Basic Knowledge and Skills on Diesel Engine 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 lubrication, and electronic fuel injection (EFI) systems and how these systems work together to improve efficiency, reduce emissions, and support sustainable and digitally controlled operations. GX-related topics include efficient air intake and exhaust management, proper engine temperature control, reduce friction through effective lubrication, and optimized fuel combustion. These areas directly contribute to lower fuel consumption, reduced greenhouse gas emissions, extended engine life, and minimized environmental impact. Use of digital training materials further reinforces sustainability by reducing reliance on printed resources. DX is highlighted through the integration of sensors, ECUs, and advanced electronic control systems—especially in electronic fuel injection (EFI), intake and exhaust feedback control, and high-tech vehicle diagnostic platforms such as GTS+. These systems enable real-time data submission, analysis, and extraction through IoT connectivity. In addition, technicians use electronic repair manuals and online parts catalogues as essential references during vehicle diagnosis and repair. Through these tools, participants gain a deeper understanding of how real-time data, digital monitoring, and automated control systems replace traditional mechanical methods, resulting in improved accuracy, reliability, and overall vehicle performance. The program promotes energy-efficient operation, emission reduction, and data-driven maintenance practices, equipping participants with practical skills to support productivity improvement and digitally enabled transformation covers servicing the gasoline engine systems, including intake, exhaust, cooling,

Expected Training Benefits

Participating companies will benefit from having technicians who are better trained in diagnosing and repairing modern diesel engines, particularly those equipped with EFI and CRDI systems, enabling more accurate troubleshooting, reduced downtime, and lower maintenance costs. Improved employee competence strengthens the company's in-house capability to maintain high-pressure fuel systems, sensors, actuators, and turbocharging components, resulting in safer and more reliable fleet operations. This minimizes reliance on external 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