academy, three of the academy's cybersecurity researchers, Mr. Alex Davy, Mr. Anandakrishnan and Ms. Labeeba, led a hands-on workshop on the security of AI systems at 1:30 PM in the Securenet Coding Lab, WAB 412.

Titled "Can AI Be Hacked? A Hands-on Workshop on Prompt Injection, Jailbreaking & AI Security", the session explored how large language models can be manipulated through prompt injection and jailbreaking, and how to defend against it. Themes included prompt injection attacks, jailbreaking AI models, and AI and data security, with hands-on lab practice.

The workshop was organised with the Institution's Innovation Council and aligned to SDGs 4, 8, 9 and 16. Ms. Urmila M M and Ms. Anusha K were the staff coordinators, with Joyal George Joseph (S5) and Abin V (S3) as student coordinators.



Workshop poster

INTERNATIONAL WEBINAR SERIES — EPISODE 3

Webinar Series Turns to Cyber Threat Intelligence

The third episode of the department's International Industry Expert Webinar Series, held on 16 September 2026, turned to Cyber Threat Intelligence: how organisations gather and act on intelligence about threats to move from reactive response to smarter, proactive cyber defence.

Titled "Cyber Threat Intelligence for Smarter and Proactive Cyber Defense", the session covered cyber threat intelligence fundamentals, proactive versus reactive defence, intelligence-driven security decisions, and a global industry perspective.

The International Industry Expert Webinars 2026 series is held monthly, on every third Wednesday.



Students at the third episode of the webinar series

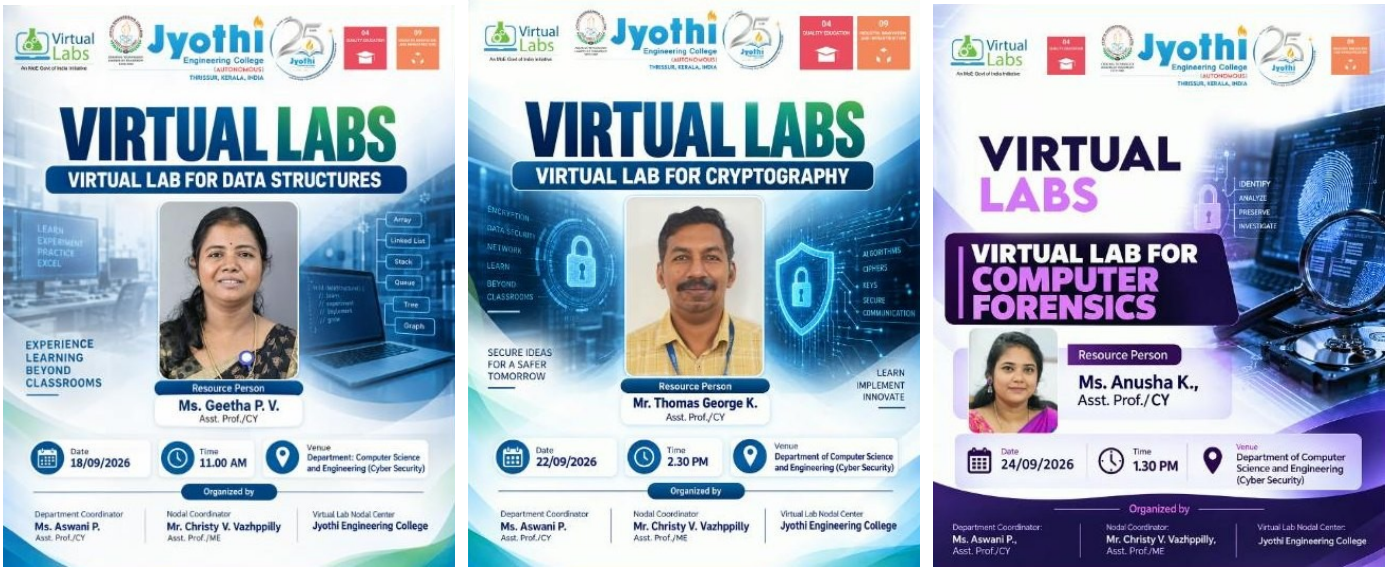


International Webinar Series, Episode 3

VIRTUAL LABS — A MINISTRY OF EDUCATION INITIATIVE

Faculty-Led Virtual Lab Sessions Cover Three Subjects

The department ran three faculty-led lab sessions across the second half of September through Virtual Labs, a Ministry of Education, Government of India initiative. Jyothi Engineering College serves as a Virtual Lab Nodal Centre.



Posters for the Data Structures, Cryptography and Computer Forensics Virtual Lab sessions

Ms. Geetha P. V led the Data Structures session on 18 September at 11:00 AM, Mr. Thomas George K. led Cryptography on 22 September at 2:30 PM, and Ms. Anusha K. led Computer Forensics on 24 September at 1:30 PM. All three are Assistant Professors in CSE (Cyber Security).

