



Management Development Program On Industry 4.0: Management and Execution 17-19 January 2025

Program Directors
Dr. Mohit Goswami
Dr. Gopal Kumar
Dr. Ramkumar M.

Introduction (Program)

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-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

The 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 co-facilitated by the Program Directors along with the subject matter experts.

Duration and Venue

The program is scheduled for **17-19 January 2025** at IIM Raipur, Atal Nagar, New Raipur.

Registration Fee

The registration fee per participant is **Rs. 6,000/- + 2500/-** per day plus taxes as applicable (**on twin sharing basis**). Registration fees per participant will be **Rs. 6,000/- + 4500/-** per day plus taxes as applicable on **Single sharing basis**.

This includes academic fee, program kits for participants, boarding and lodging.

Payment can be made online by registering through the website.

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

Last date

The last date for receipt of nominations for the Program is Two week before the commencement of

program and the last date of withdrawal is one week before the commencement of program. Any withdrawal request received after this duration 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 substitutes may be permitted with prior intimation.

About Program Director



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, and risk modeling in the supply chain. His research has been published in reputable Transactions in Engineering Management, International Journal of Product research Technological Forecasting and Social Change, Journal of Intelligent Manufacturing, International Journal of Advanced Manufacturing Technology. He is one of the selected individuals whose PhD at IIT Kharagpur got awarded in around 2 years 6 months' time. He is currently heading the 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 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 the 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 forums. 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

The Indian Institute of Management (IIM) brand has now become synonymous with innovation, talent, and zeal for success and contribution to management. The Government of India set up IIM Raipur in 2010 to meet the growing demand for top-quality professionals. It is situated at Raipur in the state of Chhattisgarh-one of the fastest growing states of India, with its rich mineral, forest, natural and local resources. The Post-Graduate Program in Management (PGP) was started in 2010, whereas Fellow Program in Management (FPM) & Executive Fellow Program in Management (EFPM) was started in 2013. Executive Post-Graduate Program (ePGP) was started in 2021.

IIM Raipur has grown and improved in quality, as evidenced by the NIRF ranking of management institutes, which moves up from 18th in 2016 to **14th** in 2024.

IIM Raipur offers top-notch management education on its 200-acre, state-of-the-art well-equipped lecture rooms, a library, a simulation lab, and a pleasant lodging campus in Atal Nagar, Naya Raipur. With the goal of becoming a highly regarded business school worldwide, IIM Raipur has partnered with numerous business schools in Europe, South America, Australia, New Zealand, and the United States for faculty and student exchange Programs.

Location

The IIM Raipur campus is located about 20 minutes' drive from the Swami Vivekananda Airport, Raipur.

For any Correspondence / Administrative enquiries, please feel free to contact us:

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