

INSTEP Learning Calendar 2021

Bringing Experiential

Learning to You

for Off-the-Shelf

Your Preferred Technical Learning Solutions Partner

We accelerate your competency development through experiential learning..

We deliver customised niche learning solutions anchored on world-class facilities and industry-experienced instructors. We further support your exceptional growth because we care about your technical competencies.

"Experiencing is Enriching"

INSTEP is now MBOT

Approved Training Provider

Earn your CPD hours today..

INSTEP has been approved by Malaysia Board of Technologists (MBOT) as an Approved Training Provider (ATP) to deliver MBOT-certified training programmes for Continuing Professional Development (CPD) hours collection system. In MBOT, CPD is essential to renew the certificate of registration for Professional Technologists and Certified Technicians only.

"Experiencing is Enriching"

Virtual Instructor-Led Training (VILT)

The new norm of learning..

Blending the best of interactive live classroom training, and the convenient and cost effective virtual engagement with learners in online and offline activities from anywhere across the world.

"Experiencing is Enriching"

Experiential Learning

Apart from VILT..

Interactive theoretical learning in classroom, hands-on training at practical workshops and experiential learning at INSTEP's first-of-its-kind Upstream Downstream Training Plant (UDTP) will complement your digital learning experience!

"Experiencing is Enriching"



Innovative Technology

Testing and Deployment

*UDTP is the first-of-its-kind
in the world..*

It simulates real Upstream and Downstream plant scenarios in safe environment, and creates a perfect ecosystem as testbed to test and pilot new and innovative technology deployment.



"Experiencing is Enriching"

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Course

Progression Map

"Experiencing is Enriching"



Course Progression Map: Engineer

Suggested years of experience		Engineer						
		Operations		Mechanical & Inspection			Maintenance	
Exploration & Production	Process & Analytical	Static	Inspection	Rotating	Electrical	Instrumentation		
		<ul style="list-style-type: none"> ✓ P&ID and Schematic Diagram ✓ Well Operation & Maintenance ✓ Heat Exchanger Operation & Maintenance ✓ Hydrocarbon Treatment System ✓ Basic Petroleum Prod, Transportation & Processes ✓ Oil and Gas Terminal Operation ✓ Separator Operation ✓ Gas Lift Operations and Optimisation ✓ Wellhead and Production Header System ✓ Gas Compression and Compressor Operation & Control ✓ Gas Dehydration and Regeneration System ✓ Petroleum Liquid and Gas Properties ✓ Crude Separation and Crude/ Condensate Stabilisation ✓ Produced Water Treatment System on the Platform ✓ Water Injection System ✓ Pipe, Valve, Fitting and P&ID ✓ Watermaker Operation & Maintenance 	<ul style="list-style-type: none"> ✓ Tankage and Storage ✓ Piping and Valves ✓ Downstream Plant Familiarisation ✓ Plant Start-up & Shutdown ✓ P&ID and Schematic Diagram ✓ Distillation Principles (Pilot Plant and CBT) ✓ Water and Wastewater Treatment System ✓ Pump Operation and Care ✓ Heat Exchangers: Operation and Care ✓ Plant Monitoring & Optimisation ✓ Piping and Valves ✓ Furnace ✓ Tankage and Storage ✓ Plant Process Troubleshooting (L2) ✓ Compressor, Fan and Blowers: Operation and Care ✓ Heat Exchangers: Operation and Care ✓ Water and Wastewater Treatment System ✓ Distillation Principles (Pilot Plant and CBT) ✓ Tankage and Storage ✓ Piping and Valves ✓ Furnace ✓ Gas Turbine: Operation and Care ✓ Heat Exchangers: Operation and Care ✓ Water and Wastewater Treatment System ✓ Distillation Principles (Pilot Plant and CBT) ✓ POTCP 01 -Distributed Control System (DCS) ✓ POTCP 02 -Process Control ✓ POTCP 03 -Process Troubleshooting ✓ POTCP 04 -Plant Operation Practice ✓ POTCP 05 -Process Safety Practice 	<ul style="list-style-type: none"> ✓ Introduction to Piping System ** ✓ DOMI Static Equipment ** (cover all static equipment) ✓ Pressure Relieving Devices ✓ Lifting and Rigging ** ✓ Valves and Safety Valves Maintenance & Repair ✓ Tank Maintenance** ✓ Flange Management 	<ul style="list-style-type: none"> ✓ Integrated Module ** (general inspection) ✓ Welding Technology ✓ Quality Control ✓ Pressure Relieving Devices 	<ul style="list-style-type: none"> ✓ DOMI Pump ✓ DOMI Gas Turbine ✓ DOMI Compressor & Blowers ✓ Condition Monitoring Equipment ✓ DOMI Rotating Equipment ✓ Single Stage Centrifugal Pump ✓ Alignment Principles & Technology ✓ Mechanical Seal Maintenance and Troubleshooting ✓ Reciprocating Compressor ✓ Positive Displacement Pump ✓ Precision Practical Alignment ** 	<ul style="list-style-type: none"> ✓ Protection Relay & Coordination ✓ Generating Equipment & System ✓ Basic Application of Ex Equipment in Hazardous Area ✓ High Voltage Switching and Generator Synchronising Practice ✓ Portable Equipment and Temporary Installation ✓ Condition Monitoring and Maintenance of HV Switchgears and Transformers ✓ Maintenance and Troubleshooting of LV Motors (AC/DC) ✓ Generator Operation & Control System ✓ Low Voltage Switchboard & Switchgear Equipment Operation & Maintenance ✓ Maintenance and Troubleshooting of AC & DC UPS System ✓ Testing, Pre-Commissioning and Commissioning of Electrical Equipment ✓ HV System Switching ✓ Electrical Protection System ✓ IQ Motor Operated Valve (MOV) ✓ Selection, Installation and Inspection of Ex Equipment in Hazardous Area 	<ul style="list-style-type: none"> ✓ Fundamentals of Integrated Control Safety System (ICSS) ✓ Process Measurement I ✓ Control Valve ✓ Quality Measuring Instrument ✓ Vibration Monitoring System ✓ Gas Detection System ✓ Introduction to the Distributed Control System (DCS) Operation -ExperionPKS for Process Operator ✓ Introduction to the Distributed Control System (DCS) Operation -Yokogawa CS 3000 for Process Operator ✓ Plant Process Control & DCS System Operation ✓ Process Control Theory and Application ✓ Instrumented Safeguarding System ✓ Liquid and Gas Metering ✓ Safety PLC-Tricon TMR ✓ Programmable Logic Controller -Allen Bradley CLX5000 ✓ PID Tuning ✓ Honeywell EPKS Engineering & Maintenance
Basic	1-3 years				<ul style="list-style-type: none"> ✓ ASNT UTTM 		<ul style="list-style-type: none"> ✓ IECEX Unit Ex001 Competency Training Programme ✓ A0 Chargeman 	<ul style="list-style-type: none"> ✓ Certified Personnel for Metering Validation & Calibration Competency Programme ✓ Instrument Fitter
Intermediate	4-8 years	<ul style="list-style-type: none"> ✓ Plant Monitoring & Optimisation ✓ Plant Process Troubleshooting ✓ Fundamental of Drilling Operation L2 ✓ Wellhead Preventive Maintenance L2 		<ul style="list-style-type: none"> ✓ DOMI of Piping System & Valve ✓ DOMI of Static (Fire) - boiler fire equipment ** ✓ Welding Technology ✓ Non-Destructive Testing ✓ Flange Management 	<ul style="list-style-type: none"> ✓ Corrosion Control and Monitoring ✓ Unfired Pressure Vessel Inspection ✓ Welding Inspection 	<ul style="list-style-type: none"> ✓ Reciprocating Compressor Level 2 ✓ Positive Displacement Pump ✓ Diesel Engine : Operation & Maintenance ✓ Gas Turbine Operation & Maintenance ✓ Pump Troubleshooting 	<ul style="list-style-type: none"> ✓ A4 Chargeman ✓ B0 Chargeman ✓ Low Voltage Overhead Lines ✓ Low Voltage Generator and Synchronising ✓ IECEX Unit Ex001 & Ex003 Competency Training Programme ✓ IECEX Unit Ex007/008 Competency Training Programme ✓ IECEX Unit Ex001 & Ex009 Competency Training Programme 	
Advanced	≥ 8 years			<ul style="list-style-type: none"> ✓ OSR MS ✓ HSE MS ✓ Fired Pressure Vessel Inspection ✓ Piping Inspection ✓ Risk Based Inspection ✓ Atmospheric Storage Tank (Awareness) 	<ul style="list-style-type: none"> ✓ Hoisting & Lifting Equipment ✓ Non-Destructive Testing ✓ Welding Technology ✓ OSR Competency Assessment 		<ul style="list-style-type: none"> ✓ High Voltage Generator and Synchronising ✓ High Voltage Overhead Lines ✓ B4 Chargeman 	

