Indian Institute of Management Kanpur
New Course Proposal

1. **Course Number:** MBAxxx $64LiM$
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   **Proposer:** Sourya Joyee De

Dated:_____   **DUGC/ DPGC Convener:**

_____

The course is approved/not approved.

Chairman, SUGC/SPGC   Sudb

Dated:_____ 24/03/25 _____

From:	DPGC DoMS <dpgc_doms@iitk.ac.in>
Sent:	24 February 2025 11:30
To:	Pgdesk
Cc:	sourya
Subject:	Fwd: Proposal for a new course (DoMS)

Follow Up Flag:	Follow up
Flag Status:	Flagged
Categories:	Blue Category

Dear Ravi ji,

The following course completed 21 days of the review process yesterday. The proposer of the course or the DPGC have not received any comments on the course outline. Therefore, the outline present in the link can be considered as final, and may be considered for approval in the upcoming SPGC meeting.

I propose the following course code: **"MBA644"** (10 credit): Cyber Security and Privacy for Managers

Best regards,

Subhankar Mukherjee
DPGC Convenor
Department of Management Sciences
IIT Kanpur

-------- Original Message --------

Subject: Proposal for a new course (DoMS)
   Date: 2025-01-31 14:49
   From: DPGC DoMS <dpgc_doms@iitk.ac.in>
      To: Acadstaff <acadstaff@lists.iitk.ac.in>

Dear all,

Please find the link for the proposal for a new course by Dr. Sourya Joyee De from the Department of Management Sciences:

Cyber Security and Privacy for Managers: https://iitk.ac.in/doaa/data/NewCourses/Course-proposal-MBAXXX-Cyber-Security-and-Privacy-for-Managers.pdf

Please share your feedback/comments, if any, by 22 February 2025 to Dr. Sourya Joyee De (sourya@iitk.ac.in) with a copy to the DPGC Convenor (dpgc_doms@iitk.ac.in).

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approved
Sudh
02/03/25

Best regards,

Subhankar Mukherjee
DPGC Convenor
Department of Management Sciences
IIT Kanpur

No. A(P)/IITK/course approval/
March 25, 2025

The Convener, DPGC
Departments of **DOMS/MTH/SEE**
IIT Kanpur

I am directed to communicate the concurrence of the SPGC (2024-25) in its 6th meeting held on 27/02/2025 for the approval of new/modification PG course proposal. After detailed discussion the following courses were approved.

Course No	Title	Credits	Instructor	SPGC Decision
DMS613	Introduction to Mathematical Finance	3-0-0-0-[9]	Dr. Sourav Majumdar	Approved
MBA644	Cyber Security and Privacy for Managers	3-0-0-1-[10]	Dr. Sourya Joyee De	Approved
MBA788M	Monte Carlo Methods in Finance	3-0-0-1-[5]	Dr. Sourav Majumdar	Approved
MBA789M	Management Sciences	3-0-0-1-[5]	Dr. Harshal Rajan Mulay	Approved
MBA790M	Private Equity, Venture Capital and other Alternative Assets	3-0-0-1-[5]	Dr. Harshal Rajan Mulay	Approved
MTH619	Representation theory of quivers	3-0-0-0-[9]	Dr. Amit Kuber	Approved
SEE627	Electric Mobility [Modification]	3-0-0-2-[11]	Dr. Amarendra Edpuganti	Approved

Joint/Assistant Registrar
Academic Affairs

CC: OARS (DOAA Office) For necessary action

MINUTES
FOR THE 6th MEETING OF THE SENATE POSTGRADUATE COMMITTEE (2024-25) HELD
ON February 27, 2025 (Thursday) AT 11:00 AM
CONFERENCE ROOM (208), ACADEMIC AFFAIRS BUILDING

Members Present: Prof(s): D. Chaitanya Kumar Rao on behalf P M Mohite (AE), Suresh Kumar (BSBE), Basker Sundararaju (CHM), Ark Verma (CGS), Gourabananda Pahar (CE), Soumik Das on behalf of Dipin S Pillai (CHE), J Ramkumar (DES), Sukumar Vellakkal (ECO), Imon Mondal (EE), Animesh Mandal (ES), Rajarshi Sengupta (HSS), Subhankar Mukherjee (DoMS), Anikesh Pal (ME), Sudhanshu S Singh (MSE), Pritam Chakraborty (MSP), Sudhanshu Shekhar (MATH), Sagar Chakrabarty (PHY), Kunal P Mooley (SPASE), Prabodh Bajpal (SEE)

Members Absent: Prof(s), Piyush Rai (CSE), Pankaj Wahi (NET), Sapam Ranjita Chanu (PSE)

Senate Nominee : Prof. Abheejeet Mohapatra

Student representatives: Saurabh Sona Lahamate (231250121

(A) Ratification of minutes of 5th SPGC meeting held on January 24, 2025

No comments were received. Minutes is confirmed

(B) Item requiring SPGC Approval

a) New course approval

Course No	Title	Credits	Instructor	SPGC Decision
DMS613	Introduction to Mathematical Finance	3-0-0-0-[9]	Dr. Sourav Majumdar	Approved
MBA644	Cyber Security and Privacy for Managers	3-0-0-1-[10]	Dr. Sourya Joyee De	Approved
MBA788M	Monte Carlo Methods in Finance	3-0-0-1-[5]	Dr. Sourav Majumdar	Approved
MBA789M	Management Sciences	3-0-0-1-[5]	Dr. Harshal Rajan Mulay	Approved
MBA790M	Private Equity, Venture Capital and other Alternative Assets	3-0-0-1-[5]	Dr. Harshal Rajan Mulay	Approved
MTH619	Representation theory of quivers	3-0-0-0-[9]	Dr. Amit Kuber	Approved
SEE627	Electric Mobility [Modification]	3-0-0-2-[11]	Dr. Amarendra Edpuganti	Approved

b) Termination under 5.7

S. No	Roll No	Name	Dept.	Prog.	Supervisor & DPGC Recommendation	SPGC Decision
1.	241250026	Jatin Chaudhary	DOMS	MBA	Recommended	Approved to be reported to Senate
2.	241010003	Adhikari Thakur Prasad Das	AE	MTech	Recommended	Approved to be reported to Senate

c) Full Time to Part-Time

S. No	Roll No	Name	Dept	Prog	Supervisor and DPGC Recommendation	Remark	SPGC Decision
1.	231040115	Swati Gupta	EE	MTech	Recommended	CU=78 TU=54 CPI=9.38 NOC - attached	Approved
2.	231040036	Bingi Poojari Venkatesh	EE	MTech	Recommended	CU=78 TU=54 CPI=9.38 NOC - attached	Approved