



# KSR

COLLEGE OF ENGINEERING

# CN



# CyberNexus

Newsletter

## Computer Science Engineering (Cybersecurity)



January - June

# K.S.R COLLEGE OF ENGINEERING

## Autonomous

### VISION

To become a globally renowned institution in Engineering and Management, committed to providing holistic education that fosters innovation and sustainable development.

### MISSION

IM1 - Accomplish value-based quality education through innovative teaching-learning process.

IM2 - Enrich Engineering and Managerial Skills through cutting-edge laboratories to meet the demands of global integration.

IM3 - Enhance innovation and research to meet the evolving needs of industry, society, and sustainable development.





# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (CYBERSECURITY)

## VISION

To produce ethical cybersecurity technocrat for supporting digital ecosystems and sustainable global development.

## MISSION

**DM1** - Deliver quality education in cybersecurity through Immersive learning.

**DM2** - Impart interdisciplinary skills to meet global cybersecurity challenges through State of art Laboratory.

**DM3** - Foster research, innovation, and ethical practices to promote sustainable digital security.

## GRAM EDUCATIONAL OBJECTIVES(PEOS)

**PEO1-Core Competency:** Analyze and manage security incidents through effective threat detection and response strategies.

**PEO2-Professionalism:** Exhibit interdisciplinary skills to address cybersecurity challenges with ethical integrity that contribute to global cyber resilience.

**PEO3-Career Development:** Engage in lifelong learning, research and entrepreneurship to foster innovation and lead advancements in cyber security

## PROGRAM SPECIFIC OUTCOMES(PSOs)

**PSO1- Secure System Design:** Design and implement secure systems to protect data and infrastructure from cyber threats.

**PEO2- Threat Detection and Response:** Detect and respond to cyber threats using modern tools and ensure compliance with relevant standards.



# NEWSLETTER



## CHAIRMAN MESSAGE



SHRI R. SRINIVASAN, BBM, MISTE  
CHAIRMAN  
KSREI

I am delighted to witness the launch of CyberNexus, the official newsletter of the Cybersecurity Department at K.S.R. College of Engineering. In an era where digital security is of utmost importance, it is commendable that the department is actively engaging students through such informative initiatives. This newsletter provides a meaningful platform to showcase academic accomplishments, technical innovations, research highlights, and student contributions. It reflects the department's dedication to staying at the forefront of emerging technologies and preparing students to face real-world cybersecurity challenges. I appreciate the continuous efforts of the faculty in fostering a spirit of inquiry, innovation, and excellence. My best wishes to the entire team for the successful journey of CyberNexus and for many more milestones ahead.

## DEAN MESSAGE



Dr. M. VENKATESAN M.E., Ph.D.  
DEAN  
KSRCE

It is a pleasure to see the Department of Cybersecurity introducing CyberNexus, a newsletter that captures the spirit of innovation, learning, and growth within the department. As cybersecurity continues to be a vital field in the digital age, such initiatives play a key role in promoting awareness, sharing knowledge, and celebrating achievements. I commend the faculty and students for their dedication and teamwork in bringing out this publication. My best wishes to the entire team for continued success in all their future endeavors.



# PRINCIPAL MESSAGE



Dr. P. MEENAKSHI DEVI, M.E., Ph.D.,  
PRINCIPAL  
KSRCE

I am happy to note the release of CyberNexus, the newsletter of the Cybersecurity Department at K.S.R. College of Engineering. In today's technology-driven world, cybersecurity has become an indispensable field, and it is heartening to see the department taking steps to keep students engaged, informed, and industry-ready. This newsletter captures the essence of the department's academic strength, innovative practices, and active participation of both students and faculty in various technical pursuits. I appreciate the efforts behind this initiative and extend my best wishes to the editorial team and the entire department for the continued success of CyberNexus.

