



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

**Re-accredited by NAAC with A+ Grade - 4th cycle,
College of Excellence – UGC
29th Rank among Colleges in NIRF 2023
Coimbatore - 641 029, Tamil Nadu, India**



DEPARTMENT OF COMPUTER SCIENCE (Aided)

Seminar on “Securing the Digital Frontiers: Exploring the Latest Trends and Applications in Cyber Security”.

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**DBT STAR COLLEGE SCHEME
REPORT**

Name of the Event	Securing the Digital Frontiers: Exploring the Latest Trends and Applications in Cyber Security
Date	21-12-2023
Time	10.00 AM to 4.00PM
Resource Person With Designation	Dr.S. MaruthaVijayan Assistant Professor School of Excellence of Law University, The Tamilnadu Dr.Ambedkar Law University, Chennai.
Venue of the Programme	Computer Lab -VI
Objectives of the Programme	1.To provide knowledge about Cyber Security. 2.To create awareness about the applications of cyber security. 3.To create awareness about cyber laws.
Outcome of the Programme	● Students gained knowledge about the cyber security trends and technologies ● Exposed to various applications of Cyber Security such as Network Security Surveillance, Identification and Access control etc.,

	● Learnt some of the Cyber Laws
Number of Beneficiaries with Class (Both Students and Faculty)	Students: 58 III B.Sc Computer Science (A) – Faculty: 1 Mr.P.Kaliraj Assistant Professor in Computer Science Kongunadu Arts and Science College Coimbatore-29. Total Number of Beneficiaries: 59

Report in Detail :

The Resource person Dr.S.Marutha Vijayan , Assistant Professor, School of Excellence of Law University, The Tamilnadu , Dr.Ambedkar Law University , Chennai explained the meaning if Cyber Security. It is the process of developing , adding and testing security features within applications to prevent security vulnerabilities against threats such as unauthorised access and modification . Cyber Security applications enable us to handle authentication using network security and cloud security technologies.

The Following top security trends and technologies defining cybersecurity were discussed.

- 1.Hybrid Data Centers
- 2.Use of AI in Cyber attacks
- 3.Hybrid Mesh Firewall
4. Threat Exposure Management
- 5.Comprehensive Protection
- 6.Security Consolidation

He stressed that the evolution of cyber threats and the corporate digital attack surface put increasing pressure on organizations to streamline and enhance their security architectures. The awareness about the Cyber Laws was created by discussing about the laws.

The following applications of Cyber Security were described in detail.

1. Network Security Surveillance

2. Identification and Access Control (IAM)
3. Software Security
4. Risk Management
5. Planning for disaster recovery and business continuity.
6. Physical Security
7. Compliance and Investigation
8. Security During Software Development
9. Security Against DDoS (Distributed denial of Service)
10. Protecting Critical Systems



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Date : 21/12/2023

Venue: Computer Lab VI