Legend:

** Programme is available upon request

 Professional Development Programme (PDP)

 Assessment & Certification Programme (A&C)



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Course Progression Map: Engineer

E n g i n e e r					
All Levels	Health, Safety & Environment				
	Upstream Carigali Requirement	Legal	Oil & Gas	Safety	Environment
	<ul style="list-style-type: none"> ✓ PCSB PTW Level 2 Certification Programme ✓ PCSB PTW Level 3 Certification Programme 	<ul style="list-style-type: none"> ✓ Safe Handling of Chemicals (SHOC) ✓ Hearing Conservation Awareness ✓ CePSWaM ✓ Authorised Entrant and Standby Person for Confined Space (AESP) - Level 1 ✓ Authorised Entrant and Standby Person for Confined Space -Refresher (AESP) - Level 1 	<ul style="list-style-type: none"> ✓ RA Tools Training (BowTie, HAZID, HAZOP, P-HAZOP and PASR Application) 	<ul style="list-style-type: none"> ✓ AGT for Non-Confined Space ✓ Basic First Aid (Knowledge Level) ✓ Job Hazard Analysis (JHA) ✓ Mercury Awareness 	<ul style="list-style-type: none"> ✓ BASEL Convention ✓ Environmental Management Awareness ✓ CePSWaM Field Training Report Preparation Workshop (FTR) _KL ✓ CePSWaM Field Training Report Preparation Workshop (FTR) ✓ Handling of Scheduled Waste
	Emergency & Crisis	Process Safety Management	Fire	General	
	<ul style="list-style-type: none"> ✓ Chemical Spill Response and Clean-up ✓ Emergency Response Team (ERT) ✓ Incident Investigation ✓ On-Scene Commander (OSC) 	<ul style="list-style-type: none"> ✓ Management of Change ✓ Process Safety Awareness 	<ul style="list-style-type: none"> ✓ Basic Fire Fighting 	<ul style="list-style-type: none"> ✓ Office Ergonomics ✓ Hydrogen Sulfide (H2S) Awareness ✓ Emergency Management Programme (EMP) ✓ Permit to Work Awareness ✓ Hazardous Material (HAZMAT) ✓ Personal Protective Equipment (PPE) ✓ Working at Height ✓ Working at Height & Rescue ✓ Asbestos Awareness ✓ Energy Isolation ✓ Hazard and Effect Management Process (HEMP) ✓ Actively Caring in Safety ✓ Benzene Awareness ✓ Handling of Stress at the Workplace ✓ Heat Stress Awareness ✓ Human Factors ✓ Indoor Air Quality Awareness ✓ Manual Handling Awareness 	

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Course Progression Map: Technician

Suggested years of experience		Technician							
		Operations		Maintenance					
Exploration & Production	Process & Analytical	Mechanical & Inspection			Electrical	Instrumentation			
		Static	Inspection	Rotating					
Basic 1-3 years	<ul style="list-style-type: none"> ✓ Plant Process Troubleshooting ✓ Plant Monitoring & Optimisation ✓ P&ID and Schematic Diagram 	<ul style="list-style-type: none"> ✓ Tankage and Storage ✓ Piping and Valves ✓ Downstream Plant Familiarisation ✓ Plant Start-up & Shutdown ✓ P&ID and Schematic Diagram ✓ Distillation Principles (Pilot Plant and CBT) ✓ Water and Wastewater Treatment System ✓ Pump Operation and Care ✓ Heat Exchangers: Operation and Care 	<ul style="list-style-type: none"> ✓ Introduction to Piping System ** ✓ DOMI Static Equipment ** (cover all static equipment) ✓ Pressure Relieving Devices ✓ Lifting and Rigging ** ✓ Valves and Safety Valves Maintenance & Repair ✓ Tank Maintenance** 	<ul style="list-style-type: none"> ✓ Integrated Module ** (general inspection) ✓ Welding Technology ✓ Quality Control ✓ Pressure Relieving Devices 	<ul style="list-style-type: none"> ✓ DOMI Pump ✓ DOMI Gas Turbine ✓ DOMI Compressor & Blowers ✓ Condition Monitoring Equipment ✓ DOMI Rotating Equipment ✓ Single Stage Centrifugal Pump ✓ Alignment Principles & Technology ✓ Reciprocating Compressor ✓ Positive Displacement Pump 	<ul style="list-style-type: none"> ✓ Low Voltage Switchboard & Switchgear Equipment Operation & Maintenance ✓ Maintenance and Troubleshooting of LV Motors (AC/DC) ✓ Generator Operation & Control System ✓ Portable Equipment and Temporary Installation Protection Relay & Coordination ✓ Generating Equipment & System ✓ Basic Application of Ex Equipment in Hazardous Area 	<ul style="list-style-type: none"> ✓ AO Chargeman ✓ IECEx Unit Ex001 Competency Training Programme 	<ul style="list-style-type: none"> ✓ Fundamental of Integrated Control Safety System (ICSS) ✓ Process Measurement I ✓ Control Valve ✓ Quality Measuring Instrument ✓ Vibration Monitoring System ✓ Gas Detection System ✓ Introduction to the Distributed Control System (DCS) Operation -ExperionPKS for Process Operator ✓ Introduction to the Distributed Control System (DCS) Operation -Yokogawa CS 3000 for Process Operator 	<ul style="list-style-type: none"> ✓ Instrument Filter
Intermediate 4-8 years	<ul style="list-style-type: none"> ✓ Produced Water Treatment System on the Platform ✓ Crude Separation and Crude/ Condensate Stabilisation ✓ Gas Dehydration and Regeneration System ✓ Oil and Gas Terminal Operation ✓ Hydrocarbon Treatment System ✓ Plant Process Troubleshooting ✓ Plant Monitoring & Optimisation 	<ul style="list-style-type: none"> ✓ Plant Monitoring & Optimisation ✓ Piping and Valves ✓ Furnace ✓ Tankage and Storage ✓ Gas Turbine: Operation and Care ✓ Plant Process Troubleshooting (L2) ✓ Compressor, Fan and Blowers: Operation and Care ✓ Heat Exchangers: Operation and Care ✓ Water and Wastewater Treatment System ✓ Distillation Principles (Pilot Plant and CBT) 	<ul style="list-style-type: none"> ✓ DOMI of Piping System & Valve ✓ DOMI of Static (Fire) - boiler fire equipment ** ✓ Welding Technology ✓ Non-Destructive Testing 	<ul style="list-style-type: none"> ✓ Unfired Pressure Vessel Inspection ✓ Welding Inspection 	<ul style="list-style-type: none"> ✓ Precision Practical Alignment ** ✓ Reciprocating Compressor Level 2 ✓ Positive Displacement Pump ✓ Diesel Engine : Operation & Maintenance ✓ Gas Turbine Operation & Maintenance ✓ Mechanical Seal Maintenance and Troubleshooting 	<ul style="list-style-type: none"> ✓ High Voltage Switching and Generator Synchronising Practice ✓ Condition Monitoring and Maintenance of HV Switchgears and Transformers ✓ Maintenance and Troubleshooting of AC & DC Ups System ✓ Testing, Pre-Commissioning and Commissioning of Electrical Equipment ✓ Electrical Protection System ✓ IO Motor Operated Valve (MOV) ✓ Selection, Installation and Inspection of Ex Equipment in Hazardous Area 	<ul style="list-style-type: none"> ✓ A4 Chargeman ✓ B0 Chargeman ✓ Low Voltage Overhead Lines ✓ Low Voltage Generator and Synchronising ✓ IECEx Unit Ex001 & Ex003 Competency Training Programme ✓ IECEx Unit Ex007/008 Competency Training Programme ✓ IECEx Unit Ex001 & Ex009 Competency Training Programme 	<ul style="list-style-type: none"> ✓ Plant Process Control & DCS System Operation ✓ Process Control Theory and Application ✓ Instrumented Safeguarding System ✓ Liquid and Gas Metering ✓ Safety PLC -Tricon TMR ✓ Programmable Logic Controller -Allen Bradley CLX500 ✓ Honeywell EPKS Engineering & Maintenance 	<ul style="list-style-type: none"> ✓ Certified Personnel for Metering Validation & Calibration Competency Programme
Advanced ≥ 8 years	<ul style="list-style-type: none"> ✓ Gas Lift Operations and Optimisation ✓ Wellhead and Production Header System ✓ Gas Compression and Compressor Operation & Control ✓ Water Injection System ✓ Watermaker Operation & Maintenance 	<ul style="list-style-type: none"> ✓ Tankage and Storage ✓ Piping and Valves ✓ Furnace ✓ Gas Turbine: Operation and Care ✓ Heat Exchangers: Operation and Care ✓ Water and Wastewater Treatment System ✓ Distillation Principles (Pilot Plant and CBT) ✓ POTCP 01 -Distributed Control System (DCS) ✓ POTCP 02 -Process Control ✓ POTCP 03 -Process Troubleshooting ✓ POTCP 04 -Plant Operation Practice ✓ POTCP 05 -Process Safety Practice 	<ul style="list-style-type: none"> ✓ Pump Troubleshooting 			<ul style="list-style-type: none"> ✓ HV System Switching 	<ul style="list-style-type: none"> ✓ B4 Chargeman ✓ High Voltage Overhead Lines ✓ High Voltage Generator and Synchronising 	<ul style="list-style-type: none"> ✓ P&ID Tuning 	

