

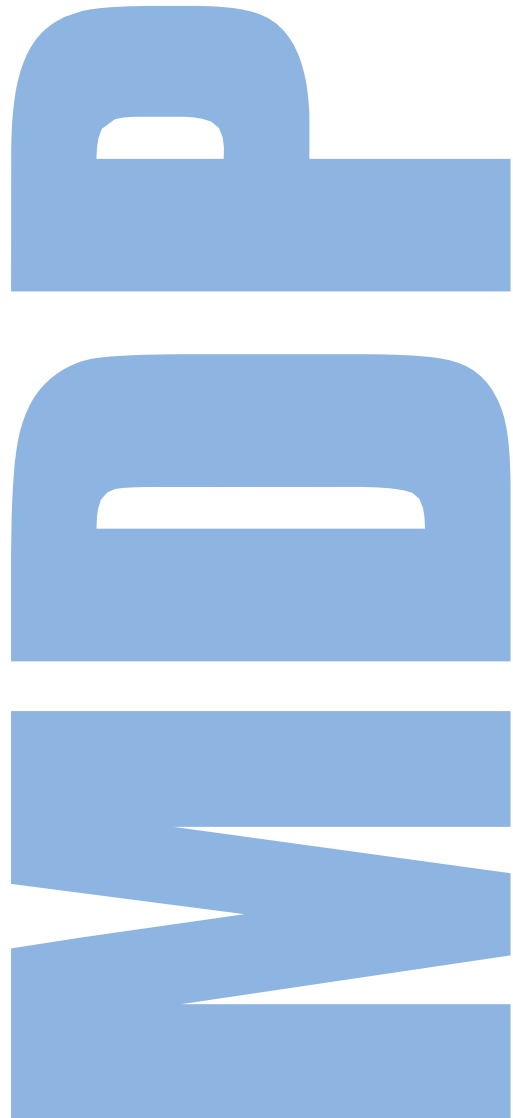


Management Development Programme

IIM Raipur

Industry 4.0: Management and Execution

29 November - 1 December 2024



Programme Directors

Dr. Mohit Goswami,
Dr. Gopal Kumar
Dr. Ramkumar M.

Indian Institute of Management Raipur

Industry 4.0

Overview

Adopting Industry 4.0 is not just a matter of preference; it is a strategic need for companies looking to prosper in the cut-throat, global marketplace of today. As technology develops at an accelerated pace, businesses that want to remain robust and relevant must adopt Industry 4.0. Increased production, cost optimization, and operational efficiency are just a few advantages of this paradigm change. By using intelligent technologies such as automation, artificial intelligence, and the Internet of Things, businesses may minimize downtime, optimize workflows, and make informed decisions based on data. Furthermore, Industry 4.0 makes it easier to create flexible and agile production processes, which enables companies to quickly adjust to shifting consumer tastes and market demands. Businesses who invest in this revolutionary strategy not only future proof their business but also unlock new avenues for innovation, customer engagement, and sustainable growth. Embracing Industry 4.0 is not just a need; it's a strategic imperative for organizations aspiring to thrive in the ever-evolving landscape of the modern industrial era.

Objectives

The program objectives are:

- To enable managers to understand and appreciate the premises, fundamentals, and impact of Industry 4.0 adoption
- To help managers visualize the integration of Industry 4.0 vis-à-vis legacy systems
- To help managers develop an understanding of the way Industry 4.0 can help make operations and supply chain sustainable and understand interaction of Industry 4.0 in a project environment

Following indicative sessions are planned to be covered in the 3-day MDP program.

Industry 4.0, Artificial Intelligence fundamentals, Machine learning Fundamentals, Industry 4.0 & ERP, Digital Transformation of value-chains, Managing Sustainability in Industry 4.0, Industry 4.0 in Project Environment

For Whom

The program is designed with a focus on middle and senior level managers who might be heading a group, department, work unit, or organization.

Pedagogy

The program pedagogy will include various methods of training such as lectures, discussions, exercises, assessment instruments, and role plays.

Faculty

All sessions in this program will be handled by faculties from the operations and information systems area.

Duration and Venue

The Programme is scheduled during the following dates in 2024-25 at IIM Raipur, Atal Nagar, New Raipur.

In 2024: (29th November to 1st December)

In 2025: (17th January to 19th January)

Last date

The last date for receipt of nominations for the Programme **Two weeks before the commencement of the program, and the last date of withdrawal is one week before the commencement of the program.** Any withdrawal request received after this date will be subject to deductions as per the Institute's rules. In case of subsequent withdrawal or cancellation of nomination(s), no refund of fee will be allowed. However, substitute may be permitted with prior intimation.

Registration Fee

The registration fee per participant is Rs. 10000/- per day plus taxes as applicable. This includes academic fee, programme kit for participants, boarding and lodging (on twin sharing basis). Payment can be made online by registering.....

