

INSTEP Learning Calendar 2021

Bringing Experiential

Learning to You

for PETRONAS Group



INSTEP[®]

INSTITUT TEKNOLOGI PETROLEUM PETRONAS

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"²

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”



Skill Group (SKG)

- 8 SKG09: Geoscience
- 10 SKG10: Petroleum Engineering
- 12 SKG11: Civil & Pipeline Engineering
- 15 SKG12: Mechanical Engineering
- 18 SKG13: Electrical Engineering
- 19 SKG14: Instrumentation & Control
- 20 SKG15: Material, Corrosion & Inspection Engineering
- 22 SKG16: Process Operations
- 31 SKG18: Health, Safety & Environment Programme
- 35 SKG19: Project Management
- 38 SKG25: Drilling
- 40 SKG27: Digital
- 41 SKG Others: Upstream Commercial Courses

Net Upgrading (NET UPG)

- 43 NET UPG: Exploration & Production (E&P)
- 44 NET UPG: Petroleum Industry Programme (PIP)
- 45 NET UPG: Process & Analytical (P&A) – Process Operations
- 46 NET UPG: Process & Analytical (P&A) – Laboratory
- 47 NET UPG: Civil
- 48 NET UPG: Mechanical & Inspection (M&I)
- 51 NET UPG: Electrical
- 53 NET UPG: Instrumentation
- 56 NET UPG: Health, Safety & Environment (HSE) – HSE Matrix Programme
- 59 NET UPG: General Studies

Assessment & Certification (A&C)

- 61 A&C: Exploration & Production (E&P) Special Project
- 62 A&C: Process & Analytical (P&A) – Panel Operator Training & Certification Programme (POTCP)
- 63 A&C: Process & Analytical (P&A) – Vessel Familiarisation & Shipshore Safety Checklist
- 64 A&C: Process & Analytical (P&A) – CePIETSO (BP) [NEW/DATE](#)
- 65 A&C: Mechanical & Inspection (M&I) – PESITAS
- 66 A&C: Mechanical & Inspection (M&I) – PMS, PRBI, ICML, ASNT & MIBOC
- 67 A&C: Mechanical & Inspection (M&I) – Welder Development Programme
- 68 A&C: Mechanical & Inspection (M&I) – OSR Inspector
- 69 A&C: Electrical – IECEX Competency Training Programme & Assessment
- 70 A&C: Electrical – Chargeman Programme
- 71 A&C: Instrumentation
- 72 A&C: Health, Safety & Environment (HSE) – Authorised Entrant and Standby Person for Confined Space (AESP)
- 73 A&C: Health, Safety & Environment (HSE) – CePSWaM
- 74 A&C: Health, Safety & Environment (HSE) – PCSB Permit to Work (PTW) Competency Level 3
- 75 A&C: PECAS Training Programme
- 77 Others: PETRONAS Assurance Delivery Excellence (PADEX)

Skill Group

(SKG)

"Experiencing is Enriching"

