PROJECT NOTIFICATION

Reference No.: 98

Date of Issue	11 April 2023
Project Code	23-CP-27-GE-TRC-A
Title	Training Course on Smart Manufacturing Productivity Specialists
Timing	21 August 2023–25 August 2023
Hosting Country(ies)	Republic of China
Venue City(ies)	Taipei
Modality	Face-to-face
Implementing Organization(s)	China Productivity Center
Participating Country(ies)	All Members
Overseas Participants	19
Local Participants	6
Closing Date	22 June 2023
Remarks	Not Applicable

Objectives	Enhance the capability of productivity practitioners in providing consultancy and training on smart manufacturing (SM); discuss key technologies in SM; share productivity enhancement tools and techniques for SM; and examine applications of SM in SMEs.
Rationale	The establishment of the Center of Excellence (COE) on SM was a commitment by the APO to provide leadership in industry upgrading among members, identify the best smart technology and automation options, and improve production efficiency. As the pandemic accelerated industrial transformation, the need to build SM capacity has increased.
Background	SM refers to the integration of advanced technologies and data analytics into manufacturing to optimize productivity, efficiency, and quality. An APO assessment of SM in 2020 found that the industrial structures of most members posed challenges for the transition to Industry 4.0. It is hard for MSMEs to define the starting point for the SM transformation. Combined efforts by governments and companies are thus needed to achieve digital transformation. One strategy is to build the capacity of experts and professionals who can provide assistance and guidance to industry. The APO has conducted numerous capacity-building projects for productivity specialists. Since digitalization is becoming a priority for industry, this project is the latest initiative to expand the role of productivity specialists by equipping them with knowledge of SM. With the support of the COE on SM in the ROC, this course will be the starting point for the APO to develop more specialists in both productivity and digitalization.
Topics	SM concept and approaches; overview of technologies involved in SM; data management and analytics; implementation strategies; smart factory design; conventional vs. digital productivity solutions; case studies; and observational site visit.
Outcome	With enhanced understanding of SM, technologies, and implementation strategies in industry, trained participants will be able to promote SM and provide guidance for SMEs in developing plans for digital transformation.
Qualifications	SME owners or senior managers, professionals in SME development agencies, or NPO staff involved in developing and promoting digital transformation plans for industry.

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

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Secretary-General