Department of Computer Science with Cyber Security

Board of Studies Meeting

The 4th board of studies meeting was held on 11.11.2025 at 9.30 am

Members Present:

S.No.	Name	Category
1.	Dr. V. Shobana	Chairman
2.	Dr. K. Preetha, Assistant Professor & Head, Department of Computer Science with Cyber Security, Vellalar College for Women, Erode.	University Nominee
3.	Dr. Shina Sheen, Professor and Head, Department of Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore.	Subject Expert
4.	Dr. Ambili. P. S. Associate Professor, School of Computer Science and Applications, Reva University, Bengaluru.	Subject Expert
5.	Mr. Ajith. M, Senior Manager Malabar Group Calicut, Kerala.	Industry Expert
6.	Dr. N. Kuppuchamy	Co-opted Member
7.	Dr. A. Hazel Verbina	Co-opted Member
8.	Dr. R. Sowrirajan	Co-opted Member
9.	Dr. V. Malathi	Member
10.	Dr. A. Vinitha	Member
11.	Mr. C. Sasthikumar	Member
12.	Ms. M. Nagarani	Member
13.	Ms. Mirulashini Thangavelu III B.Sc. CS CY	Student Representative

The HoD and Chairman of the Department of Computer Science with Cyber Security welcomed and introduced all the members and appreciated them for their continuous support, contribution for the development of academic standard and enrichment of the syllabus.

The items of the agenda were taken one by one for discussion and the following resolutions were passed.

Item 4.1: *To review and approve the minutes of the previous meeting held on 28.06.2025.*

The chairman of the Board presented the minutes of the previous meeting held on 09.11.2024 and requested the members to approve. After brief discussion the following resolution was passed

Resolution:

Resolved to approve the minutes of the previous meeting held on 28.06.2025.

Item 4.2 *To review and approve the syllabus for the II Semester for the students admitted during the academic year 2025-26.*

The chairman presented the detailed syllabus for the II semester for the students admitted during the academic year 2025-26. The members deliberated in detail about the modification required. After discussion it is unanimously decided to adopt the following changes.

Changes Made:

Course Code	Course Name	Changes & Reason
25CYU2CP	Data Structures and C++	Dr. Ambili. P.S. suggested to implement Data Structures lab programs using C and C++ programming

After discussion the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the above modification and adopt the revised syllabus for the students admitted during the academic year 2025-26.

Item 4.3: *To review and approve the syllabus for the IV Semester for the students admitted during the academic year 2024-25.*

The Chairman presented the detailed syllabus for the IV semester for the students admitted during the academic year 2024-25.

The details of changes made also presented as follows:

Changes Made:

Course Code	Course Name	Changes & Reason
24CYU4CB	Principles of Cyber Security	IKS has been introduced in Unit V to foster understanding of India's traditional knowledge in Cyber Security and ethical reasoning as per the suggestions of Dr. Ambili. P.S.

After discussion the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the syllabus for the IV semester for the students admitted during the academic year 2024-25.

Item 4.4: *To review and approve the syllabus for the VI Semester for students admitted during the academic year 2023-24.*

The Chairman presented the detailed syllabus for the VI semester for the students admitted during the academic year 2023-24.

New Courses Introduced:

B.Sc. Computer Science with Cyber Security		
Course Code	**Course Name**	**Changes & Reason**
234CY1A6CA	Web Application Security	• To impart students with comprehensive knowledge of securing web applications through understanding of vulnerabilities and threats. • Defensive part and OWASP to be added in Unit V suggested by industry expert Mr. Ajith.
234CY1A6CP	Web Application Security Practical	• To equip students with practical knowledge and hands-on experience in identifying, exploiting and mitigating vulnerabilities in web applications, which is essential for security professionals.
234CY1A6SP	Vulnerability Assessment and Penetration Testing	• To impart students with hands-on experience in vulnerability assessment and penetration testing techniques • Securing of servers can be included as an exercise as suggested by Mr. Ajith.
234CY1A6DA	Cloud Security and Virtualization	• To equip students with knowledge of cloud security principles, virtualization technologies and their interdependence in ensuring secure and efficient cloud operations. • Dr. Shina Sheen & Mr. Ajith. suggested to add case studies on real-world cloud security incidents, cloud-based projects and virtualization breaches.