Legend:

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 Assessment & Certification Programme (A&C)



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Course Progression Map: Technician

Technician					
All Levels	Health, Safety & Environment				
	Upstream Carigali Requirement	Legal	Oil & Gas	Safety	Environment
	<ul style="list-style-type: none"> ✓ PCSB PTW Level 2 Certification Programme ✓ PCSB PTW Level 3 Certification Programme 	<ul style="list-style-type: none"> ✓ Safe Handling of Chemicals (SHOC) ✓ Hearing Conservation Awareness 	<ul style="list-style-type: none"> ✓ RA Tools Training (BowTie, HAZID, HAZOP, P-HAZOP and PASR Application) 	<ul style="list-style-type: none"> ✓ AGT for Non-Confined Space ✓ Basic First Aid (Knowledge Level) ✓ Job Hazard Analysis (JHA) ✓ Mercury Awareness 	<ul style="list-style-type: none"> ✓ BASEL Convention ✓ Environmental Management Awareness ✓ CePSWaM Field Training Report Preparation Workshop (FTR) _KL ✓ CePSWaM Field Training Report Preparation Workshop (FTR) ✓ Handling of Scheduled Waste
	Emergency & Crisis	Process Safety Management	Fire	General	
	<ul style="list-style-type: none"> ✓ Chemical Spill Response and Clean-Up ✓ Emergency Response Team (ERT) ✓ Incident Investigation ✓ On-Scene Commander (OSC) 	<ul style="list-style-type: none"> ✓ Management of Change ✓ Process Safety Awareness 	<ul style="list-style-type: none"> ✓ Basic Fire Fighting 	<ul style="list-style-type: none"> ✓ Office Ergonomics ✓ Hydrogen Sulfide (H2S) Awareness ✓ Emergency Management Programme (EMP) ✓ Permit to Work Awareness ✓ Hazardous Material (HAZMAT) ✓ Personal Protective Equipment (PPE) ✓ Working at Height ✓ Working at Height & Rescue ✓ Asbestos Awareness ✓ Energy Isolation ✓ Hazard and Effect Management Process (HEMP) ✓ Actively Caring in Safety ✓ Benzene Awareness ✓ Handling of Stress at the Workplace ✓ Heat Stress Awareness ✓ Human Factors ✓ Indoor Air Quality Awareness ✓ Manual Handling Awareness 	

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 Professional Development Programme (PDP)

 Assessment & Certification Programme (A&C)



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Professional Development Programme (PDP)

"Experiencing is Enriching"



OTS PDP: Exploration & Production (E&P)

Programme Leader : Mohamad Muaz Bin Abdul Rasid +609-668 6148 +6016-656 9468 mohamadmua.zabdrasi@petronas.com.my	Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021												
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
Drilling Programme																					
1 OTS PDP : Drilling for Non-Driller, L2	2	F2F (NR)	KL	2800	5	20	2	10							15 - 16						
Exploration & Production Programme																					
2 OTS PDP : Well Operation & Maintenance, L2	2	F2F (NR)	KL	3,270	5	20	3	15	Upon Request (Click to Enquire)												
Petroleum Industry Programme																					
3 OTS PDP : Introduction to Petroleum Technology, L2 (VILT)	2	VILT	MS Teams	2,210	9	15	4	20		22-25		5-8			23-26					20-23	
4 OTS PDP : Overview of Petroleum Industry, L2	2	F2F (NR)	KL	3,880	5	20	3	15	Upon Request (Click to Enquire)												
Technician Programme																					
5 OTS PDP : Basic Petroleum Prod, Transportation & Processes, L2	2	F2F (NR)	KL	3,380	5	20	3	Coming soon		22 - 24											
6 OTS PDP : Crude Separation and Crude/ Condensate Stabilisation, L2	2	F2F (NR)	KL	3,380	10	20	3	15	Upon Request (Click to Enquire)												
7 OTS PDP : Gas Lift Operations and Optimisation, L2	2	F2F (NR)	KL	3,100	5	20	3	Coming soon			15 - 17										
8 OTS PDP : Gas Compression and Compressor Operation & Control, L2 (VILT)	2	VILT	MS Teams	1,870	10	20	3	15			5 - 7										
9 OTS PDP : Gas Dehydration and Regeneration System, L2 (VILT)	2	VILT	MS Teams	1,870	8	20	3	15						14 - 16							
10 OTS PDP : Heat Exchanger Operation & Maintenance, L2	2	F2F (NR)	KL	3,270	5	20	3	15	Upon Request (Click to Enquire)												
11 OTS PDP : Hydrocarbon Treatment System, L2	2	F2F (NR)	KL	3,270	5	20	3	15													
12 OTS PDP : Oil and Gas Terminal Operation, L2	2	F2F (NR)	KL	3,270	5	20	3	Coming soon	Upon Request (Click to Enquire)												
13 OTS PDP : Petroleum Liquid and Gas Properties, L2	2	F2F (NR)	KL	3,460	5	20	3	15						12 - 14							
14 OTS PDP : Pipe, Valve, Fitting and P&ID, L2	2	F2F (NR)	KL	3,460	5	20	3	15							16 - 18						
15 OTS PDP : Produced Water Treatment System on the Platform, L2	2	F2F (NR)	KL	3,460	8	20	3	15							20 - 22						
16 OTS PDP : Separator Operation, L2	2	F2F (NR)	KL	3,270	5	20	3	15	Upon Request (Click to Enquire)												
17 OTS PDP : Wellhead and Production Header System, L2	2	F2F (NR)	KL	3,270	10	20	3	15											8 - 10		
18 OTS PDP : Water Injection System, L2	2	F2F (NR)	KL	3,270	5	20	3	15											11 - 13		
19 OTS PDP : Watermaker Operation & Maintenance, L2	2	F2F (NR)	KL	3,270	5	20	3	15	Upon Request (Click to Enquire)												

- All INSTEP programmes are NOT HRDF CLAIMABLE effective 01 April 2021 until further notice
- Course fee stated above EXCLUDES tax
- Prog. type is subject to change:
 - > F2F : Face-to-Face Experiential Learning
 - > VILT : Virtual Instructor-Led Training
 - > R : Residential
 - > NR : Non-Residential

OTS PDP: Exploration & Production (E&P)

