Indian Institute of Management Kanpur
New Course Proposal

1. **Course Number**: MBAxxx
2. **Course Title**: Cyber Security and Privacy for Managers
3. **Credits**: 3-0-0-1 [10]
   Duration of Course: Full Semester
4. **Proposing Department**: Department of Management Sciences
   Other Department/IDPs which may be interested in the proposed course:
   Other faculty members interested in teaching the proposed course:
5. **Proposing Instructor(s)**: Sourya Joyee De
6. **Course Description**: Organizations, irrespective of the industry they belong to, are constantly under the threat of security and privacy breaches. These risks are further fuelled by digital transformation and the central role played by customer data processing in business operations and strategy. A single incident of data breach can wipe out an entire business. Therefore, managing security and privacy risks is a business problem. An organization's security and privacy posture are driven by the top management and not by firewalls or biometrics. This course emphasizes that the senior management has a much more significant role to play in protecting their organizations from these digital risks than they may think. The course enables students to understand the current security and privacy landscape, security and privacy concerns of the customer and the management and discusses managerial strategies to handle privacy and security risks and incidents across critical business activities and information systems.

A) Contents

Serial No.	Broad Title	Topics	No. of Lectures
1.	Key Concepts in Cyber Security	Cyber Security Attacks, Cyber Frauds, CIA Triad, Antecedents and Consequences of Data Breaches and Cyber Frauds	2
2.	Enterprise Cyber Security Governance	5 LoA in Cyber Security, Chief Information Security Officer (CISO) Role, BoD Engagement in Cybersecurity	3
3.	Cyber Security Risk Management Approach	Cybersecurity Risk Management, Relevant Standards and Frameworks	3
4.	Cyber Security Strategies for Business Managers	Building a Cyber Security Culture, Cybersecurity Response Strategies, Crisis Communication, Cyber Security Policies, SETA, Compliance Issues	5
5.	Key Concepts in Privacy	Defining Privacy, Privacy Risks and their Business Impacts, Privacy Harms, Data Strategies and Privacy Impacts	3
6.	Privacy Decision-Making by Individuals	Privacy Decision-Making, Privacy Concerns and their Antecedents, Privacy Paradox, Privacy Calculus, Drivers of Protection Motivation and Privacy Protective Behaviours	5

7.	Privacy Strategies for Business Managers	Data Protection Regulations and Compliance Issues, Privacy Policies, Privacy Risk Analysis, Privacy by Default, Privacy by Design, Role of Interventions in Managing Customer Privacy Concerns and Decision-Making	7

B) **Pre-requisites, if any**: None

7. **References**

1) De, S. J., & le Metayer, D. (2016). *Privacy Risk Analysis*. Morgan & Claypool Publishers.
2) De, S. J., & Imine, A. (2020). *Privacy Risk Analysis of Online Social Networks*. Morgan & Claypool Publishers.
3) Whitman, M. E., & Mattord, H. J. (2013). *Management of Information Security*. Cengage Learning.
4) Whitman, M. E., & Mattord, H. J. (2021). *Principles of Information Security*. Cengage Learning.

Dated: 31 January 2025

Dated:_____

Proposer: Sourya Joyee De

DUGC/ DPGC Convener:

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The course is approved/not approved.

Chairman, SUGC/SPGC

Dated:_____