234CY1A6DB	Ethical Hacking and System Defense	• To provide students with foundational knowledge in ethical hacking methodologies and system defense strategies essential for identifying and mitigating security threats. • Security Operation Center Concept to be added in Unit V as suggested by Mr. Ajith.
234CY1A6DC	Big Data Analytics	• To emphasize the importance of data security, privacy and governance in Big Data environments.
234CY1A6DD	Block Chain Technology	• To provide students with comprehensive knowledge of Blockchain technology and its architecture in developing decentralized solutions. • Dr. Preetha suggested to include Basic application creation in Bitcoin as case study in Unit V.
234CY1A6DE	Security in Internet of Things	• To impart students with knowledge of Internet of Things, architectures, components and understanding of common IoT vulnerabilities, threats and attack surfaces across devices and networks. • Protocol Level attack in IoT devices to added in Unit V as suggested by Mr. Ajith.
234CY1A6DF	Deep Learning	• To provide students with a strong foundation in Deep Learning concepts, architectures, understanding of various deep learning models such as CNNs and RNNs.

After discussion the following resolution was passed with the above changes and modifications.

Resolution:

Resolved to approve the syllabus for the VI semester for the students admitted during the academic year 2023-24.

Item 4.5: *To consider and approve the self-study course offered in III semester for the students admitted during academic year 2025-26.*

The board discussed and approved the existing self-study courses offered in III semester for the students admitted during academic year 2024-25.

Course Code	Name of the Course
25CYUSSA	Web Essentials
25CYUSSB	Digital Marketing

Resolution:

Resolved to approve the self-study course offered in III semester for the students admitted during academic year 2025-26.

Item 4.6: *To approve the panel of examiners for question paper setting and evaluation of answer scripts for the even semester of the academic year 2025-26.*

The Chairman presented the panel of examiners for question paper setting, question paper scrutiny, conduct of practical and theory examination and evaluation, the same shall be submitted to CoE for the even semester of the academic year 2025-26.

Resolution:

Resolved to approve the panel of examiners for Question paper setting, Question paper Scrutiny and conduct of practical and theory examinations and evaluation for the even semester of the academic year 2025-2026.

Item 4.7: *To consider and approve any other item brought forward by the Chairman and the members of the board.*

The board discussed the components of extra credits and requested suggestions from the board members.

Finally, the Chairman thanked all the members for their cooperation and contribution in enriching the syllabus with active participation in the meeting and sought the same spirit in the future also. The meeting closed with a formal vote of thanks proposed by Dr. V. Malathi, Assistant Professor, Department of Computer Science with Cyber Security.

Date:11.11.2025

(Dr. V. Shobana)

BoS Chairm... / HoD
Dept. of Computer Scienc... ...ber Security
Dr. N.G.P. Arts and ...ence College
Coimbatore - 641 048.

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6CA / WEB APPLICATION SECURITY

Unit	Contents
I	**Introduction** Evolution of Web Applications-Common Web Application Functions-Benefits of Web Applications-Web Application Security: Core Security Problem-New Security Parameter-Future of Web Application Security- Defense Mechanisms- Handling User Access, User Input and Attackers.
II	**Web Application Technologies** The HTTP Protocol: HTTP Requests, Responses, Methods- URLs-REST-HTTP Headers-Cookies- Status Codes- HTTPS- HTTP proxies and Authentication-Web Functionality-Encoding Schemes
III	**Client-Side Controls** Transmitting Data via Client: Hidden Form Fields-HTTP Cookies-URL Parameters- Referer Header- Opaque Data-Capturing User Data: HTML Forms- Browser Extensions-Handling Client-side Data Securely: Transmitting-Validating-Logging and Alerting.
IV	**Authentication** Authentication Technologies- Design Flaws-Implementation Flaws: Fail-Open Login Mechanisms-Defects in Multistage Login Mechanisms-Insecure Storage of Credentials-Securing Authentication.
V	**Attacking** OWASP- Introduction to OWASP - Attacking Data Stores: Injecting into Interpreted Contexts-SQL-NoSQL-Attacking Application Logic: Nature of Logic Flaws-Real World Logic Flaws-Avoiding Logic Flaws-Attacking Users: Cross-Site Scripting: Varieties of XSS-XSS Attacks in Action- Finding and Exploiting XSS Vulnerabilities-Preventing XSS Attacks.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6CP/WEB APPLICATION SECURITY