Programme Leader : Mohamad Muaz Bin Abdul Rasid +609-668 6148 +6016-656 9468 mohamadmua.zabdrasi@petronas.com.my	Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Training Plant Operation – Upstream																				
20	OTS PDP : Plant Process Troubleshooting, L2	2	F2F (NR)	INSTEP*	4,630	5	12	3	15											
21	OTS PDP : Plant Start-Up & Shutdown, L2	2	F2F (NR)	INSTEP*	8,930	5	12	5	25											
22	OTS PDP : Plant Monitoring & Optimisation, L2	2	F2F (NR)	INSTEP*	5,520	5	12	3	15											
23	OTS PDP : P&ID and Schematic Diagram, L2	2	F2F (NR)	INSTEP*	5,520	5	12	3	15											
24	OTS PDP : Upstream Plant Familiarisation, L2	2	F2F (NR)	INSTEP*	4,820	5	12	2	10											

[Upon Request \(Click to Enquire\)](#)

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 - » VILT : Virtual Instructor-Led Training
 - » R : Residential
 - » NR : Non-Residential

OTS PDP: Process & Analytical (P&A) – Process Operations

Programme Leader : Elias Abillah +6012-717 6903 elias.abllah@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS PDP: Compressor, Fan and Blowers: Operation and Care	F2F (NR)	KL	4,200	8	20	3	15				5-7			5-7			4-6		
2 OTS PDP: Cooling Water	F2F (NR)	KL	4,200	8	20	3	Coming soon		8-10				21-23						13-15
3 OTS PDP: Distillation Principles (Pilot Plant and CBT)	F2F (NR)	INSTEP*	3,180	8	15	3	15							5-7					
4 OTS PDP: Filter and Strainer: Operation and Care	F2F (NR)	KL	3,100	8	20	2	10			1-2				12-13					
5 OTS PDP: Fundamentals Process Control System Engineering	F2F (NR)	INSTEP*	3,500	8	15	4	Coming soon	18-21						12-15			11-14		
6 OTS PDP: Furnace	F2F (NR)	KL	3,100	8	20	2	10			8-9					2-3				6-7
7 OTS PDP: Gas Turbine: Operation and Care	VILT	MS Teams	1,140	6	20	3	15			5-7					6-8				20-22
8 OTS PDP: Heat Exchangers: Operation and Care	F2F (NR)	KL/Kerteh	4,200	8	20	3	15		22-24 (Kerteh)				28-30 (KL)				11-13 (KL)		
9 OTS PDP: Piping and Valves	F2F (NR)	KL/Kerteh	4,200	8	20	3	15		8-10 (Kerteh)				21-23 (KL)					20-22 (KL)	
10 OTS PDP: Plant Air Systems	F2F (NR)	KL	3,100	8	20	2	10						1-2					8-9	
11 OTS PDP: Pump Operation and Care	F2F (NR)	KL/Kerteh	4,200	8	20	3	15			5-7 (Kerteh)			26-28 (KL)					13-15 (KL)	
12 OTS PDP: Reactor: Operation and Care	F2F (NR)	KL	4,200	8	20	3	Coming soon			22-24					13-15				
13 OTS PDP: Separation Process	F2F (NR)	KL	3,100	8	20	2	10							23-24				8-9	
14 OTS PDP: Steam Turbine: Operation & Care	F2F (NR)	KL	4,200	8	20	3	15								20-22			28-30	
15 OTS PDP: Tankage and Storage	F2F (NR)	KL	4,200	8	20	3	15			5-7					27-29			22-24	
16 OTS PDP: Terminal Operation	F2F (NR)	KL	3,100	8	20	2	10						1-2				25-26		
17 OTS PDP: Terminal Operation (VILT)	VILT	MS Teams	530	10	25	2	Coming soon							16-17					
18 OTS PDP: Utility: Flare, LDS & Fuel Gas System (VILT)	VILT	MS Teams	1,140	6	20	3	15			15-17				16-18				1-3	
19 OTS PDP: Water and Wastewater Treatment System	F2F (NR)	KL/Kerteh	4,200	8	20	3	Coming soon		2-4 (KL)					23-25 (Kerteh)			15-17 (KL)		

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OTS PDP: Process & Analytical (P&A) – Process Operations

Programme Leader : Elias Abllah +6012-717 6903 elias.abllah@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Training Plant Operation – Downstream																			
20	OTS PDP: Downstream Plant Familiarisation	F2F (NR)	INSTEP*	2,530	8	12	2	Coming soon		14-15									
21	OTS PDP: Equipment Preparation for Maintenance (Isolation)	F2F (NR)	INSTEP*	3,850	8	12	3			8-10									
22	OTS PDP: Plant Monitoring & Optimisation	F2F (NR)	INSTEP*	3,850	8	12	3	15						14-16					
23	OTS PDP: Plant Process Troubleshooting, L2	F2F (NR)	INSTEP*	3,850	8	12	3	15						12-14					
24	OTS PDP: Plant Start-Up & Shutdown	F2F (NR)	INSTEP*	6,200	8	12	5	25						22-26					
25	OTS PDP: Plant Turnaround Management	F2F (NR)	INSTEP*	6,200	8	12	5	25						26-30					
26	OTS PDP: P&ID and Schematic Diagram	F2F (NR)	INSTEP*	3,850	8	12	3	15						4-6					

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 - » VILT : Virtual Instructor-Led Training
 - » R : Residential
 - » NR : Non-Residential

OTS PDP: Process & Analytical (P&A) – Laboratory

Programme Leader : Elias Abllah +6012-717 6903 elias.abllah@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS PDP: Calibration Requirements of Laboratory Equipment	F2F (NR)	KL	4,200	8	20	3	15											8-10	
2 OTS PDP: Fundamental of Analysis and Hydrocarbon Chemistry	F2F (NR)	KL	3,100	8	20	2	10											1-2	
3 OTS PDP: Inventory and Record	F2F (NR)	KL	3,100	8	20	2	10											6-7	
4 OTS PDP: Laboratory Safety (VILT)	VILT	MS Teams	1,870	6	20	3	Coming soon			15-17									
5 OTS PDP: Maintenance and Troubleshooting of Gas Chromatograph	F2F (NR)	INSTEP*	3,910	8	20	3	15										23-25		
6 OTS PDP: Physical and Biological Techniques	F2F (NR)	KL	4,200	8	20	3	15											6-8	
7 OTS PDP: Principles and Calibration of Gas Chromatograph	F2F (NR)	KL	4,200	8	20	3	15								28-30				
8 OTS PDP: Reagent Preparation and Standardisation	F2F (NR)	KL	2,740	8	20	2	10				5-6								
9 OTS PDP: Sample Management and Field Testing	F2F (NR)	KL	4,200	8	20	3	15								5-7				
10 OTS PDP: Spectroscopy Technique Analysis	F2F (NR)	Melaka	4,200	8	20	3	Coming soon			1-3									
11 OTS PDP: Titration and Electrochemistry	F2F (NR)	Kerteh	4,200	8	20	3	15											4-6	
12 OTS PDP: Water & Wastewater Analysis	F2F (NR)	INSTEP*	3,180	8	20	3	Coming soon		8-10										

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OTS PDP: Mechanical Engineering

