



PROJECT NOTIFICATION

Reference No.: 383

Date of Issue	22 April 2024
Project Code	24-CP-52-GE-TRC-A
Title	Training Course on Smart Manufacturing Specialists
Timing	26 August 2024–30 August 2024
Hosting Country(ies)	Republic of China
Venue City(ies)	Taichung
Modality	Face-to-face
Implementing Organization(s)	China Productivity Center
Participating Country(ies)	All Member Countries
Overseas Participants	19
Local Participants	6
Closing Date	26 June 2024
Remarks	Not Applicable

Objectives	Enhance the capability of productivity practitioners in providing consultancy and training in guiding SMEs toward digital transformation; provide hands-on learning on data analytics and programming; and examine key technologies in smart manufacturing (SM) for SMEs.
Rationale	The APO established the Center of Excellence (COE) on SM to assist member economies in upgrading industries by introducing smart, automated processes. It also enhances knowledge of SM as a new way to improve productivity. To ensure that companies are provided proper guidance in SM, experts and specialists need to be developed within member economies.
Background	<p>SM integrates cutting-edge technologies such as the IoT, AI, robotics, data analytics, and cloud computing to optimize processes, enhance productivity, and improve decision-making in manufacturing environments. In response to the rapidly evolving manufacturing landscape driven by technological advances, the APO and China Productivity Center established the COE on SM in 2019. In 2022, the APO and COE on SM published a National Implementation Framework on SM. Among the framework elements are planning and developing a roadmap for SM adoption, cultivation of talent, and current workforce upskilling through education and training.</p> <p>The APO introduced a training course on SM specialists last year to expand the role of existing productivity specialists by equipping them with SM knowledge. In 2024, the APO and COE on SM continue this effort with improvements to help SM specialists play pivotal roles in implementing and managing SM systems to ensure operational efficiency, quality improvement, and competitiveness in global markets.</p>
Topics	SM concept and approaches; SM technology overview; Data management and analytics; Implementation strategies; Smart factory design; Conventional vs. digital productivity solutions; and Case studies.
Outcome	With enhanced understanding of SM technologies and implementation strategies in industry, trained participants will 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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