Program no.	Contents
1.	Intercept and Modify HTTP Requests
2.	SQL Injection for Authentication Bypass.
3.	Stored XSS Attack
4.	Reflected XSS Attack
5.	Cookie Manipulation
6.	Parameter Tampering
7.	CSRF Token Manipulation
8.	File Upload Vulnerability Test
9.	Directory Traversal Attack
10.	Login Brute Force using Burp Intruder
11.	Inspect HTTP Headers & Modify User-Agent
12.	HTTPS Inspection & Certificate Issues

PERCENTAGE OF SYLLABUS REVISED: 100%

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6SP / VULNERABILITY ASSESSMENT AND PENETRATION TESTING

Program no.	Contents
1.	a. Reconnaissance & Scanning b. Basic Port Scanning using Nmap.
2.	OS and Service Detection using Nmap.
3.	Website Reconnaissance using whois, dig, and nslookup.
4.	Subdomain Enumeration using sublist3r or amass.
5.	Enumerate SMB Shares using enum4linux.
6.	Brute-force SSH Login using Hydra.
7.	Enumerate Directories using Dirb or Gobuster.
8.	Scan Web Vulnerabilities using Nikto
9.	Scan for Vulnerabilities using OpenVAS or Nessus.
10.	Search for Exploits using Searchsploit.
11.	Reverse Shell with Netcat.
12.	Securing of server using VAPT Create and Submit a Basic VAPT Report.

PERCENTAGE OF SYLLABUS REVISED: 100%

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6DA / CLOUD SECURITY AND VIRTUALIZATION

Unit	Contents
I	**Introduction** Introduction - History - Fundamentals - Characteristics - advantages and disadvantages - Comparison of traditional computing - Cloud Deployment Models - Cloud Service Models - Cloud Infrastructure.
II	**Cloud Architecture and Environment** Cloud Computing Architecture: Cloud Architecture - Cloud Computing Life Cycle - Reference Architecture - Load Balancing approach - Cloud Providers: Google App Engine – Amazon AWS – Microsoft Azure - Cloud Software Environments – Comparison between IaaS, PaaS and SaaS.
III	**Virtualization Techniques** Virtualization Techniques - Technology - Overview of x86 Virtualization -Types of Virtualization - CPU - Memory - Device and I/O - OS Level - Network - Client/Server-Application - Virtualization Product - Virtual LAN - Virtual SAN - VM Migration - Consolidation and Management.
IV	**Cloud Security** Cloud Security and Privacy - CIA Security model - Security Architecture - Server provider Security Issues - Legal Issues - Data Security - Risk Management - Data Privacy - Business Continuity and Disaster recovery - Threats in cloud - Security Techniques for threat protection - Migration of local Server into Cloud.
V	**Cloud Security Architecture** Cloud Computing Security Architecture - VM Security Challenges - Vulnerability Assessment tools for Cloud - Opensource security Solution- Service Oriented Architecture : SOA Foundation - Web services - Communications - Components - Infrastructure.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
✓	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6DB / ETHICAL HACKING AND SYSTEM DEFENSE

