

Digital Transformation Training Course for Management

Background

In the wake of a global pandemic that disrupted global supply chains and business operations through widespread lockdowns, the imperative for digital transformation became extremely evident. Companies who are unable to adopt digitalization fast enough during this period have suffered huge financial losses and or even face closed down of the businesses. While businesses capable of swiftly converting their processes to digital formats managed to sustain operations.

The pandemic has accelerated the adoption rate of digital transformation across industries. It is now crucial for management to grasp the fundamentals of Industry 4.0 and familiarize themselves with digital transformation technologies, tools, and strategies.

Trained personnel with the knowledge of Industry 4.0 and know-how digital transformation strategies, can kickstart their organization's digital transformation journey, ensuring resilience and competitiveness in an increasingly digital landscape. They would be able to identify, prioritize digital initiatives and address problems encountered. Armed with the essential knowledge, they would be able to initiate and navigate digital transformation within their organizations. Companies would experience smoother digital transformation processes, roll-out and implementation.

About the course	It is a one-day course with an intensive overview of Industry 4.0, focusing on key technologies and strategies for successful digital transformation in manufacturing industries. Participants will gain insights into the fundamentals of Industry 4.0, core technologies, and practical steps to kickstart (initiate, scale, and sustain) their digital transformation. The training is suitable for management/digital transformation program lead in the various manufacturing industries.
Who should take the course?	Empowering management or digital transformation program lead (e.g. HR, Finance, Operations, etc.) with the necessary skills and expertise to spearhead Industry 4.0 or Digital Transformation initiatives, enabling them to effectively kickstart the process of digitalization within their organizations.
Pre-requisites	<ul style="list-style-type: none"> ● Good English proficiency. ● Access to a stable internet connection for Zoom conference. ● A Laptop or Desktop for the training.

<p>Topics</p>	<ul style="list-style-type: none"> ● Welcome and Introduction ● Putting Digital Transformation strategy into actions – Start, Scale, Sustain ● Embracing Industry 4.0 <ul style="list-style-type: none"> ○ Industry 4.0 Fundamentals ○ Core Technology Overview ○ Digital Transformation in Manufacturing ○ Automation and Robotics in Industry 4.0 ● Implementing Industry 4.0 <ul style="list-style-type: none"> ○ Data Analytics and AI in Manufacturing ○ Connectivity and Communication ○ Cybersecurity in Industry 4.0 ● Towards Industry 5.0 ● Conclusion and Next Steps
<p>Learning Outcome</p>	<p>Upon completion of the Digital Transformation Training Course for Management, participants will:</p> <ul style="list-style-type: none"> ● Gain an understanding of what is Industry 4.0, the key principles, concepts and core technologies for current and future trends. ● Acquire knowledge of the tangible benefits and business value that Industry 4.0 can yield with its relevance and application in the industries. ● Recognize the different industry 4.0 applications, challenges and benefits, know when to use them and how they differ in approach and purpose. ● Develop skills and knowledge required to prioritize and or strategize a digital transformation initiative, implement and provide desirable / measurable outcomes. ● Knowing how to apply the Industry 4.0 key technologies, understanding the relevance and application to the industries. ● Be able to avoid pit holes / blind spots and recognize the true impact of digitalization and strategies (prioritization and rollout). ● Gain better insights on industrial application and allow them to put into

	<p>practice the knowledge and skills gained during this course with case studies reviews.</p> <p>Participants will receive a Certificate of Completion with Advico upon 100% attendance. This certificate is a proof of participant's up-to-date knowledge, continuous growth and understanding of the latest developments in Industry 4.0 and digital transformation strategy and implementation.</p>
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Upcoming Training Course Schedule and Details

Registration opens now.