## HOD MESSAGE

It gives me great pleasure to share my thoughts in the edition of CyberNexus, the newsletter of the Department of Cybersecurity at K.S.R. College of Engineering. In an era where digital threats are constantly evolving, our department remains committed to equipping students with the knowledge, skills, and ethical grounding needed to become future-ready cybersecurity professionals. CyberNexus serves as a platform to showcase the vibrant activities, achievements, and innovations of our students and faculty. I appreciate the efforts of the editorial team and encourage all readers to stay informed, stay secure, and stay inspired as we continue our journey in the dynamic world of cybersecurity.



Mrs. K. SUDHA M.E., (Ph.D.)  
HEAD OF THE DEPARTMENT  
CSE (CS)



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# CAREER IGNITION



**GOWRI MEENA M**

Nexgen Nextopia

Digital Marketing

3.5 LPA



**JOEL PRAVEEN J**

Nexgen Nextopia

Digital Marketing

3.5 LPA



**MANJITH S**

Nexgen Nextopia

Digital Marketing

3.5 LPA



**MOHAN K**

Nexgen Nextopia

Digital Marketing

3.5 LPA



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4.0 LPA



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Cybersecurity  
Executive Engineer  
7.0LPA

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Global Knowledge of  
Technology  
6.5 LPA

**ILAYARAJA K**

Global Knowledge of  
Technology  
4.5. LPA

**NAMITHA SRI C S**

Global Knowledge of  
Technology  
4.5. LPA



## STUDENTS CORNER



S. R. Irfan Nishaath and K. Sethupathi from II year cybersecurity have received “Paper Presentation-Best Paper Award” from STEP society on 15.05.2025

## FACULTY SPOTLIGHT



**Mrs. K.Sudha, Assistant Professor / HEAD** has completed Generative AI(L1) in Global Knowledge of Technology at Bangalore on 28.04.2025

**Mr. K.Manikandan, Assistant Professor** underwent training on Generative AI (L1) in Global Knowledge of Technology at Bangalore on 28.04.2025





FACULTY SPOT LIGHT



Mrs. K.Sudha, Assistant Professor / Head received "Best Faculty Award" from IE(I) ,Hosur

Ms. R.Manoja, Assistant Professor, was honoured with "Faculty Leader Award" by STEP society



Mrs. K.Sudha, Assistant Professor / Head, Pitched her idea in ML algorithm with heat transfer on Mar, 2025 at SRM





## INDUSTRY CONNECT

The second-year Cybersecurity students of KSRCE visited the AI-integrated Kannan Devan Hills Plantations Company Pvt. Ltd., Munnar on 01.05.2025. The visit offered valuable insights into the use of artificial intelligence in plantation operations and resource management. Students observed how AI enhances monitoring, logistics, and overall efficiency. They also understood the critical role of cybersecurity in protecting these smart systems. This visit served as a practical learning experience, linking academic knowledge with industrial applications. It significantly broadened the students' understanding of AI and cybersecurity in real-time environments. The team also interacted with technical experts to understand system implementation and challenges. Students appreciated the role of automation in sustainable agricultural practices. The visit inspired many to explore innovative cybersecurity solutions in agri-tech industries.



Munnar Kannan Devan Pvt Limited  
2w7x+rm7, Munnar, Kerala 685612, India  
Lat 10.088933° Long 77.062200°  
01/05/2025 10:34 AM GMT +05:30

Google





# CAMPUS CHRONICLE

A session on “Marketing Strategies for Startups” was conducted by Dr.Devi AP / Innovation Ambassador Department of MBA on 13.02.2025. Students learned effective marketing, branding, and customer engagement techniques essential for startup success. The session encouraged entrepreneurial thinking and strategic planning.



A workshop on “TensorFlow and Keras in Computer Vision” was conducted on 25.01.2025 by Ms.SowntharyaSekar, Computer Vision Engineer, Cube AI Solutions Pvt. Ltd, Bangalore. Students gained hands-on experience in building deep learning models for image processing and computer vision tasks. The session enhanced their practical skills in AI applications relevant to cybersecurity.