Unit	Contents
I	**Introduction** Ethical Hacking Overview - Role of Security and Penetration Testers - Penetration-Testing Methodologies - IP Addressing - Network and Computer Attacks – Malware: Protecting Against Malware Attacks - Intruder Attacks - Addressing Physical Security.
II	**Foot Printing, Reconnaissance and Scanning Networks** Foot printing Concepts - Foot printing through Search Engines, Web Services, Social Networking Sites, Website, Email - Competitive Intelligence - Foot printing through Social Engineering - Foot printing Tools - Network Scanning Concepts - Port-Scanning Tools - Scanning Techniques - Scanning Beyond IDS and Firewall.
III	**Enumeration and Vulnerability Analysis** Enumeration Concepts - NetBIOS Enumeration – SNMP, LDAP, NTP, SMTP and DNS Enumeration - Vulnerability Assessment Concepts - Desktop and Server OS Vulnerabilities - Windows OS Vulnerabilities - Tools for Identifying Vulnerabilities in Windows- Linux OS Vulnerabilities- Vulnerabilities of Embedded OS.
IV	**System Hacking** Hacking Web Servers - Web Application Components- Vulnerabilities - Tools for Web Attackers and Security Testers-Hacking Wireless Networks - Components of a Wireless Network – Wardriving- Wireless Hacking.
V	**Network Protection Systems** Access Control Lists. - Cisco Adaptive Security Appliance Firewall - Configuration and Risk Analysis Tools for Firewalls and Routers - Intrusion Detection and Prevention Systems - Network Based and Host-Based IDSs and IPSs - Web Filtering - Security Incident Response Teams – Honeypots - Introduction to Security Operations and the SOC.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
✓	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6DC / BIG DATA ANALYTICS

Unit	Contents
I	**Introduction** Introduction to Big Data: Definition-Characteristics (5 Vs)-Types- Structured, Semi-structured and Unstructured - Sources of Big Data-Challenges in Big Data Processing-Traditional vs. Big Data computing-Technologies supporting Big Data- Big Data Applications.
II	**Hadoop Ecosystem** Introduction to Hadoop and its architecture- Hadoop Distributed File System (HDFS) – Design, Features, Block size, Replication-Hadoop YARN – Resource management-MapReduce Programming Model – Concepts, Data Flow-Input Format, Output Format, Combiner, Partitioner- Hadoop streaming and writing MapReduce Programs.
III	**NoSQL and Data Processing Frameworks** Introduction to NoSQL – Types (Key-Value, Column, Document, Graph)- Comparison with RDBMS-MongoDB: Architecture, CRUD operations-Apache HBase: Data Model, Operations-Cassandra basics-Apache Spark: Architecture and RDD- Transformations and Actions in Spark-Spark vs. Hadoop MapReduce.
IV	**Big Data Analytics Methods and Tools** Data preprocessing and cleaning techniques-Exploratory Data Analysis (EDA)- Clustering: K-means, Hierarchical-Classification: Decision Tree, Random Forest-Introduction to MLlib in Spark-Integration of R/Python with Big Data platforms.
V	**Big Data Applications and Trends** Real-time Big Data Analytics: Streaming -Big Data in IoT, Smart Cities, and Healthcare-Sentiment Analysis using Big Data-Graph Analytics with Neo4j-Ethical issues and data privacy in Big Data.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6DD / BLOCK CHAIN TECHNOLOGY

Unit	Contents
I	**Introduction** Introduction- History- Definition-Fundamentals- Characteristics- Consensus in Trust-Building Exercise- Public, Private, and Hybrid Blockchains-Distributed Ledger Technologies-Architecture of Blockchain-Transactions-Chaining Blocks.
II	**Hadoop Ecosystem** Introduction- Distributed Decentralized Databases-Decentralized Enterprise-Decentralization-Disintermediation-Decentralized Enterprise Regulation. Hashing: Message Authentication Code-Distributed Hash Tables-Hashing in Blockchain Mining.
III	**Blockchain Components** Ethereum-Ethereum Virtual Machine-History-Working of Ethereum- Clients- Key Pairs-Addresses- Wallets- Transactions- Languages- Development Tools.
IV	**Smart Contracts** Introduction- Smart Contracts- Absolute and Immutable- Contractual Confidentiality-Characteristics- Utilities: Smart Grid- Proofs of Origin- Supply Chain Management-Medical Sciences- Finance -Darknet.
V	**Decentralized Applications** Introduction -Blocks Validation and Identification- Bitcoins Creation- Mining Hardware and Software- Running Miner Software- Executing Several Miners- Swarm- Robotic Possibilities- Sidechain Hopping- Blockchain Forks.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
✓	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6DE / SECURITY IN INTERNET OF THINGS