1st Course Intake: 29 May 2024
SGT 09:00 – 17:00 hour

2nd Course Intake: 2 Jul 2024
Saudi Arabic Standard Time (SAST) 09:00 – 17:00 hour
GMT +3 hours 09:00 – 17:00 hour

Language: English
Duration: 1 day
Venue: Virtual Live

Curriculum

Time	Agenda
0900 - 0915	Welcome and Introduction
0915 - 0920	Course overview
0920 - 1015	<p>Session 1: Putting Digital Transformation strategy into actions – Start, Scale, Sustain</p> <ul style="list-style-type: none"> • Awareness of current situation (digital maturity) and how to prioritize digital transformation goal(s). • Create a digital transformation strategic roadmap with KPIs in place. • Showcase of relevant applications and case studies
1015 - 1030	Break
1030 - 1200	Embracing Industry 4.0

	<p>Session 2: Industry 4.0 Fundamentals</p> <ul style="list-style-type: none"> • Overview of Industry 4.0 and its significance • Historical context of industrial revolutions • Key drivers for Industry 4.0 adoption <p>Session 3: Core Technology Overview</p> <ul style="list-style-type: none"> • Internet of Things (IoT) and its role • Big data analytics and its impact • Cloud computing and edge computing • Introduction to cyber-physical systems (CPS) • Emerging technologies • Digital Twin <p>Session 4: Digital Transformation in Manufacturing</p> <ul style="list-style-type: none"> • How Industry 4.0 is reshaping manufacturing processes • Case studies of successful digital transformations • Benefits and challenges of adopting Industry 4.0 <p>Session 5: Automation and Robotics in Industry 4.0</p> <ul style="list-style-type: none"> • Types of automation technologies • Application of robotics in manufacturing • Human-robot collaboration
1200 - 1300	Lunch
1300 - 1500	<p>Implementing Industry 4.0</p> <p>Session 6: Data Analytics and AI in Manufacturing</p> <ul style="list-style-type: none"> • Machine learning and AI Applications

	<ul style="list-style-type: none"> • Predictive maintenance and quality control • Real-world AI applications <p>Session 7: Connectivity and Communication</p> <ul style="list-style-type: none"> • Role of 5G technology • Overview of industrial communication protocols • Securing IoT and Industry 4.0 systems <p>Session 8: Cybersecurity in Industry 4.0</p> <ul style="list-style-type: none"> • Understanding cyber threats and vulnerabilities • Best practices for securing systems • Governance, compliance, and regulations in digital domains
1500 - 1515	Break
1515 - 1600	<p>Session 9: Towards Industry 5.0</p> <ul style="list-style-type: none"> • Sustainability in manufacturing • Human Touch / Human Experience • AI and Cognitive computing
1615 - 1700	<p>Session 10: Conclusion and Next Steps</p> <ul style="list-style-type: none"> • Recap of key takeaways • Strategy – know where the status, challenges, and to set KPI and formulate roadmap • What's next for Industry 4.0 adoption

About the Trainer



Damien is a Certified Smart Industry Readiness Index (SIRI) Assessor/Trainer and Digital Transformation Consultant, specializing in Industry 4.0 solutions. With extensive experience in Supplier Quality Management and Engineering internationally and across diverse sectors like advanced manufacturing, food & beverage, healthcare, pharmaceuticals, medical devices and oil and gas, he excels in implementing innovative digital solutions for growth. Damien is an expert in ISO 9001, Lean Manufacturing, Change Management, and Risk Management, facilitating training at all levels. He is skilled in Supplier Development, fostering quality optimization and process improvements. Known for his adeptness in Root Cause Analysis and coaching in FMEA/PFMEA, Damien efficiently diagnoses manufacturing operations, implementing quality improvements and cost reduction systems. He collaborates with C-Suite Executives, utilizing SIRI framework for transformative insights into Industry 4.0 adoption. Damien globally trains professionals from government and private sectors in Certified SIRI Assessor Training, aiding companies in sustainable growth and competitive market positioning.

Notes:

Customized In-House Training:

Advico specializes in creating customized training programs that align to your organization's unique requirements. Our expert trainers can enhance your staff's knowledge and skills specific to your operations, helping to build awareness, people competency building, enhance and transform company culture in your digital transformation journey for desirable results.

For more information and to discuss your requirements, please contact Ms. **Alice Neo** at alice.neoyayuan@advicosg.com.