INDIAN INSTITUTE OF MANAGEMENT CALCUTTA

DIGITAL OPERATIONS AND TECHNOLOGY

Programme Directors: Prof. Peeyush Mehta & Prof. Uttam Kumar Sarkar

Programme Dates: November 18 - 22, 2024

Programme Venue: MDC, IIM Calcutta

INTRODUCTION

In uncertain environments, business enterprises strive to match supply with demand using innovative products, processes, and business models. In recent times, advances in digital technologies like additive manufacturing, platforms, blockchains, machine intelligence, Internet-of-things have significantly impacted products, processes, and business models. This programme provides an overview of the digital technologies and their interface with operations management. The programme content is supplemented by industry-relevant case studies and case examples.

LEARNING OUTCOMES

- Understanding the concepts of digital operations management and its impact on the business models
- Value creation through digital technologies and capabilities and delivering operational excellence
- Enhancing competitiveness through digital ecosystem of products and processes

PEDAGOGY

This programme will use a variety of pedagogical tools– lectures, cases, presentations.
Select faculty from IIMC, IITs and industry would take the sesisons.

WHO MAY ATTEND

The programme is relevant for middle to senior level executives in operations and supply chain & allied areas, and CTOs with a strategic mindset to leverage technology for business model transformation.

KEY TOPICS

Digital Operations Strategy
- Emerging technologies and business models for supply chains
- Enablers of digital operations: people, process, and technology.
- Advanced technologies: additive manufacturing, blockchains, industrial machine intelligence, industrial internet of things (IIoT), and platforms.

Enabling Technologies for Digital Operations
- Data technologies. Analytics technologies. Platform technologies.
- Data infrastructure for data collection and analysis.
- Operational data to operational intelligence.

Digital Transformation and Business Models
- Digital operations for AI and Machine Learning Technology and related applications.
- Applications in Inventory optimization, Supply chain coordination.

PROGRAMME DIRECTORS

Prof. Peeyush Mehta has been with the Operations Management Group of Indian Institute of Management Calcutta since 2012. During 2005–2011, he was a faculty in the Department of Industrial & Management Engineering at the Indian Institute of Technology Kanpur. He obtained his doctoral degree from Indian Institute of Management Ahmedabad. He worked as a Post-Doctoral Research fellow at the Nanyang Technological University, Singapore. After obtaining his Bachelors of Engineering in Mechanical from Jodhpur University, he worked in industry for three years in Power sector operations. Peeyush's research interests are in the areas of operations strategy, supply chain coordination, supply contracts, manufacturing competitiveness, and game theory applications in operations. His research has appeared in a number of acclaimed international journals. At IIM Calcutta, he teaches courses on production and operations management, supply chain management, manufacturing management. He has taught in several executive programmes for wide variety of firms in the areas of operational excellence, strategic sourcing, vendor development, service operations and supply chain management. He can be reached by email at **pmehta@iimcal.ac.in.**

Prof. Uttam Kumar Sarkar has been with the Management Information Systems Group of the Institute since 1997. He had earlier worked in multinational software firms, as a faculty at I.I.T. Delhi, and as a faculty at the University of Miami, Florida, USA. He is a B.Tech, M.Tech, and Ph.D in Computer Science and Engineering from I.I.T. Kharagpur. His current teaching and research interests include Business Data Mining, Social Networking Analysis, and Sponsored search market behaviour. He has published his research in leading international journals and conference proceedings. He can be reached by email at **uttam@iimcal.ac.in.**

PROGRAMME DETAILS

- ☐ **Programme Commencement:** 9:00 AM on November 18, 2024

- ☐ **Programme Conclusion:** 2:00 PM on November 22, 2024

- ☐ **Accommodation:** For Residential participants, on single occupancy

  - **Check-in:** November 17, 2024 (6:00 PM onward)

  - **Check-out:** November 22, 2024 (2:00 PM)

PROGRAMME FEES

- ☐ **Residential (R):** ₹ 1,30,000/- plus taxes and surcharges as applicable.

- ☐ **Non-Residential (NR):** ₹ 1,20,000/- plus taxes and surcharges as applicable.

We would strongly encourage candidates to enroll as Residential participants, as the experience of an MDP is optimized in a full-immersion mode.

Discount on Programme fees:

A discount of 10% on the Programme fees can be availed by an organization if it nominates at least 4 participants for a particular MDP.

TERMS & CONDITIONS

- Participants would have to make their own travel arrangements.

- Accommodation at IIM Calcutta will be provided till 2:00 PM on the last day of the Programme. Participants who may wish to stay beyond this time will have to check with the CMDP Office for room availability, and associated charges. IIM Calcutta does not provide any family accommodation.

- Cancellation Policy: In case you/your nominated candidate(s) does(do) not attend the programme, 40% of the programme fees will be retained, as per policy.

- Executive Education Alumni: With effect from April 01, 2017, participants of IIM Calcutta's 'Open' MDPs who attend 20 days of learning through two or more Open MDPs will be eligible to apply for 'Executive Education Alumni of IIM Calcutta' status.

HOW TO APPLY

- You can apply/nominate your personnel by clicking on the "Apply Now" link corresponding to the particular MDP, as appearing on our online calendar available at: https://iimcal.ac.in/mdp/mdp-calendar
- Once the candidature(s) is (are) approved, the sponsoring authority or participant (in case of self-nomination) will be intimated over email along with a Proforma Invoice seeking programme fees in advance.
- Programme fees can be remitted online through Electronic Fund Transfer (NEFT/RTGS).
- Upon remitting the fees online, kindly intimate CMDP office with the UTRNo. /relevant transaction details through email, so that we can connect your remittance to your nomination(s). Please note that confirmation of participation is subject to receipt of Programme fees by CMDP Office before commencement of the MDP.

IIM CALCUTTA'S ACCREDITATIONS AND RANKINGS

- Triple accreditations by AACSB (Association to Advance Collegiate Schools of Business), AMBA (Association of MBAs) & EQUIS.
- IIM Calcutta is the only B school in India to be a member of CEMS, a global alliance of leading business schools, multinational companies and NGOs
- IIM Calcutta's MBA programme has been ranked 60th and MBA-Ex programme 76th in Financial Times Global rankings, 2023. In Domestic rankings, the Institute has secured 1st position in both BT-MDRA and Fortune India Best B-School Survey 2023

For all other details on administrative matters please refer to the 'Guidelines for Participants' on our website or e-mail to program_mdp@iimcal.ac.in