A technical quiz on “Vulnerability Assessment and Penetration Testing” was held on 25.01.2025 for Cybersecurity students. The quiz focused on identifying system vulnerabilities, threat analysis, and ethical hacking concepts. It helped students apply their theoretical knowledge in a practical and engaging manner. The event boosted their awareness of real-time cybersecurity challenges and solutions.

A session on “Web Development: Understanding the Object Models” was conducted by Mr. S. Santhosh Kumar, Full Stack Developer, TCS Bangalore, on 22.2.2025. Cybersecurity students gained hands-on knowledge of DOM and BOM, enhancing their skills in secure and dynamic web application development.







A session on “Achieving Problem–Solution Fit and Product–Market Fit” was conducted by Mr. P. Gopinath, HR and Finance, NEXGEN NEXTOPIA, on 22.02.2025. The session helped students understand how to identify real customer needs and align products with market demands, offering key insights into startup success.

A session on “Security Testing & Vulnerability Management in Database Systems: A Design Thinking Perspective” was conducted by Mr. M. Prakash, Senior DataEngineer, Rabobank, Netherlands, on 08.03.2025. The session offered valuable insights into securing databases through design thinking, focusing on systematic testing and effective vulnerability management.







A session on “Cyber Defenders Wanted: Government Careers in Cybersecurity” was conducted by Dr. S. Rajasekaran, Head – Centre for Competitive Exams, KSRCE on 19.03.2025. The session highlighted various government career opportunities in cybersecurity and guided students on preparation strategies for competitive exams in this domain.

## INDUSTRY IMMERSION

(2 weeks of Summer Internship June, 2025)

A technically proficient cohort from the Cybersecurity Department of KSRCE completed an intensive internship at CubeAI Solutions, Coimbatore, in the domain of Agentic AI integrated with Cybersecurity. They gained hands-on experience in advanced areas such as autonomous AI agents, secure decision-making frameworks, and proactive threat detection mechanisms. The internship provided deep technical insights into developing intelligent, secure AI systems capable of autonomously mitigating real-world cybersecurity threats. This experience significantly strengthened their expertise in cutting-edge cybersecurity technologies.





A group of ten students from the Cybersecurity Department successfully completed an internship at StackQueue Education, Coimbatore, specializing in the domain of Cloud Computing with a focus on Amazon Web Services (AWS). During the internship, they gained hands-on experience in cloud infrastructure management, deployment of AWS services, and implementation of cloud security best practices. This practical exposure deepened their understanding of real-world cloud environments and equipped them with the skills required to excel in today's cloud-driven IT landscape.



An enthusiastic batch from the Cybersecurity Department successfully completed an internship at Pargavan Cyber Solutions, Salem, in the domain of Cybersecurity. The participants gained practical exposure to key areas such as intrusion detection, vulnerability assessment, and incident response. This hands-on training deepened their understanding of evolving cybersecurity threats and equipped them with the technical skills required to address real-world security challenges effectively. The experience significantly enhanced their readiness for roles in the cybersecurity industry.



A batch of students from the Cybersecurity Department successfully completed an internship at Hackup Technology, Coimbatore, in the domain of Ethical Hacking and Security Tools. They gained practical exposure to key areas such as penetration testing, vulnerability scanning, and the application of industry-standard cybersecurity tools. This hands-on experience greatly strengthened their ability to identify and mitigate security threats, equipping them with the technical proficiency to tackle real-world cybersecurity challenges effectively.



A group of budding cybersecurity professionals from our department successfully completed an internship at Prompt Infotech, Coimbatore, in the domain of Cybersecurity. They received practical exposure to crucial areas such as network security, ethical hacking, and threat analysis. This hands-on training enhanced their understanding of real-world cybersecurity challenges and equipped them with essential skills to implement effective security solutions.



