



PROJECT NOTIFICATION

Reference No.: 332

Date of Issue	13 March 2024
Project Code	24-CP-04-GE-DLN-A
Title	APO e-Course on Managing Disruptive Technologies
Timing	29 November 2024
Hosting Country(ies)	APO Secretariat
Venue City(ies)	Not Applicable
Modality	Digital Learning
Implementing Organization(s)	APO Secretariat
Participating Country(ies)	Open
Overseas Participants	Not Applicable
Local Participants	Not Applicable
Closing Date	Not Applicable
Remarks	Timing is the launch date of the e-course.

Objectives	Learn about the utilization of disruptive technologies and their management in the manufacturing sector; understand the value, business models, and areas of disruptive technologies across different sectors; and improve the performance and productivity of manufacturing value chains through effective management in adopting disruptive technologies at the organizational level.
Rationale	The introduction of disruptive technologies has significantly altered the manufacturing landscape. These digital technologies provide companies with tools for innovation, while also offering individuals new avenues for economic interaction. To fully leverage the potential of technological advances and effectively navigate their complexities, effective management is essential.
Background	<p>Over the past decade, advanced industrial companies have significantly enhanced productivity across manufacturing value chains. Disruptive technologies such as the Industrial Internet of Things (IIoT), AI, machine learning, advanced automation, robotics, and additive manufacturing are used to drive performance.</p> <p>However, integrating these disruptive technologies requires a corresponding shift in management practices, which poses challenges for many organizations, requiring infrastructure to manage people, processes, and systems to support uninterrupted production. These technologies fundamentally alter operations and how companies approach business models and customer expectations, including demands for lower-cost services and mobile-friendly applications.</p> <p>The APO has offered capacity-building initiatives in response to the challenges of disruptive technologies in recent years. This e-course is another effort to enhance the management of disruptive technologies in the manufacturing sector.</p>
Topics	Overview of disruptive technologies in manufacturing; Fundamentals of managing disruptive technologies; Roles of people, processes, and systems in disruptive technologies; Challenges of disruptive technology implementation; and Case studies of successful management of disruptive technologies at the organizational level.
Outcome	Knowledge of the value and business models of disruptive technologies is enhanced and technical expertise and skills required for managing disruptive technologies in manufacturing organizations are acquired.
Qualifications	Open to all participants in APO members and nonmembers.

Please refer to the implementation procedures circulated with this document for further details.



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