Upon remitting the fees online, kindly intimate the MDP Office with the UTR No /Relevant transaction details through email, so that we can connect your remittance to your nomination(s)

Enquiry

For any information regarding this programme, you may contact as below:

EE&C Office: eldc_office@iimraipur.ac.in Ph: 0771-2474688, 697

Programme Directors



Dr. Mohit Goswami is a unique amalgam of academics and industry. Prof. Goswami prior to joining academia was associated with global blue-chip firms including Caterpillar Inc. (Decatur, Illinois, USA), Tata Motors Ltd. (Pune and Jamshedpur) and Tata Hitachi Construction Machinery Co. Ltd. (Jamshedpur) in various engineering and technology management roles. At IIM Raipur, he teaches courses both at MBA and PhD programs. His research interests include new product development, supply chain design, product line management, risk modeling in supply chain. His research has been published in reputed journals as IEEE Transactions in Engineering Management, International Journal of Production Research, Technological Forecasting and Social Change, Journal of Intelligent Manufacturing, International Journal of Advanced Manufacturing Technology. He is one of the select few individuals whose PhD at IIT Kharagpur got awarded in around 2 years 6 months' time. He is currently heading Admissions area at IIM Raipur. Previously he had also led the working executive PGP program at IIM Raipur and online executive education.



Dr. Gopal Kumar is Associate Professor of Operations Management at the IIM Raipur. He received his PhD in supply chain collaboration from the IIT Kharagpur and M. Tech. in Industrial Engineering & Management from IIT Kharagpur. He carried postdoctoral research at Dublin City University (DCU), Ireland. He has shop floor industrial experience in improving operations and process flow. He worked on facilitating easy access of advanced predictive modelling for improving productivity of SMEs in Europe in collaboration with various European SMEs—Ceramicx Ireland, Vistakon, ICMR—and University of Edinburgh, UK. Based on open-source philosophy, he developed a commercial tool, for European Union, which largely streamlined the expertise and time required for predictive modelling along with process optimization. He also has experience in ERP and Forecasting Module development. He has good experience in deploying various W3C standards for making operations smooth. His research articles are published in various prestigious peer reviewed journals. He presented his research work at several globally recognized Operations and Supply Chain Management forum. His primary research interests include supply chain collaboration, sustainable and green supply chain collaboration, sourcing, product-service systems, big data analytics, business process automation, and information technology application in improving and optimizing operations of SMEs.



Dr. Ramkumar M. is currently working as an Assistant Professor in the Department of Operations Management at Indian Institute of Management Raipur. Prior to this, starting December 2019, Ramkumar was a Postdoctoral Researcher at the Chair of Logistics Management at the Swiss Federal Institute of Technology Zurich, Switzerland. Previously, he was with the Institute for Financial Management & Research as an Assistant Professor. He received his B.E. in Production Engineering from Anna University, Chennai (2007), Postgraduate Diploma in Management from SCMS, Cochin (2009), and Ph.D from the

Department of Industrial & Systems Engineering, Indian Institute of Technology Kharagpur (2015). His research is interdisciplinary and lies on the interface between operations management and information systems, and encompasses supply chain technologies, supply chain sustainability, and humanitarian operations. His research has been published in international journals such as Service Science (INFORMS), International Journal of Production Economics, International Journal of Production Research, Production Planning & Control, Annals of Operations Research, Computers & Industrial Engineering, IEEE Systems Journal and other peer reviewed journals.

Indian Institute of Management Raipur

Understanding the needs to meet the emerging challenges at global level and cherishing the successful history of IIMs, the Government of India set up Indian Institute of Management, Raipur in the year 2010 in Chhattisgarh, one of the youngest and fastest growing states of India.

IIM Raipur has been set up with the aim “To Empower the youth for building a Powerful India”. IIM Raipur has set high standards by focusing on a practice-oriented learning approach and a contemporary industry- focused curriculum, driven by strong corporate interface. IIM Raipur is functioning from the state-of-the-art campus in Naya Raipur spread across 200 acres. IIM Raipur currently offers Fellow Programme in Management (FPM), Post Graduate Programme in Management (PGP), Post-Graduate Programme in Management for Working Executive (PGPMWE) and Executive Education Programmes consist of Management Development Programmes (MDP), Tailor made (In- Company Programmes), Open Programs and Consultancy for Corporates, Public Sector & Government. The academic curriculum is structured to address the needs of the industry and is aligned towards imparting contemporary knowledge to the students and strengthening their skills to prepare them to face the challenges of the global business. Recently, IIM Raipur joined the hands with three most reputed global business schools, to enhance the overseas exposure of its students with the belief that it will help them to assimilate best management practices and understand the importance of cross-culture issues in management. Right from its

inception the institutes focus on contributing to the growth and development of the Nation, region and society at large. As such it gives importance to courses and managerial trainings that are molded in a way true to the culture and unique requirements of the state and organizations herein. Ethical practices in management, grooming socially responsible leaders for today and tomorrow are also the primary goals of the Institute.

LOCATION

Indian Institute of Management Raipur is situated at Vill- Pota Cheria, Atal Nagar, Raipur. The approximate distance from Railway station to IIM Raipur is 35 km.

For any Correspondence / Administrative enquiries, please feel free to contact below:EL&D Office:

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