Unit	Contents
I	**Introduction** Internet of Things (IoT) an Overview: IoT Definition- IoT Conceptual Framework-IoT Architectural View- Technology behind IoT- Sources of IoT- Machine to Machine (M2M) Communication- Examples of IoT.
II	**Design Principles of IoT** IoT /M2M, Layers and Designs Standardisation-Communication Technologies: Wireless Communication Technology-Wired Communication Technology- Web Communication and Message Communication protocols for connected devices.
III	**Data Acquisition and Storage** Data Acquiring and Storage-Organising the Data-Transactions, Business Processes, Integration and Enterprise Systems-Analytics- Knowledge Acquiring, Managing and Storing Processes.
IV	**Sensors and Actuators** Introduction- Sensor Technology: Sensing the Real World- Examples of Sensors-Participatory Sensing, Industrial IoT and Automotive IoT: Automotive IoT-Actuator-Sensor Data Communication Protocols.
V	**IoT Privacy, Security and Vulnerabilities** Vulnerabilities, Security Requirements and Threat Analysis- Use Cases and Misuse Cases-IoT Security Tomography and Layered Attacker Model-Identity Management and Establishment, Access Control and Secure Message Communication-Security Models, Profiles and Protocols for IoT.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
✓	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus (New Course)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: VI**

Course Code/ Name: 234CY1A6DF / DEEP LEARNING

Unit	Contents
I	**Introduction** Introduction – Basic concepts – Convex sets, convex functions – loss functions – Gradient descent – Variants - Perceptron – Activation functions - Geometric representation – Perceptron Convergence theorem- Feed Forward Networks - Multi layer Perceptron – back propagation - Learning XOR – Auto encoder - Deep neural networks.
II	**Neural Networks** Optimization methods for neural networks - Adagrad, Adadelta, rmsprop, adam, NAG - second order methods for training, Saddle point problem in neural networks, Regularization methods - dropout, batch normalization, Ridge and Lasso.
III	**Convolutional networks** Structure – properties – Region based CNN - LeNet – Alex net- Recurrent networks – Recurrent neural networks (RNN) – Gated Recurrent unit – Long Short Term Memory – Bidirectional RNNs - Deep recurrent network – Methodology – Applications.
IV	**Deep Learning Models** Linear Factor Models, variants of Autoencoders, Representational Learning, Structured probabilistic models for deep learning, Monte Carlo Methods, Generative adversarial networks – Deep generative models.
V	**Applications** Malicious language processing- Malware and code analysis – Deep Phish - Big Data, Brain Computer Interface, Vision, IoT.

PERCENTAGE OF SYLLABUS REVISED: 100%

COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
✓	Intellectual Property Rights		Gender Sensitization
	Social Awareness/ Environment		Constitutional Rights/ Human Values/ Ethics

Syllabus (Revision)

