

Transformative Technologies: Risks & Opportunities – A Boardroom Playbook

This comprehensive playbook equips Boards of Directors, particularly Independent Directors, with structured frameworks and actionable strategies to effectively oversee emerging transformative technologies. Focusing on Cloud Computing, Artificial Intelligence (AI), and Cybersecurity, this document balances risk mitigation with opportunity maximization, providing practical governance tools that strengthen board oversight while driving innovation-led value creation.

Author: Sanket Kulkarni

Table of Contents

- The Imperative for Board-Level Technology Oversight
- A Framework for Effective Technology Governance
- Building Board Digital Fluency
- Technology Fluency Assessment Framework
- Digital Fluency Implementation Strategies
- Cloud Computing: Strategic Considerations for Directors
- Artificial Intelligence: Governance Imperatives
- Cybersecurity: A Board-Level Imperative
- Cybersecurity Oversight Framework & CSF 2.0 Dashboard
- Cybersecurity Governance Review Guide: Strengthening Board Oversight
- Practical Tools for Board-Level Technology Oversight
- Technology Risk Management Tools
- Vendor Concentration & 'Non-Attack' Resilience
- Boardroom Dashboards: Empowering Digital Oversight
- Dashboard Metrics by Technology Domain
- Case Studies: Technology Governance in Action
- Additional Case Studies: Technology Governance Lessons
- ESG & Regulatory Alignment: Governing Technology Responsibly
- Technology Regulation Timeline: What's Binding When
- 2025 Regulatory Compliance Priorities: India, EU & US
- 2025 Regulatory Compliance Priorities: EU & US Requirements (Continued)
- Technology Risk Assessment Checklists: Empowering Board Oversight
- Technology Risk Assessment Implementation Guide
- Digital Due Diligence Frameworks: Ensuring Informed Technology Decisions
- Board Discussion Agenda Templates: Catalysing Focused Technology Dialogue
- Implementation Guidance for Effective Technology Governance
- Appendices & References
- Conclusion and Call to Action