



INDIAN INSTITUTE OF MANAGEMENT CALCUTTA



DIGITAL OPERATIONS AND TECHNOLOGY



Programme Director:
Prof. Peeyush Mehta



Programme Dates:
November 27 - December 01, 2023



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 program provides an overview of the digital technologies and their interface with operations management. The program 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 sessions.



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

Operations Management Paradigms

- What is “new” in operations and supply chain management?
- Emerging technologies and business models for operations management.

Digital Operations Strategy

- Enablers of digital operations: people, process, and technology.
- Advanced technologies: additive manufacturing, blockchains, industrial machine intelligence, industrial internet of things (IIoT), and platforms.
- Role of hardware and software for digital operations.

Enabling Technologies for Digital Operations

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

Digital Operations and Business Models

- Digital operations for mass customisation of repetitive manufacturing (make-to-stock) and automating complex manufacturing (make-to-order).
- Business models: servitization of products (PaaS) and manufacturing (MaaS).

Implications for Decision Models

- Inventory optimization. Supply chain coordination.
- Supplier relationship and strategic sourcing. Mitigating COVID-19 operational risks.



PROGRAMME DIRECTORS

Peeyush Mehta is a Professor of Operations Management at 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 programs for wide variety of firms in the areas of operational excellence, strategic sourcing, vendor development, service operations and supply chain management.



PROGRAMME DETAILS

- **Duration:** November 27 - December 01, 2023
- **Programme Commencement:** 9:00 AM on November 27, 2023
- **Programme Conclusion:** 2:00 PM on December 01, 2023
- **Venue:** Management Development Centre (MDC), IIM C Campus
- **Accommodation:** For Residential participants
 - **Check in:** November 26, 2023 (6:00 pm onward)
 - **Check out:** December 01, 2023 (2:00 pm)

PROGRAMME FEES

- **Residential (R):** ₹ 125,000/- plus taxes and surcharges as applicable.
- **Non-Residential (NR):** ₹ 115,000/- 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 C will be provided till 2.00 p.m. on the last day of the Programme. Participants staying beyond this time will have to bear additional stay and food charges, which they have to settle directly with the hospitality service provider, conditional upon room availability.
- 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 1, 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 the Payment Advice 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) and 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 has been ranked 2nd in India and 59th globally in ‘Open-enrolment Programmes’ category in the Financial Times Executive Education Ranking 2022. The Institute has secured 76th rank in Financial Times Global MBA Ranking 2023 and 1st in BT-MDRA Best B-School Survey 2022



Our correspondence address is as follows:

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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