QUOTATION FOR DTDAUTO'S ADVANCED COURSES IN MALAYSIA

Note		Estimated cost for PGM-FI system Module (5 days of teaching and 3 days of setup)	Estimated cost for Smart key (3 days of setup)	Estimated cost for ABS system Module (2 days of teaching and 3 days of setup)
Content		**1 module (PGM-FI system)**	**1 system Module (3 days of teaching and module (Smart key system)**	**1 module (ABS system)**
PRICE	**Up to 20-30 students**	**Tuition fee:** 800.00 USD/student	**Tuition fee:** 900.00 USD/student	**Tuition fee:** 850.00 USD/student
	Up to 30-50 students	**Tuition fee:** 550.00 USD/student	**Tuition fee:** 600.00 USD/student	**Tuition fee:** 580.00 USD/student
Prices are inclusive of expenses for		*Teaching fee* (for 1 lecturer, 2 or 3 technicians), *transportation* (between Viet Nam and Malaysia and within Malaysia); Interpreters *accommodation* (8 days 7 nights in Malaysia); *meals' ; Shipping the goods for practice sessions Ha Noi - Kuala Lumpur - Ha Noi*	*Teaching fee* (for 1 lecturer, 2 or 3 technicians), *transportation* (between Viet Nam and Malaysia and within Malaysia); Interpreters , *accommodation* (6 days 5 nights in Malaysia); *meals; Shipping the goods for practice sessions Ha Noi - Kuala Lumpur - Ha Noi*	*Teaching fee* (for 1 lecturer, 2 or 3 technicians), *transportation* (between Viet Nam and Malaysia and within Malaysia); Interpreters , *accommodation* (5 days 4 nights in Malaysia); *meals; Shipping the goods for practice sessions Ha Noi - Kuala Lumpur - Ha Noi*
Prices are exclusive of expenses for		*Required venue and equipment:* + Classroom (at least 70-100 m2) + 5 motorcycles for practice sessions (Honda, Yamaha…) + 2 Microphones + 1 Projector + Others (water, certificates, backdrop, gifts for students….)	*Required venue and equipment:* + Classroom (at least 70-100 m2) + 5 motorcycles for practice sessions (Honda, Yamaha…) + 2 Microphones + 1 Projector + Others (water, certificates, backdrop, gifts for students….)	*Required venue and equipment:* + Classroom (at least 70-100 m2) + 5 motorcycles for practice sessions (Honda, Yamaha…) + 2 Microphones + 1 Projector + Others (water, certificates, backdrop, gifts for students….)
NOTE		- Required venue and equipment should be ready 2 days before the opening of the training course so that DTDAuto technicians can visit and check the preparation. - If the quantity exceeds 50 students, there will be a need for more DTDAuto technicians, thus more discussion on prices will be needed - Staffs of Distributor will be given 3 slots for free of charge - Distributor will have the exclusive rights to sell DTDAuto's products for the students		

TRAINING CONTENT FOR PGM-FI SYSTEM MODULE

(Duration: 5 days)

MAIN CONTENTS	LECTURERS	LANGUAGE	RESULTS ACHIEVED FOR STUDENTS
1. ELECTRONIC FUEL INJECTION SYSTEM THEORY **A. Principle, structure and operation of the FI system on modern motorbikes** *Content list:* - Overview of motorbike electronic fuel injection system - Air/ fuel ratio and air-fuel volume in adjusting engine power - Mechanical carburetor and electronic fuel injection system (PGM-FI) - Control block diagram of the electronic fuel injection system - Operating principles of components in the PGM FI system - Analyze factors related to the amount of fuel sprayed at the injector **B. Detect the faults in PGM-FI system on modern motorbikes** *Content list:* - How to detect the fault with PGM-FI system - How to detect simple out of range faults. Read OBD fault codes - How to detect complex in-range fault. Analyze engine live data - Procedures detect complex in-range fault PGM-FI system - Quickly find common faults on FI motorbikes with AI support technology on MOTOSCAN TAB	Master. Duong Tuan Dung	Teaching in English with support of English to Malaysian interpreter	- Students grasp in-depth knowledge about PGM-FI system as detailed in the learning content column - Students have enough knowledge and confidence to become a proficient salesperson and provide technical advice on PGM-FI systems to customers. - Students have enough professional knowledge and skills to provide technical support to customers when necessary - Students can perform basic repair services, vehicle rescue and exchange professional development with DTDAuto's technicians in the following years. - Good students can become teachers and open training classes for other repair workshop and repairmen.