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTPI)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS PDP : Alignment Principles & Technology	F2F (NR)	INSTEP*	3,030	10	15	3	Coming soon				6 - 8					27-29			
2 OTS PDP : Basic Principles of Rotating Equipment (VILT)	VILT	MS Teams with Live Demonstration	2,440	5	9	3			16-18										
3 OTS PDP : Condition Monitoring of Rotating Equipment	F2F (NR)	INSTEP*	3,030	10	15	3							15 - 17						
4 OTS PDP : Corrosion Control and Monitoring (VILT)	VILT	MS Teams	1,880	5	9	3					12-14						12-14		
5 OTS PDP : Design, Operation, Maintenance & Inspection of Compressors & Blowers	F2F (NR)	INSTEP*	2,090	5	25	3					29 - 31						4-6		
6 OTS PDP : Design, Operation, Maintenance & Inspection of Gas Turbines	F2F (NR)	INSTEP*	2,090	5	25	3							26 - 28			6-8			
7 OTS PDP : Design, Operation, Maintenance & Inspection of Pumps	F2F (NR)	INSTEP*	2,090	5	25	3					5 - 7					8-10			
8 OTS PDP : Design, Operation, Maintenance & Inspection of Rotating Equipment	F2F (NR)	INSTEP*	2,610	5	25	4			22 - 25										
9 OTS PDP : Diesel Engine: Operation & Maintenance	F2F (NR)	KL/Kerteh	3,580	15	20	4	20						14 - 17				4-7		
10 OTS PDP : Flange Management Training	F2F (NR)	INSTEP*	3,590	5	20	3	15						28-30			21-23			
11 OTS PDP : Gas Turbine Operation & Maintenance (VILT)	VILT	MS Teams	2,340	5	9	4	20				5-8					2-5			
12 OTS PDP : Lubrication and Filtration (VILT)	VILT	MS Teams	1,880	5	9	3	Coming soon				19-21					6-8			
13 OTS PDP : Mechanical Seal Maintenance and Troubleshooting	F2F (NR)	KL/Kerteh	3,380	15	20	3	15						27-29			11 - 13			
14 OTS PDP : Non-Destructive Testing	F2F (NR)	INSTEP*	2,680	10	15	4	Coming soon						1-4				8-11		
15 OTS PDP : Piping System Maintenance (Pipes and Fitting)	F2F (NR)	INSTEP*	1,680	5	20	2	Coming soon						29-30						
16 OTS PDP : Positive Displacement Pump	F2F (NR)	INSTEP*	2,180	10	15	2										11 - 12			
17 OTS PDP : Precision Practical Alignment	F2F (NR)	INSTEP*	2,090	5	20	3										16 - 18			
18 OTS PDP : Pressure Relieving Devices	F2F (NR)	INSTEP*	1,680	5	20	2	10						1 - 2						
19 OTS PDP : Pump Troubleshooting	F2F (NR)	INSTEP*	1,670	5	20	2	10									8 - 9			
20 OTS PDP : Pump Troubleshooting (VILT)	VILT	MS Teams	1,430	5	9	2	Coming soon			24-25									

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OTS PDP: Mechanical Engineering

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021												
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
21 OTS PDP : Quality Control (VILT)	VILT	MS Teams	1,880	5	9	3	Coming soon				12-14									
22 OTS PDP : Quality Control of Rotating Equipment (VILT)	VILT	MS Teams	1,880	5	9	3	15				5 - 7				17-19					
23 OTS PDP : Reciprocating Compressor	F2F (NR)	INSTEP*	3,030	10	15	3	10								5 - 7					
24 OTS PDP : Reciprocating Compressor (VILT)	VILT	MS Teams	1,880	5	9	3	Coming soon			29-31							5-7			
25 OTS PDP : Single Stage Centrifugal Pump	F2F (NR)	INSTEP*	3,030	10	15	3					24 - 26							8-10		
26 OTS PDP : Single Stage Steam Turbine (VILT)	VILT	MS Teams	1,880	5	9	3				20-22							4-6			
27 OTS PDP : Unfired Pressure Vessel Inspection (VILT)	VILT	MS Teams	1,880	5	9	3	Coming soon			23-25							6-8			
28 OTS PDP : Valves and Safety Valves Maintenance & Repair	F2F (NR)	INSTEP*	3,030	10	15	3					8 - 10							15-17		
29 OTS PDP : Welding Inspection	F2F (NR)	INSTEP*	2,130	10	15	3					8 - 10							8-10		
30 OTS PDP : Welding Inspection (VILT)	VILT	MS Teams	1,670	5	9	3	Coming soon			15-17										
31 OTS PDP : Welding Technology	F2F (NR)	INSTEP*	2,610	10	15	4	20								5 - 8					

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OTS PDP: Electrical

Programme Leader : Muhammad Badiuzzaman Bin Rusli +609-668 6289 +6019-341 7612 mbadiuzzaman.rusli@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS PDP : Basic Application of Ex Equipment	F2F (NR)	INSTEP*	2,190	5	8	2	10										5 - 6		
2 OTS PDP : Condition-Based Monitoring of High Voltage Switchgears and Transformers (VILT)	VILT	MS Teams	2,840	6	15	4	20				5 - 8								6-9
3 OTS PDP : Earthing, Lightning & Cathodic Protection System (VILT)	VILT	MS Teams	2,340	6	15	3	15								27 - 29				
4 OTS PDP : Electrical Protection System (VILT)	VILT	MS Teams	2,840	6	15	4	20							14 - 17				8 - 11	
5 OTS PDP : Generator Operation and Control System (VILT)	VILT	MS Teams	2,340	6	15	3	15			16 - 18								1-3	
6 OTS PDP : High Voltage Switching and Generator Synchronising Practice	F2F (NR)	INSTEP*	6,910	5	8	5	25	Upon Request (Click to enquire)											
7 OTS PDP : High Voltage System Switching (VILT)	VILT	MS Teams	2,340	6	15	3	15		16 - 18						17 - 19				
8 OTS PDP : Low Voltage Switching and Generator Synchronising Practice	F2F (NR)	INSTEP*	5,280	5	8	5	25	Upon Request (Click to enquire)											
9 OTS PDP : Operation and Maintenance of High Voltage Motor (VILT)	VILT	MS Teams	2,340	6	15	3	15							22-24				5-7	
10 OTS PDP : Operation and Maintenance of Solar Energy Equipment (VILT)	VILT	MS Teams	2,340	6	15	3								22-24				16-18	7-9
11 OTS PDP : Maintenance and Troubleshooting of AC & DC UPS System (VILT)	VILT	MS Teams	2,340	6	15	3				8 - 10							7 - 9		
12 OTS PDP : Motor Operated Valve (MOV) (VILT)	VILT	MS Teams	2,340	6	15	3	15							25 - 27			17-19		
13 OTS PDP : Portable Electrical Equipment and Temporary Installation	F2F (NR)	INSTEP*	2,260	5	8	2	10							26 - 27					
14 OTS PDP : Portable Electrical Equipment and Temporary Installation (VILT)	VILT	MS Teams	1,760	6	15	2	Coming soon											14 - 15	
15 OTS PDP : Power Management Practice (VILT)	VILT	MS Teams	1,760	6	8	2											28 - 29	20 - 21	
16 OTS PDP : Pre -Commissioning and Commissioning of Electrical Equipment (VILT)	VILT	MS Teams	2,340	6	15	3	15										12 - 14		
17 OTS PDP : Selection, Installation and Inspection of Ex Equipment (VILT)	VILT	MS Teams	2,840	6	15	4	20		1 - 4					23 - 26					

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OTS PDP: Instrumentation & Control

