

Elective Course 2: IT Governance, Compliance and Cyber Law

Course Type:	PS: Program Specialisation	Course Credits:	2
Course Code:	S4PE535	Course Duration:	30 Hours

Course Objective:

- To familiarize students with principles of IT governance, compliance standards, and cybersecurity regulations.
- To equip students with practical skills in implementing governance frameworks such as COBIT and ISO standards.
- To develop analytical capabilities for aligning IT governance with business strategy and legal compliance.
- To foster understanding of Indian and global cyber laws, data privacy, and intellectual property rights.
- To cultivate strategic insights into risk management, accountability, and ethical IT practices.

Course Outcomes:

- CO1: Explain the purpose and structure of IT Governance frameworks like COBIT and ITIL
- CO2: Analyze and compare different governance standards and compliance frameworks.
- CO3: Apply IT governance principles to organizational scenarios.
- CO4: Evaluate legal and regulatory compliance requirements, including SOX and IT Act
- CO5: Interpret key components of cyber laws including data privacy, IPR, and cybersecurity.
- CO6: Develop IT governance and compliance strategies that align with cyber laws.

Unit / Module	Content	CO Mapping	Hours Assigned
1	Introduction to IT Governance and COBIT Framework- Need for IT Governance- COBIT as an umbrella framework- COBIT Domains and KPAs- Implementing COBIT- COBIT from an audit perspective	CO1, CO3	8
2	Governance Frameworks and Standards- Importance of IT governance and compliance- Overview of standards: COBIT, ISO 27000, ITIL/ITSM- Comparison of frameworks	CO1, CO2	8
3	Compliance Regulations and Acts- Indian IT Act- Sarbanes-Oxley (SOX)- Graham-Leach- Bliley Act (GLBA)-RBI & Banking regulations- Basel III (for banks)	CO2, CO4	8
4	Cybersecurity Standards and Best Practices- BS 7799 / ISO 27001- ITIL/ITSM revisited- NIST Framework- Industry-specific regulations and guidelines	CO2, CO3	8
5	Cyber Laws – Key Areas- Cybercrime Laws (Hacking, Identity Theft)- Data Protection and Privacy (GDPR, CCPA)- Intellectual Property Laws- Electronic Transaction Laws with case studies	CO4, CO5, CO6	8
6	Cyber Laws – Important Global Regulations- GDPR (EU)- CCPA (California)- CFAA & DMCA (USA)- EU Cybersecurity Act-Compliance strategy development	CO4, CO5, CO6	8

Textbooks

1. Enterprise Governance of Information Technology: Achieving Alignment and Value, Featuring COBIT 5 by Steven De Haes and Wim Van Grembergen. Springer, 2015.
2. Strategies for Information Technology Governance by Wim Van Grembergen. IGI Publishing, 2003
3. “COBIT 2019 Framework: Introduction and Methodology” ISACA, Core textbook for understanding COBIT Framework
4. “Information Security Governance: Guidance for Information Security Managers” by W. Krag Brotby, Auerbach Publications

5. "IT Governance: How Top Performers Manage IT Decision Rights for Superior Results" by Peter Weill & Jeanne W. Ross, Harvard Business Review Press
6. "Cyber Law: The Indian Perspective" by Pavan Duggal, Universal Law Publishing
7. "Information Technology Law and Practice" by Vakul Sharma, Universal Law Publishing.

Reference Books

1. "The Law of Cyber Crimes and Information Technology Law" by S.V. Joga Rao, Wadhwa & Co.
2. "Managing Information Security" by John R. Vacca, Syngress
3. "The Complete Guide to IT Service Management" by Addie Schwartz, IT Governance Publishing
4. "Understanding SOX and Internal Controls for the IT Professional" by Chris Davis & Mike Schiller, Syngress
5. "GDPR: A Practical Guide" by Suzanne Dibble, Suzanne Dibble Publishing.