A dynamic cohort of emerging cybersecurity talents from our department successfully completed an internship at Xplore IT Corp, Coimbatore. Immersed in the cutting-edge domain of Cybersecurity, they explored critical areas such as system security, ethical hacking, and malware analysis. This transformative, hands-on experience empowered them with advanced technical skills and real-world insights, preparing them to excel in the ever-evolving landscape of digital defense.



A pair of skilled learners from our department successfully completed an internship at Scipy Technology, Thiruvananthapuram, specializing in the domain of Cybersecurity. They gained hands-on exposure to vital areas such as information security, ethical hacking, and threat mitigation techniques. This practical experience enhanced their understanding of cybersecurity practices and equipped them with the expertise to effectively address real-world security challenges.



A talented representative S.Gowthambalaji from our department successfully completed an internship at Hypesec Infotech, Chennai, in the domains of Cybersecurity and IoT. The internship provided hands-on exposure to critical areas such as securing IoT devices, network protection, and threat detection in connected environments. This practical experience enriched is understanding of real-world challenges in the IoT ecosystem and equipped him with the skills to design secure and scalable smart solutions..



M.Pradhibha from our department completed an internship in the domain of Cybersecurity at Global Knowledge Technology, Bangalore. She gained practical exposure to key areas such as network defense, ethical hacking, and risk assessment. This hands-on experience enhanced their understanding of real-world cybersecurity threats and equipped with the technical skills required to navigate the evolving landscape of digital security.



M.Irfanashirin from our department completed an internship in the domain of Cybersecurity at Twincord Technology Pvt. Ltd., Tiruchengode. She gained practical exposure to key areas such as system security, ethical hacking, and vulnerability assessment. This hands-on experience enhanced understanding of real-world cybersecurity challenges and helped to develop essential skills to contribute effectively in the field of digital security.





## FACULTY TECHFUSION



Our department faculty completed a Valuable internship at CubeAI Solutions, Coimbatore, exploring the integration of Agentic AI with Cybersecurity. The internship provided practical experience in autonomous agents, intelligent threat detection, and secure AI-driven systems, strengthening their expertise in cutting-edge security technologies

Our department faculty successfully completed a focused internship on Cloud Computing at Stack Queue Education, Salem, emphasizing Amazon Web Services (AWS). The training offered practical insights into managing cloud infrastructure, deploying AWS services, and implementing security best practices, equipping them for modern cloud-driven solutions.



Faculty members from our department completed an internship at Hackup Technology, Coimbatore, in the field of Ethical Hacking and Security Tools. The program provided hands-on training in penetration testing, vulnerability scanning, and cybersecurity tools, strengthening their ability to tackle real-world security challenges effectively.



# SPORTS ARENA

Inter-Tournament 2025



C.Jotheeswaran & team received  
winner in badminton on 09.04.2025



V.S.Hariragavan & team won  
I Prize 4\*100 meters & III Prize  
100 meters on 22.05.2025



C.S.Manuj & team from II year  
won I Prize in Kabaddi on  
15.05.2025

S.Surya & team from III year  
won I Prize in Cricket on  
05.04.2025





## CAMPUS CONNECT



As part of Good Deeds Day – 2025, a Tree Stewardship Drive was organized on 22.03.2025. Students actively participated in planting and nurturing trees, promoting environmental awareness and sustainability. The event emphasized the importance of green initiatives and community responsibility.

A Clean Campus Drive was organized on 04.04.2025 in association with IMPULSE SAM. Students enthusiastically took part in cleaning and beautifying the campus, promoting hygiene and environmental responsibility. The event fostered a sense of teamwork and commitment towards maintaining a clean and green campus environment.



A session on “Cyber Security Awareness on Emerging Trends & Advanced Security” was conducted on 18.02.2025 for Diploma students. The session focused on the latest trends, threats, and advanced security measures in the digital world. Students gained insights into modern cybersecurity practices and the importance of staying updated in a rapidly evolving cyber landscape.





K.S.R COLLEGE OF ENGINEERING