Programme Leader: M Nazmi Mizan +609-668 6322 +6017-909 6972 mnazmi.mizan@petronas.com.my		Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	OTS PDP: Liquid and Gas Metering L2	F2F (NR)	INSTEP*	4,370	8	15	3	15												6-8
2	OTS PDP: Liquid and Gas Metering L2 (VILT)**	VILT	MS Teams	1,600	5	10	2	Coming soon			1-2									
	OTS PDP: Liquid and Gas Metering L2 (Practical Session)**	F2F (NR)	INSTEP*	1,940	5	10	2													20-21
3	OTS PDP: PID Tuning L2	F2F (NR)	INSTEP*	4,370	8	15	3													4-6
4	OTS PDP: Programmable Logic Controller Allen Bradley CLX5000 L3	F2F (NR)	INSTEP*	4,370	8	15	3													15-17
5	OTS PDP: Control Valve I L1	F2F (NR)	INSTEP*	4,370	8	15	3													
6	OTS PDP: Control Valve II L2	F2F (NR)	INSTEP*	4,370	8	15	3													
7	OTS PDP: ControllLogix System Maintenance & Troubleshooting L3	F2F (NR)	INSTEP*	4,930	8	15	3													
8	OTS PDP: Gas Chromatograph L2	F2F (NR)	INSTEP*	4,370	8	15	3													
9	OTS PDP: Gas Detection System L3	F2F (NR)	INSTEP*	4,370	8	15	3													
10	OTS PDP: Gas Turbine & Control System Solar Turbotronic I L2	F2F (NR)	Kuantan	5,380	8	15	4													
11	OTS PDP: GE Heavy Duty Gas Turbine L2	F2F (NR)	Melaka	5,600	8	15	4													
12	OTS PDP: Honeywell EPKS Engineering & Maintenance L3	F2F (NR)	INSTEP*	5,520	8	15	3													
13	OTS PDP: Instrument Installation and Maintenance L3	F2F (NR)	KL	4,450	8	15	3													
14	OTS PDP: Instrumented Safeguarding System I L1	F2F (NR)	INSTEP*	4,370	8	15	3	Coming soon												
15	OTS PDP: Instrumented Safeguarding System II L2	F2F (NR)	INSTEP*	4,370	8	15	3													
16	OTS PDP: Introduction to the DCS Operation Experion PKS For Process Operator L3	F2F (NR)	INSTEP*	4,370	8	15	3													
17	OTS PDP: Introduction to the DCS Operation Yokogawa CS3000 for Process Operator L3	F2F (NR)	INSTEP*	4,370	8	15	3													
18	OTS PDP: Process Control Theory and Application L1	F2F (NR)	INSTEP*	4,370	8	15	3													
19	OTS PDP: Process Measurement I L1	F2F (NR)	INSTEP*	4,370	8	15	3													
20	OTS PDP: Process Measurement II L2	F2F (NR)	INSTEP*	4,370	8	15	3													
21	OTS PDP: Quality Measuring Instrument L2	F2F (NR)	INSTEP*	4,370	8	15	3	Coming soon												
22	OTS PDP: Safety PLC - Tricon TMR L3	F2F (NR)	INSTEP*	4,370	8	15	3													
23	OTS PDP: Solar Turbine & Control System II L3	F2F (NR)	Kuantan	5,380	8	15	4													
24	OTS PDP: Vibration Monitoring System L2	F2F (NR)	INSTEP*	4,370	8	15	3													

Note:

- Only selected** Instrumentation trainings from the list above will be delivered in mixed mode of Virtual Instructor-Led Training (VILT) and Face-to-Face (F2F) Experiential Learning.
- Please note that it is compulsory to attend VILT session prior to F2F Experiential Learning.

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OTS PDP: Health, Safety & Environment (HSE)

Programme Leader : Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.sb@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Training Plant Operation- HSE																			
1	OTS PDP : Managing of Major Emergency (Upstream)	F2F (NR)	INSTEP*	3,200	10	20	3	Coming soon											
2	OTS PDP : Plant HSE Practices	F2F (NR)	INSTEP*	3,200	10	20	3												Upon Request (Click to Enquire)
HSE Programme																			
3	OTS PDP : AGT For Non-Confined Space	F2F (NR)	INSTEP*	620	15	15	1	Coming soon											
4	OTS PDP : Basic Fire Fighting	F2F (NR)	INSTEP*	620	15	20	1												
5	OTS PDP : Basic First Aid	F2F (NR)	INSTEP*	620	15	20	1												
6	OTS PDP : Behaviour Safety	F2F (NR)	INSTEP*	1,050	10	20	2												
7	OTS PDP : CePSWaM Field Training Report Preparation Workshop (FTR)	F2F (NR)	INSTEP*	1,050	10	20	2												
8	OTS PDP : Emergency Management Program (EMP)	F2F (NR)	INSTEP*	990	15	20	2												
9	OTS PDP : Emergency Response Team (ERT)	F2F (NR)	INSTEP*	990	15	20	2												
10	OTS PDP : Energy Isolation	F2F (NR)	INSTEP*	620	15	20	1												
11	OTS PDP : Fundamental of Environmental Management (VILT)	VILT	MS Teams	1,050	15	15	1												
12	OTS PDP : Fundamental of Process Safety (VILT)	VILT	MS Teams	1,050	15	15	1												
13	OTS PDP : Green House Gases	F2F (NR)	INSTEP*	1,370	10	20	2												

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OTS PDP: Health, Safety & Environment (HSE)

Programme Leader : Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.s@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
14 OTS PDP : Handling of Scheduled Waste	F2F (NR)	INSTEP*	620	15	20	1	Coming soon	Upon Request (Click to Enquire)											
15 OTS PDP : Handling of Stress at the Workplace	F2F (NR)	INSTEP*	620	15	20	1													
16 OTS PDP : Hazard and Effect Management Process (HEMP) (VILT)	VILT	MS Teams	2,030	10	10	3													
17 OTS PDP : Hearing Conservation Programme (VILT)	VILT	MS Teams	620	15	15	1													
18 OTS PDP : HSE Essential Elements	F2F (NR)	INSTEP*	1,370	10	20	2													
19 OTS PDP : HSE Leadership	F2F (NR)	INSTEP*	1,370	10	20	2													
20 OTS PDP : HSE Risk Assessment and Demonstration of ALARP	F2F (NR)	INSTEP*	830	10	20	1													
21 OTS PDP : Human Factors	F2F (NR)	INSTEP*	620	15	20	1													
22 OTS PDP : Hydrogen Sulfide (H2S) Awareness (VILT)	VILT	MS Teams	870	15	15	1													
23 OTS PDP : Incident Investigation (VILT)	VILT	MS Teams	1,450	10	15	2													
24 OTS PDP : Job Hazard Analysis (JHA)	F2F (NR)	INSTEP*	620	15	20	1													
25 OTS PDP : Management of Change	F2F (NR)	INSTEP*	1,370	15	20	2													
26 OTS PDP : Management of Change (MOC) & Bypassing Safety Critical Protection Device (BSCPD)	F2F (NR)	INSTEP*	830	10	20	1													
27 OTS PDP : Manual Handling	F2F (NR)	INSTEP*	620	15	20	1													
28 OTS PDP : Mercury Safety	F2F (NR)	INSTEP*	620	15	20	1													
29 OTS PDP : Office Ergonomics	F2F (NR)	INSTEP*	620	15	20	1													
30 OTS PDP : Permit to Work Awareness	F2F (NR)	INSTEP*	620	15	20	1													
31 OTS PDP : Personal Protective Equipment (PPE)	F2F (NR)	INSTEP*	620	15	20	1													
32 OTS PDP : Process Hazards Analysis (PHA) with HAZOP & Pre-Activity Safety Review (PASR)	F2F (NR)	INSTEP*	830	10	20	1													

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OTS PDP: Health, Safety & Environment (HSE)

Programme Leader :	Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.sb@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021												
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
33	OTS PDP : RA Tools Training (BowTie, HAZID, HAZOP, P-HAZOP and PASR Application) (VILT)	VILT	MS Teams	1,450	10	10	2	Coming soon	Upon Request (Click to Enquire)												
34	OTS PDP : Safe Handling of Chemicals (SHOC) (VILT)	VILT	MS Teams	1,050	15	15	2														
35	OTS PDP : Safety Critical Element (SCE) & Performance Standards	F2F (NR)	INSTEP*	830	10	20	1														
36	OTS PDP : Sustainability	F2F (NR)	INSTEP*	1,370	10	20	2														
37	OTS PDP : Working at Height Awareness (VILT)	VILT	MS Teams	870	10	15	1														
38	OTS PDP : Working at Height	F2F (NR)	INSTEP*	1,450	10	10	2														

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 - > R : Residential
 - > NR : Non-Residential

OTS PDP: General Studies

Programme Leader: Muhammad Badiuzzaman Bin Rusli +609-668 6289 +6019-341 7612 mbadiuzzaman.rusli@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS PDP : English Writing Empowerment for NET	F2F (NR)	INSTEP*	1,940	12	15	3	Coming soon 25 - 27											7 - 9	7 - 9
2 OTS PDP : English Writing Empowerment for NET (VILT)	VILT	MS Teams	1,940	3	15	3									7 - 9				
3 OTS PDP : English Speaking Empowerment for NET	F2F (NR)	Kerteh	1,940	12	15	3												1-3	
4 OTS PDP : English Speaking Empowerment for NET (VILT)	VILT	MS Teams	1,940	3	15	3						8 - 10		3 - 5					

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Assessment & Certification

A&C

"Experiencing is Enriching"

