Basic Knowledge and Skills on Electrical Servicing

Entity Overview

	Company name	Location
Representative (Training provider)	Toyota Motor Philippines School of Technology, Inc.	Laguna, Philippines
	Business overview	
	A non-stock, non-profit educational institution offering technical-vocational training.	
Partner organization	None	

Training Overview

Training site	Toyota Motor Philippines School of Technology
Project period	28th April 2026 – 31st January 2027
Training period	5 days (35hours) in total
Participation fee	7,500 PHP/person (1/2 will be subsidized)
Language	English
Target trainees	1. Automotive Technicians and Mechanics 2. Maintenance and Fleet Personnel 3. Engineering and Technical Support Personnel 4. Supervisors and managers
Training attributes	Training Field: GX, DX Course Type: Lecture Basic Knowledge: Not Required Applicable Industry: Automotive Industry Highlight of Training Benefit: **GX**: 74% CO_2 Reduction; **DX: 4**% Productivity Improvement

Contents of Training

The training covers essential systems on lighting, ignition, charging, and starting that help learners understand the importance of GX by showing how efficient combustion, proper electrical load management, and energy-saving lighting systems contribute to reduced emissions and better energy use. Knowledge of ignition timing, alternator regulation, and low-power lighting provides the foundation for maintaining cleaner and more efficient vehicle operation. The training also advances DX by introducing participants to modern electronically controlled automotive systems, including ignition sensors, IC regulators, automatic lighting sensors, digitally managed starter mechanisms, and use of advanced diagnostic platforms such as GTS+. These technologies illustrate how today's vehicles increasingly depend on digital signals, electronic controls, and automated processes, enabling learners to better understand the evolving requirements and challenges of digital transformation in automotive service. The use of digital training materials further supports sustainability by reducing reliance on printed resources. In addition, technicians utilize electronic repair manuals and online parts catalogues as essential references during vehicle diagnostics and repair, reinforcing the shift toward fully digital workflows. Through hands-on diagnostics like voltage checks, sensor-based evaluations, and electronic component testing shows how GX and DX can be achieved in practice. Participants learn to maintain system efficiency, troubleshoot digitally-controlled components, and apply electronic inspection techniques that align with digital modernization goals.

Expected Training Benefits

Participating companies will benefit from having technicians who are better trained in diagnosing and repairing basic vehicle electrical systems, enabling more accurate troubleshooting, reduced downtime, and lower maintenance costs. Improved employee competence strengthens the company's in-house capability to service wiring circuits, electrical components, sensors, relays, and charging or starting systems, resulting in safer and more reliable fleet operations. This reduces dependence on external electrical service providers and enhances overall productivity, efficiency, and long-term operational performance.

How to Apply for Training

Please contact via the email address below for the application.
Email address: info@tmptech.edu.ph