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RGPV B.Tech – CSE 5th Semester Syllabus

CS-503-C: Cyber Security

Unit I: Introduction to Cyber Crime

- Challenges and classifications of cyber crimes
- Email spoofing, spamming, internet time theft
- Salami attack, phishing, web jacking

Unit II: Cyber Crime Techniques

- Online frauds, software piracy, identity theft
- Cyber terrorism, session hijacking
- Hackers, insurgents, extremist groups

Unit III: Cyber Law and Criminal Justice

- IT Act 2000, hacking, web vandalism
- Cyber fraud, defamation, harassment
- Jurisdiction, penalties, strategies to tackle cyber crime

Unit IV: Digital Evidence and Legal Framework

- Indian Evidence Act vs IT Act
- Electronic records as evidence
- Digital signatures, electronic agreements and messages

Unit V: Tools and Methods in Cybercrime

- Proxy servers, anonymizers, password cracking
- Keyloggers, spyware, viruses, worms
- Trojan horses, DoS/DDoS attacks, buffer overflow
- Wireless network attacks, phishing techniques



Download Official Syllabus

- [RGPV Notes – CS-503-C Full Breakdown](#)
- [Career Shiksha – CS-503 Electives Overview](#)

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