



# SPHOORTHY ENGINEERING COLLEGE (UGC AUTONOMOUS)

## Department of Cyber Security

### Course Plan A.Y. 2025-26

Course Name: Web & Database Security

Faculty Name: J. Naresh Kumar

YEAR & SEM: IV YEAR & I-SEM

S.NO	Unit No	Brief Details of Unitpic	No. of Periods requireds	Remarks
1	UNIT 1	The Web Security, The Web Security Problem, Risk Analysis and Best Practices. Cryptography and the Web: Cryptography and Web Security, Working Cryptographic Systems and Protocols, Legal Restrictions on Cryptography, Digital Identification	12	Chalk & Talk
2	UNIT 2	The Web's War on Your Privacy, Privacy-Protecting Techniques, Backups and Antitheft, Web Server Security, Physical Security for Servers, Host Security for Servers, Securing Web Applications	12	Chalk & Talk
3	UNIT 3	Database Security: Recent Advances in Access Control, Access Control Models for XML, Database Issues in Trust Management and Trust Negotiation, Security in Data Warehouses and OLAP Systems	11	Chalk & Talk
4	UNIT 4	Security Re-engineering for Databases: Concepts and Techniques, Database Watermarking for Copyright Protection, Trustworthy Records Retention, Damage Quarantine and Recovery in Data Processing Systems, Hippocratic Databases: Current Capabilities and	13	Chalk & Talk
5	UNIT 5	Future Trends Privacy in Database Publishing: A Bayesian Perspective, Privacy-enhanced Location based Access Control, Efficiently Enforcing the Security and Privacy Policies in a Mobile Environment	8	Chalk & Talk

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Course Coordinator

Faculty Signature