2. PRACTICE: **A. Find simple faults of PGM-FI system by MOTOSCAN TAB on Malaysian motorbikes** *Content list:* - Find simple out of range faults by reading OBD codes and showing data details - Check and analyze live data, A/F ratio. - Check deep sensors, actuators, ECM - Test by signal simulator function on MOTOSCAN TAB **B. Practice finding complex faults of PGM-FI system by MOTOSCAN TAB on Malaysian motorbikes** *Contents list:* - Weak engine - High fuel consumption	Engineer. Tran Phu & other technicians	Teaching in Vietnamese with support of Vietnamese to Malaysian interpreter

TRAINING CONTENT FOR SMART KEY SYSTEM MODULE

(Duration: 3 days)

MAIN CONTENTS	LECTURERS	LANGUAGE	RESULTS ACHIEVED FOR STUDENTS
1. SMART KEY SYSTEM THEORY **A. Principle, structure and operation of the Smart Key system on modern motorbikes** *Content list:* - Basic information about smart key system - Definition: FOB, SCU, ECM, RFID, KEYID, ECMID AND 02 layers security theory - Special electronic memory used for smart key system - How to register a new key (FOB)? - Operation principle of smart key system - Conditions for turn on key cylinder & main relay - Conditions for start engine - Security principles of FOB in Smart key system - How to add new key & first security layer operation principle - How to make new key when lost all off the key **B. Operating principles of advanced functions to perform smart key system repair services for software and hardware** *Content list:* - Procedure of Syncing SCU with a new ECM - Procedure of replacing used ECM - Procedure of replacing new SCU - Input & output & electrical wiring diagram for smart key system - Component of smart key system - Methods of programming smart key:	Master. Duong Tuan Dung	Teaching in English & support of English to Malaysian interpreter	- Students grasp in-depth knowledge about Smart key system as detailed in the learning content column - Students have enough knowledge and confidence to become a proficient salesperson and provide technical advice on Smart key systems to customers. - Students have enough professional knowledge and skills to provide technical support to customers when necessary - Students can perform basic repair services, vehicle rescue and exchange professional development with DTDAuto's technicians in the following years. - Good students can become teachers and open training classes for other locksmiths and repairmen.

+ Manual programming with vehicle + Manual programming without vehicle + Automatic programming with special tools			
2. PRACTICE: **A. Practice experience of Smart key system components, tools: MOTOSCAN TAB, EASYKEY and practice registering additional keys while the old key is still available and lost all off the keys** *Content list:* - Experience Smart key system components on the motorcycles - Experience best Smart key repair tools: EASYKEY and MOTOSCAN TAB - Practice registering additional keys while the old key - Practice registering make new key when lost all off the keys **B. Practice advance function and Smart key service** *Contents list:* - Practice sync SCU with a new ECM - Practice replacing used ECM - Practice replacing new SCU - Practice advance service editing SCU data - Practice renewing FOB - Practice ON/OFF second security layer on ECM	Engineer. Tran Phu & other technicians	Teaching in Vietnamese with support of Vietnamese to Malaysian interpreter	

TRAINING CONTENT FOR ABS SYSTEM MODULE

(Duration: 2 days)

MAIN CONTENTS	LECTURERS	LANGUAGE	RESULTS ACHIEVED FOR STUDENTS
1. ABS SYSTEM THEORY **Principle, structure and operation of the ABS system on modern motorbikes** *Content list:* - What is ABS? Nature and meaning of ABS - What is the relationship between brake system and ABS? - What is the difference between ABS and CBS - The development of ABS Bosch and ABS Denso technology - The scientific basis, structure, functions, principles and activity of ABS - What is the main function of ABS? - Advantages and disadvantages of brakes with ABS and non-ABS - Hydraulic structure of the vehicle that is equipped with ABS and non-ABS - Structure and operating principle of ABS input signals - Structure, operating principle and control algorithm of ABS ECU - Structure and operating principle of signals and output device of ABS - Control hydraulic pressure at wheels of ABS - Control function for Relays and Solenoids of ABS - Self-test function of ABS - Self-Diagnostic system and OBD-I and OBD-II fault code of ABS - Test function for sensors and supply power inside ABS - Safety backup function of ABS - Hall sensor technology used in ABS - Operating principle and function of oil pump inside ABS	Master. Duong Tuan Dung	Teaching in English with support of English to Malaysian interpreter	- Students grasp in-depth knowledge about ABS system as detailed in the learning content column - Students have enough knowledge and confidence to become a proficient salesperson and provide technical advice on ABS systems to customers. - Students have enough professional knowledge and skills to provide technical support to customers when necessary - Students can perform basic repair services, vehicle rescue and exchange professional development with DTDAuto's technicians in the following years. - Good students can become teachers and open training classes for other repair workshop and repairmen.

- Structure and operation of Bosch & Denso dual-valve (2-position valve creates 3 states: increase pressure, hold pressure, decrease pressure in ABS)			
2. PRACTICE: **Practice finding faults of ABS system by MOTOSCAN TAB on Malaysian motorbikes** *Content list:* - Diagnose fault, analyze fault and live data of ABS system by MOTOSCAN TAB - Check, diagnostic fault, bleeds air and repair ABS system - Measure wheel skidding, check driving direction, braking distance to determine ABS quality and compare with non-ABS vehicles by a dedicated measuring system - Practice testing, repairing or replacing components of ABS	Engineer. Tran Phu & other technicians	Teaching in Vietnamese with support of Vietnamese to Malaysian interpreter	