



PROJECT IMPLEMENTATION PLAN

Reference No.: 624

Date of Issue	2 June 2025
Project Code	25-RC-04-GE-COE-C-TW01
Title	Training of Trainers on Smart Manufacturing for SMEs
Timing	5 August 2025–8 August 2025
Hosting Country(ies)	Republic of China
Venue City(ies)	Taichung
Modality	Face-to-face
Implementing Organization(s)	China Productivity Center and APO Secretariat
Participating Country(ies)	India
Overseas Participants	21
Local Participants	Not Applicable
Closing Date	17 June 2025
Remarks	This program entails a face-to-face training of trainers initiative tailored for officers responsible for managing smart manufacturing (SM) initiatives within the National Productivity Council (NPC), India, and selected managers and senior engineers from companies that are members of the Automotive Component Manufacturers Association (ACMA) of India.

Objectives	Utilizing the APO COE Program to support the NPC, India and ACMA of India by facilitating knowledge acquisition and exchanges of best practices in SM; deploy a specialized technical expert team from the COE on SM for training of trainers; equip NPC and ACMA officers and managers with the skills to train industry professionals and personnel in advanced SM concepts and practical applications; and enhance cooperation between the COE on SM and IT for Industry 4.0.
Rationale	As part of the 2025 strategic initiatives of the COE Program, a strong emphasis is placed on disseminating advanced practices and technologies developed by COE. The COE on SM serves as a leading institution for industry transformation across all APO member economies. Its role includes identifying innovative methodologies for the adoption of SM technologies and automation, thereby enhancing production efficiency and global competitiveness.
Background	<p>The NPC, India is the host of the COE on IT for Industry 4.0 aiming to support industries in APO members to become more competitive and productive in the global digital economy. Established in 1959, ACMA plays a vital role in policy advocacy, trade promotion, technology upgradation, and skill development in the automotive component sector. With over 850 members, ACMA contributes significantly to the growth of the sector, which plays a key role in India's manufacturing GDP and exports. The association also emphasizes sustainability, innovation, and the adoption of SM practices.</p> <p>As a follow-up activity to the multicountry training course on SM in the ROC in 2023, this consultation and ToT initiative was requested by the NPC and ACMA to enhance the competencies of NPC officers and ACMA members responsible for SM-related activities. By fostering expertise in advanced SM applications, participants will be empowered to serve as trainers who can effectively disseminate knowledge on emerging SM technologies and their strategic implementation within SMEs in India.</p>
Topics	SM and Industry 4.0; Big data and analytics for SMEs; Capturing and sending data to the cloud; Applying data analytics for business strategy and decision-making; IoT for SMEs; Programming and setup for wi-fi modules to connect to the IoT and temperature sensors; CPC SM experience; Use of AI in the automotive industry; Group work on formulating strategies/roadmaps for SM; and Case studies from company visits.
Outcome	NPC and ACMA officials received strategic assistance under the APO COE Program to facilitate learning and best practice adoption in SM; advanced competencies in SM are acquired, enabling them to serve as trainers for industry professionals and facilitate the integration of SM technologies within the sector; and cooperation and networking between the two COE are enhanced.
Qualifications	NPC managers and officers responsible for COE activities, and managers and senior-level engineers of ACMA members responsible for implementing and overseeing SM initiatives within the automotive component industry.

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

A handwritten signature in black ink, appearing to be 'Indra Pradana Singawinata', written in a cursive style.

Dr. Indra Pradana Singawinata
Secretary-General