



**KONGUNADU ARTS AND SCIENCE COLLEGE
(AUTONOMOUS)**

Re-accredited by NAAC with A⁺ Grade - 4th cycle,
College of Excellence – UGC
52nd Rank among Colleges in NIRF 2024
Coimbatore - 641 029, Tamil Nadu, India



DEPARTMENT OF COMPUTER SCIENCE (AIDED)

Guest Lecture on “Cyber Security & Intelligence”

Supported by

DBT STAR COLLEGE SCHEME

REPORT

Name of The Event	Guest Lecture on “Cyber Security & Intelligence”
Date	28.01.2025
Time	10.00AM-1.00PM
Venue of The Programme	C-34
Resource Person Name with Designation	Dr.T.Velumani, Assistant Professor, Department of Cyber Security & DCFS , Rathinam College of Arts and Science (Autonomous), Coimbatore.
Objectives of the Programme	It is to provide participants with a comprehensive understanding of the current landscape of cyber threats, the role of intelligence in combating cybercrime, and the strategies and tools used to protect digital infrastructures and sensitive data.
Outcome of the Programme	It is to enhance participants' understanding of the importance of cybersecurity in today's digital world, provide insights into various cyber threats, and highlight effective strategies for safeguarding personal, organizational, and governmental data, while also exploring the role of intelligence in identifying and preventing cybercrimes.
Number of Beneficiaries with class (Both students and faculty)	III B.Sc Computer Science : 45 Faculties: 3 Dr.A.Kavitha Ms.K.Deekshana Mrs.S.Vishalini Total No of Beneficiaries: 48

Report in detail:

He has explained about cyber security, cyber vulnerability, Cyber threats, key components of threat intelligence, Malware Analysis, Hacking, Ethical Hacking tools, futuristic technology of hacking.

Cybersecurity involves protecting systems, networks, and data from unauthorized access or damage. Cyber vulnerabilities refer to weaknesses in software, hardware, or human behavior that can be exploited by attackers. Cyber threats include malware, phishing, DDoS attacks, and ransomware, all of which aim to disrupt or steal sensitive data.

Threat intelligence is a key component in identifying, analyzing, and responding to these threats, involving data collection, analysis, and sharing of information about potential risks. Malware analysis helps in understanding malicious software through static, dynamic, or hybrid methods to detect and counteract threats.

Hacking, both ethical and malicious, involves gaining unauthorized access to systems, with ethical hackers using their skills to improve security. Tools like Metasploit, Wireshark, and Nmap are used in ethical hacking to test and enhance security defenses. As technology advances, the future of hacking will likely include AI-driven attacks, advanced social engineering, and more sophisticated malware techniques.

It involves the collection, analysis, and dissemination of data regarding potential or active threats to a network, system, or organization.

Cyber threat intelligence is knowledge, skills and experience-based information concerning the occurrence and assessment of both cyber and physical threats and threat actors that is intended to help mitigate potential attacks and harmful events occurring in cyberspace.

Signature of the Department Coordinator

Signature of the Head of the Department



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PHOTOS