The sessions were held in the Department of CSE (Cyber Security) and aligned to SDGs 4 and 9. Ms. Aswani P., Assistant Professor, CSE (Cyber Security), was the department coordinator, and Mr. Christy V. Vazhppilly, Assistant Professor, Mechanical Engineering, was the nodal coordinator.

OUTREACH PROGRAMME — BLUE TEAM BOOTCAMP

The department carried cybersecurity well beyond its own classrooms in September. Through the “Blue Team Bootcamp – Advanced Cyber Awareness” outreach programme, S5 and S7 students, in association with the Cyber Club CYBERTON, led three bootcamp sessions at one college and two schools.



Blue Team Bootcamp at P K Das Liberal College of Arts and Science, Ottapalam

Bootcamp Reaches P K Das College, Ottapalam

The programme opened on 3 September 2026 at P K Das Liberal College of Arts and Science, Ottapalam, Palakkad, aiming to build awareness of contemporary cybersecurity threats, safe digital practices and the importance of a strong cybersecurity mindset.

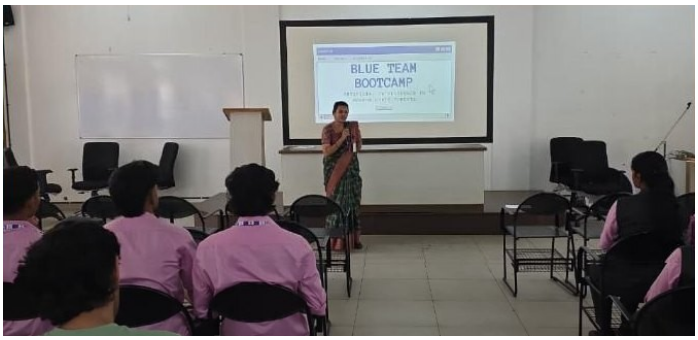
The session was supported by Mr. Joby Kuriakose, Civil Police Officer, Ottapalam Police Station. S7 CY students Hrishikesh P V, Amal Jimmy and Alvin Binoy conducted it, with faculty members Ms. Remya M and Mr. Joyel P. R.

S5 Students Take Cyber Awareness to Schools

The bootcamp then moved to two schools in Thrissur district: Vimalagiri Public School, Thanikkudam, on 23 September, and Government Boys’ Higher Secondary School, Wadakkanchery, on 25 September 2026.

S5 CY students Harish P Das, Addison Biju Chiryankandath, Ebin Baby and Mohammed Bilal conducted the school sessions, with faculty member Mr. Joyel P. R.





Students at the session in Ottapalam









School sessions at Vimalagiri Public School (left) and Government Boys’ HSS, Wadakkanchery (right)

INDUSTRY EXPOSURE — EDUCATIONAL VISIT

S3 Students Visit NeST Digital, Kakkanad

The department successfully completed an educational visit to NeST Digital, Kakkanad, Kochi, 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.



S3 Cyber Security students on the visit to NeST Digital, Kakkanad





Students during the visit to NeST Digital

STUDENT ACHIEVEMENT — INTERNSHIP PLACEMENT

James Joy Selected for Internship at iCare, Coimbatore

James Joy, an S7 Cyber Security student of the department, has been selected for an internship at iCare, Coimbatore, with a stipend of ₹10,000 per month. The department congratulates James on his selection.

FACULTY ACHIEVEMENTS

Dr. Resmi A. M Publishes Book

Dr. Resmi A. M published *Computer Networks and Network Security* on 22 August 2026 (ISBN 978-81-69935-35-7, DOI 10.5281/zenodo.22636666).

Faculty Present Research Papers

Dr. Resmi A. M presented "Zero Trust Architecture for IoT and Smart Environments: A Systematic Literature Review" at ICOSICS 2026 (IEEE), RV College of Engineering, Bengaluru, held on 23–25 September 2026.

Ms. Geetha P. V 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, on 9 September 2026.

Faculty Attend Conference and Workshop

Dr. Geethu Mary George and Dr. Resmi A. M attended the National Cyber Security Conference 2026, organised by the National Cyber Security Research Council at Technopark, Thiruvananthapuram, on 18 September 2026.

Dr. Geethu Mary George also attended a one-day national workshop, *Next-Gen Classrooms: Integrating Generative AI into Modern Pedagogical Practice*, on 27 September 2026.

Three Faculty Attend Online FDP

Ms. Geetha P. V, Ms. Sagna L. T and Ms. Remya M attended the 6-day online FDP *Redefining Engineering Education: AI, Industry 5.0 and Sustainable Learning*, Nehru College of Engineering & Research Centre, Thrissur, held on 14–19 September 2026.