OTS A&C: Exploration & Production (E&P) Special Project

Programme Leader : Siti Suhaili Shuib +609-668 6150 +6013-586 8208 sitisuhaili.shuib@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM) (Fee Inclusive of Assessment)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021												
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
Advanced Pigging Operation Certification Scheme (APOCS)																				
1	OTS A&C : Advanced Pigging Operation Certification Scheme (APOCS)	F2F (NR)	INSTEP*	7,000	10	20	5	Coming soon		21-25	14-18	4-8					10-14 24-29	14-18	12-16	
Upstream Panel Operator Certification Programme (UPOCP)																				
1	OTS A&C : UPOCP: Control Room Operator – Emergency Response Preparedness (CRO-ERP)	F2F (NR)	INSTEP*	7,000	6	6	3	Coming soon	19-21		21-23					2-4	5-7	11-13	23-25	6-8

- All INSTEP programmes are NOT HRDF CLAIMABLE effective 01 April 2021 until further notice
- Course fee stated above EXCLUDES tax
- Prog. type is subject to change:
 - » F2F : Face-to-Face Experiential Learning
 - » VILT : Virtual Instructor-Led Training
 - » R : Residential
 - » NR : Non-Residential

OTS A&C: Process & Analytical (P&A) – CePIETSO BP

NEW DATE

Programme Leader :	Siti Suhaili Shuib +609-668 6150 +6013-586 8208 sitisuhaili.shuib@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	OTS A&C: Certified Environmental Professional in the Operation of Industrial Effluent Treatment Systems (Biological Process)- CePIETSO BP	F2F (NR)	INSTEP*	5,000	15	24	5	Coming soon	17-21	21-25	14-18	4-8 18-22		6-10 27/6-1/7	25-29	15-19	5-9 26-30	3-7 24-28	21-25	12-16

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 - » NR : Non-Residential

OTS A&C: Mechanical & Inspection (M&I) – OSR Inspector

Programme Leader : Suhaili Hamah Muding-Muhamad +609-668 6065 +6010-236 5883 suhaili.hamahmuding@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS A&C : Atmospheric Storage Tank	F2F (NR)	KL/INSTEPI*	2,960	5	10	1	Coming soon								19	1			
2 OTS A&C : Fired Pressure Vessel Inspection	F2F (NR)	KL/INSTEPI*	5,290	5	10	2			15-16							6-7			
3 OTS A&C : Hoisting & Lifting Equipment	F2F (NR)	KL/INSTEPI*	4,470	5	10	2								12-13	16-17				
4 OTS A&C : HSE MS	F2F (NR)	KL/INSTEPI*	3,710	5	10	1.5		17-18							2-3				
5 OTS A&C : Non-Destructive Testing	F2F (NR)	KL/INSTEPI*	4,470	5	10	2								14-15		20-21	11-12		
6 OTS A&C : OSR Competency Assessment	F2F (NR)	KL/INSTEPI*	1,660	3	10	1			25							29			
7 OTS A&C : OSR MS	F2F (NR)	KL/INSTEPI*	3,710	5	10	1.5		16-17							3-4				
8 OTS A&C : Piping Inspection	F2F (NR)	KL/INSTEPI*	4,470	5	10	2				5-6							20-21		
9 OTS A&C : Risk Based Inspection	F2F (NR)	KL/INSTEPI*	4,470	5	10	2				7-8						14-15			
10 OTS A&C : Unfired Pressure Vessel Inspection	F2F (NR)	KL/INSTEPI*	5,290	5	10	2		17-18						11-12					
11 OTS A&C : Welding Technology	F2F (NR)	KL/INSTEPI*	4,470	5	10	2								23-24		13-14			

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OTS A&C: Electrical – IECEx Competency Training Programme & Assessment

Programme Leader: Muhamad Faizzudin Bin Ahmad Azhar +609-668 6120 +014-512 8724 muhamadfaizzudin.ah@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS A&C : IECEx Unit Ex001 Competency Training Programme & Assessment **	F2F (NR)	KL	4,950	5	10	2	10						16-17		17-18			9-10	
2 A&C : IECEx Unit Ex001 Competency Training Programme (VILT)	VILT	MS Teams	1,800	5	10	3	10						21-23		17-19			9-11	
3 OTS A&C : IECEx Unit Ex001 & Ex003 Competency Training Programme & Assessment **	F2F (NR)	INSTEP*	8,430	5	10	4	20								2-5				20-23
4 OTS A&C : IECEx Unit Ex001, Ex007 & Ex008 Competency Training Programme & Assessment **	F2F (NR)	INSTEP*	8,850	5	10	4	20			29/3 - 01/4				5-8				29/11 – 02/12	
5 OTS A&C : IECEx Unit Ex001, Ex003, Ex007 & Ex008 Competency Training Programme & Assessment **	F2F (NR)	INSTEP*	11,650	5	10	5	Coming soon						20-24		26-30				
6 OTS A&C : IECEx Unit Ex001, Ex004, Ex007 & Ex008 Competency Training Programme & Assessment **	F2F (NR)	INSTEP*	11,650	5	10	5							27/6 - 1/7				14-18		
7 OTS A&C : IECEx Unit Ex001 & Ex009 Competency Training Programme & Assessment **	F2F (NR)	KL	9,690	5	10	4	20										25-28		
8 OTS A&C : IECEx Refresher (Exclude Examination)	F2F (NR)	INSTEP*	670	N/A		1	Coming soon	Upon Request (Click to Enquire)											

Note:

- Fee is inclusive of Assessment**
- Assessment Date is subject to SIRIM's Availability

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 - > F2F : Face-to-Face Experiential Learning
 - > VILT : Virtual Instructor-Led Training
 - > R : Residential
 - > NR : Non-Residential

OTS A&C: Electrical – Chargeman Programme

Programme Leader: Muhammad Faizzudin Bin Ahmad Azhar +609-668 6120 +014-512 8724 muhamadfaizzudin.ah@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS A&C : A0 Chargeman	F2F (NR)	INSTEP*	15,030	15	15	80	Coming soon	To be announced- TBA (Click to Enquire)											
2 OTS A&C : A4 Chargeman	F2F (NR)	INSTEP*	18,730	12	12	100													
3 OTS A&C : B0 Chargeman	F2F (NR)	INSTEP*	20,990	14	14	100													
4 OTS A&C : B4 Chargeman	F2F (NR)	INSTEP*	22,830	10	10	100		Upon Request (Click to Enquire)											
5 OTS A&C : Low Voltage Overhead Lines	F2F (NR)	INSTEP*	4,690	20	20	10													
6 OTS A&C : High Voltage Overhead Lines	F2F (NR)	INSTEP*	6,980	10	10	13													
7 OTS A&C : Low Voltage Generator and Synchronising	F2F (NR)	INSTEP*	5,430	N/A		10													
8 OTS A&C : High Voltage Generator and Synchronising	F2F (NR)	INSTEP*	6,480			10													
9 OTS A&C : Refresher & Referral Examination	F2F (NR)	INSTEP*	2,580			6													
10 OTS A&C : Referral Examination	F2F (NR)	INSTEP*	510			1													

Note:

- The 2021 dates will be announced once Movement Control Order (MCO) has been lifted; and are subject to change depending on the COVID-19 situation from time to time. [Click here for confirmation/information](#)

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 - » F2F : Face-to-Face Experiential Learning
 - » VILT : Virtual Instructor-Led Training
 - » R : Residential
 - » NR : Non-Residential

OTS A&C: Instrumentation

Programme Leader: Muhamad Faizzudin Bin Ahmad Azhar +609-668 6120 +014-512 8724 muhamadfaizzudin.ah@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1 OTS A&C : Certified Personnel for Metering Validation and Calibration Competency Programme	F2F (NR)	INSTEP*	6,110	4	8	5	Coming soon						20-24	11-15	22-26		10-14		5-9
2 OTS A&C : Instrument Fitter	F2F (NR)	INSTEP*	4,310	4	8	4							14-17				22-25		

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OTS A&C: Health, Safety & Environment (HSE) – Authorised Entrant and Standby Person for Confined Space (AESP)

Programme Leader :	Suhaili Hamah Muding-Muhamad +609-668 6065 +6010-236 5883 suhaili.hamahmuding@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	OTS A&C : Authorised Entrant and Standby Person for Confined Space	F2F (NR)	INSTEP*	870	10	20	2	Coming soon	Upon Request (Click to Enquire)											
2	OTS A&C : Authorised Entrant and Standby Person for Confined Space – Refresher	F2F (NR)	INSTEP*	520	20	20	1													