Faculty: Computer Science **Board: Computer Science with Cyber Security**

Programme: B.Sc. Computer Science with Cyber Security **Semester: IV**

Course Code/ Name: 24CYU4CB / PRINCIPLES OF CYBER SECURITY

Unit	Existing	Changes
I	**Information Security and Cyber Security** Introduction to Information Security: Principles, Policies – Cyber security Overview – Difference between Information Security and Cyber Security – Common threats in the market – Importance of Cyber Security – Cyber security strategy and its importance – Strategy components.	**Information Security and Cyber Security** Introduction to Information Security: Principles, Policies – Cyber security Overview – Difference between Information Security and Cyber Security – Common threats in the market – Importance of Cyber Security – Cyber security strategy and its importance – Strategy components.
II	**Cybersecurity Techniques** Password Cracking –Malwares – DoS and DDoS Attacks – SQL Injection – Phishing: Different Techniques, Common Phishing Scams, Prevention Measure- Identity Theft: Types, Techniques, prevention - Attacks on Wireless network: Types, Tools.	**Cybersecurity Techniques** Password Cracking –Malwares – DoS and DDoS Attacks – SQL Injection – Phishing: Different Techniques, Common Phishing Scams, Prevention Measure- Identity Theft: Types, Techniques, prevention - Attacks on Wireless network: Types, Tools.
III	**Next Generation Firewalls** Perimeter Networks: Firewall, Types - Deep Pocket Inspection-Web Proxy and Secure Web gateway-Web Application Firewall-Virtual Private Network-Zero Day Attack Protection-Intrusion Detection and Prevention System-DNS Security- Next Generation Firewalls- Web Security Solutions.	**Next Generation Firewalls** Perimeter Networks: Firewall, Types - Deep Pocket Inspection-Web Proxy and Secure Web gateway-Web Application Firewall-Virtual Private Network-Zero Day Attack Protection-Intrusion Detection and Prevention System-DNS Security- Next Generation Firewalls- Web Security Solutions.
IV	**Cyber Security Planning** Security Governance principles, components and Approach-Information Risk Management-Asset Identification-Threat Identification-Vulnerability Identification-Risk Assessment Approaches-Likelihood and Impact Assessment-Risk Determination, Evaluation and Treatment-Security Management Function-Security Policy- Security Models: Bell La Padula, Biba Integrity, Chinese Wall.	**Cyber Security Planning** Security Governance principles, components and Approach - Information Risk Management - Asset Identification - Threat Identification - Vulnerability Identification - Risk Assessment Approaches - Likelihood and Impact Assessment - Risk Determination, Evaluation and Treatment - Security Management Function - Security Policy - Security Models: Bell La Padula, Biba Integrity, Chinese Wall.
V	**Security Controls** People Management-Human Resource Security-Security Awareness and Education-Information Management-Information Classification and handling-Privacy-Documents and Record Management - ~~Physical Asset Management-Office Equipment-Industrial Control Systems-Mobile Device Security - System Development~~ - -Incorporating Security into SDLC	**Security Controls** People Management-Human Resource Security-Security Awareness and Education-Information Management-Information Classification and handling-Privacy-Documents and Record Management -Incorporating Security into SDLC-**Indian Knowledge System: Introduction, Vedic Corpus, Indian Scheme of Knowledge, Knowledge: Triangle, Framework, Deductive and inductive logic framework.**

PERCENTAGE OF SYLLABUS REVISED: 20%
COURSE FOCUSES ON:

✓	Skill Development	✓	Entrepreneurial Development
✓	Employability	✓	Innovations
✓	Intellectual Property Rights	✓	Gender Sensitization
✓	Social Awareness/ Environment	✓	Constitutional Rights/ Human Values/ Ethics

Department of Computer Science with Cyber Security

Board of Studies Meeting

The Attendance of 4th board of studies meeting was held on 11.11.2025 at 9.30 am.

S.No.	Name	Category	Attendance Status
1.	Dr. V. Shobana	Chairman	Present
2.	Dr. K. Preetha, Assistant Professor & Head, Department of Computer Science with Cyber Security, Vellalar College for Women, Erode.	University Nominee	Present
3.	Dr. Shina Sheen, Professor and Head, Department of Applied Mathematics and Computational Sciences, PSG College of Technology, Coimbatore.	Subject Expert	Present
4.	Dr. Ambili. P. S. Associate Professor, School of Computer Science and Applications, Reva University, Bengaluru.	Subject Expert	Present
5.	Mr. Ajith. M, Senior Manager Malabar Group Calicut, Kerala.	Industry Expert	Present
6.	Dr. N. Kuppuchamy	Co-opted Member	Present
7.	Dr. A. Hazel Verbina	Co-opted Member	Present
8.	Dr. R. Sowrirajan	Co-opted Member	Present
9.	Dr. V. Malathi	Member	Present
10.	Dr. A. Vinitha	Member	Present
11.	Mr. C. Sasthikumar	Member	Present
12.	Ms. M. Nagarani	Member	Present
13.	Ms. Mirulashini Thangavelu III B.Sc. CS CY	Student Representative	Present

Date: 11.11.2025

11/11/25

(Dr. V. Shobana)

BoS Chairman / HoD

Dept. of Computer Science with Cyber Security

Dr. N.G.P. Arts and Science College

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