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 - » NR : Non-Residential

OTS A&C: Health, Safety & Environment (HSE) – CePSWaM

NEW DATE

Programme Leader :	Siti Suhaili Shuib +609-668 6150 +6013-586 8208 sitisuhaili.shuib@petronas.com.my	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTPI)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	OTS A&C : Certified Environmental Professional in Scheduled Waste Management (CePSWaM)	F2F (NR)	INSTEP	3,750	10	35	5	Coming soon					23-27							
		F2F (NR)	Kuala Lumpur	3,750	10	35	5		25-29		15-19	5-9	31/5 – 4/6					11-15	22-26	29/11-3/12
		F2F (NR)	Johor Bharu	3,750	10	35	5			21-25								3-7		5-9
		F2F (NR)	Kuantan	3,750	10	35	5													
		F2F (NR)	Penang	3,750	10	35	5				22-26							27/9 – 1/10		13-17
		F2F (NR)	Kota Kinabalu	3,750	10	35	5											25-29		
		F2F (NR)	Miri	3,750	10	35	5												8-12	

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OTS A&C: Health, Safety & Environment (HSE) – PCSB Permit to Work (PTW) Competency Level 2: New Candidate & Refresher

Programme Leader: Nurul Nadia Binti Mohamad Sabry +609-668 6078 +6019-522 6554 nurulnadia.mohamads@petronas.com.my	Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021														
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec			
1 NEW DATE OTS A&C : PCSB Permit to Work Competency Level 2- New Candidate	2	F2F (NR)	VILT	MS Teams	700	20	25	3	Coming soon	11-13 25-27	8-10 15-17 22-24 23-25	4-6 15-17 23-25	5-7	4-6	8-10 21-23	13-15 26-28	3-5 16-18 17-19 (Session 1) 17-19 (Session 2) 23-25 (Session 1) 23-25 (Session 2) 24-26 (Session 1) 24-26 (Session 2)	6-8 (Session 1) 6-8 (Session 2) 7-9 (Session 1) 7-9 (Session 2) 11-13 (Session 1) 11-13 (Session 2) 12-14 (Session 1) 12-14 (Session 2) 25-27 26-28 (Session 1) 26-28 (Session 2)	4-6 5-7	11-13 (Session 1) 11-13 (Session 2) 12-14 (Session 1) 12-14 (Session 2) 25-27 26-28 (Session 1) 26-28 (Session 2)	8-10 (Session 1) 8-10 (Session 2) 8-10 (Session 3) 9-11 15-17 (Session 1) 15-17 (Session 2) 15-17 (Session 3) 22-24 23-25 (Session 1) 23-25 (Session 2)	8-10 (Session 1) 8-10 (Session 2) 8-10 (Session 3) 9-11 15-17 (Session 1) 15-17 (Session 2) 15-17 (Session 3) 22-24 23-25 (Session 1) 23-25 (Session 2)	1-3
			INSTEP*	1,370	15	25	3					23-25											
			Shah Alam/KL	1,370	15	25	3	11-13 25-27	8-10 22-24	4-6 15-17	5-7	4-6	8-10	5-7 12-14						14-16 20-22			
			Kerteh	1,370	15	25	3	12-14 19-21	2-4 16-18 23-25	8-10 16-18 23-25	6-8 19-21	4-6 23-25	8-10 15-17	6-8 13-15 27-29						6-8 14-16 21-23			
			Kota Kinabalu	1,370	15	25	3		2-4	4-6			15-17	5-7						28-30			
			Miri	1,370	15	25	3	11-13 18-20	8-10 23-25	8-10 15-17	5-7 19-21	3-5 18-20	21-23	6-8 13-15 27-29						6-8 13-15 28-30			

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OTS A&C: Health, Safety & Environment (HSE) – PCSB Permit to Work (PTW) Competency Level 2: New Candidate & Refresher

Programme Leader: Nurul Nadia Binti Mohamad Sabry +609-668 6078 +6019-522 6554 nurulnadia.mohamads@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM) **inclusive tax	Min Pax	Max Pax	Duration (Days)	CPD Hours	2021											
										Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
NEW DATE 1 OTS A&C : PCSB Permit to Work Competency Level 2- Refresher	2		VILT	MS Teams	450**	10	20	1	Coming soon	11	3	4	5								
										12	4	5	14	3	8	6	3	7	4	5	13
			F2F (NR)	INSTEP* Shah Alam/KL Kerteh Kota Kinabalu Miri	650	15	20	1		19	16	15	14	3	22	12	16	13	11	16	6
										20	17	16	15	4	23	13	17	14	12	17	7
										25	23	22	20			27	24		25		1
										26	24	23	21			29	25		26		6
										19			27	28							7

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Award &

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Institution of the
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Silver Award



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Safety Awards 2020
Gold Award



GLOBAL
GETENERGY
AWARD 2019
Localisation Award



OUTSTANDING
PEARSON LEARNER
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GOLD CLASS 1 AWARD
2017, 2018 & 2019



HUMAN RESOURCES
DEVELOPMENT
AWARDS 2017
Data Analytics
Category



GLOBAL
GETENERGY
AWARD 2016
Education & Training
Provider of the Year



PEARSON BTEC
CENTRE OF
EXCELLENCE 2015



PEARSON MEDALLION
AWARDS 2015



OPITO
EMPLOYERS
AWARD 2015



HUMAN RESOURCE
MINISTER
AWARD 2014
Training Provider in
Malaysia



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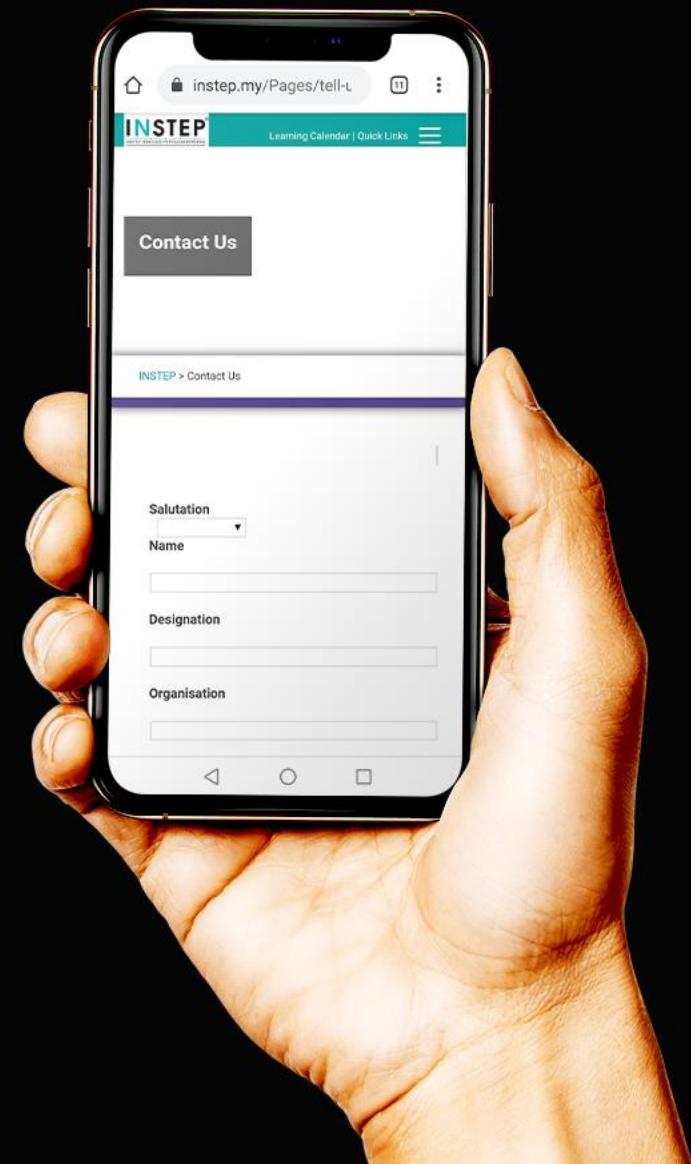
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