Programme Leader: M Hafiz Khairudin +609-668 6102 +6017-582 8368 mhafiz.khairudin@petronas.com.my									2021											
		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG09 : Integrated Module, L1 (VILT)	1	VILT	MS Teams	2,260	8	16	12							22/7 - 6/8					
2	SKG09 : Basic Quantitative Interpretation, L2 (VILT)	2	VILT	MS Teams	1,350	6	10	3			16-18						1-3			
3	SKG09 : Principle of Seismology, L2 (VILT)	2	VILT	MS Teams	1,720	6	16	5								2-6				
Exploration Geoscience																				
4	SKG09 : Basin Analysis, L2	2	F2F (NR)	KL	3,990	6	16	5							12-16					
5	SKG09 : Geological Operations, L2	2	F2F (R)	Putrajaya/ KL	6,390	8	16	5							28/6 - 2/7					
6	SKG09 : Petroleum Economic for Exploration, L2	2	F2F (R)	Putrajaya/ KL	5,940	7	16	4							29/6 - 2/7				29/11 - 2/12	
7	SKG09 : Prospect Maturation, L2 (VILT)	2	VILT	MS Teams					Upon Request (Click to Enquire)											
8	SKG09 : Seismic Interpretation and Mapping, L2 (VILT)	2	VILT	MS Teams	1,090	6	16	5										4-8		
9	SKG09 : Sequence Stratigraphy, L2 (VILT)	2	VILT	MS Teams	1,360	6	16	5									6-10			
10	SKG09 : Basin Analysis, L3	3	F2F (NR)	KL	4,380	6	16	5										4-8		
11	SKG09 : Integrated Seismic Interpretation and Mapping, L3 (VILT)	3	VILT	MS Teams	14,510	10	16	10			29/3 - 9/4								29/11 - 10/12	
12	SKG09 : Trap, Top and Fault Seal Analysis, L3 (VILT)	3	VILT	MS Teams					Upon Request (Click to Enquire)											
13	SKG09 : Seismic and Sequence Stratigraphy, L3	3	F2F (R)	Labuan & Kota Kinabalu	15,490	8	16	12											8-19	
Reservoir Geoscience																				
14	SKG09 : Applied Sedimentary Petrology, L2	2	F2F (NR)	PGSC	2,390	8	16	4										11-14		
15	SKG09 : Integrated Reservoir Modelling School (IRMS), L2 (VILT)	2	VILT	MS Teams	1,310	6	16	7			29/3 - 7/4						29/9 - 7/10			
16	SKG09 : Reservoir Mapping and Hydrocarbon Resource Assessment, L2	2	F2F (NR)	KL	5,030	7	16	8							7-16					
17	SKG09 : Sedimentology, L2	2	F2F (NR/R)	KL, PGSC & Pekan, Pahang	8,060	8	16	12						14-25						
18	SKG09 : Structural Geology, L2 (VILT)	2	VILT	MS Teams	1,620	6	16	5							26-30				22-26	
19	SKG09 : Advanced Reservoir Geophysics Characterisation, L3 (VILT)	3	VILT	MS Teams	1,620	6	16	5									6-10			
20	SKG09 : Advanced Time Depth Conversion and Velocities Analysis, L3 (VILT)	3	VILT	MS Teams	1,450	6	16	4						1-4				11-14		
21	SKG09 : Integrated Reservoir Modelling School (IRMS), L3 (VILT)	3	VILT	MS Teams	1,260	6	16	7										20-28		
22	SKG09 : Reservoir Mapping and Hydrocarbon Resource Assessment & Risk Analysis, L3	3	F2F (NR)	KL	5,980	8	16	10								16-27				
23	SKG09 : Sedimentology, L3	3	F2F (R)	Miri, Bintulu & Kota Kinabalu	18,690	8	16	12									20/9 - 1/10			
24	SKG09 : Structural Geology, L3 (VILT)	3	VILT	MS Teams					Upon Request (Click to Enquire)											

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Programme Leader: M Hafiz Khairudin +609-668 6102 +6017-582 8368 mhafiz.khairudin@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Geophysics																				
25	SKG09 : Basic Seismic Data Acquisition & Processing, L2 (VILT)	2	VILT	MS Teams	1,440	6	16	3					25-27							6-8
26	SKG09 : Inversion Theory, Seismic Imaging and Modelling L2 (VILT)	2	VILT	MS Teams	1,440	5	16	3				5-7					20-22			
27	SKG09 : Multi-Component & 4D/Time-Lapse Seismic Data Acquisition & Processing, L2 (VILT)	2	VILT	MS Teams	1,440	5	16	3			23-25								1-3	
28	SKG09 : Petroleum Geology for Non-Geology, L2 (VILT)	2	VILT	MS Teams	Upon Request (Click to Enquire)															
29	SKG09 : Wave Theory & Geophysical Method (Plus Survey Design), L2 (VILT)	2	VILT	MS Teams	1,900	5	16	5					24-28				27/9 1/10			
30	SKG09 : Advanced Geophysical Acquisition & Seismic Imaging Technologies, L3 (VILT)	3	VILT	MS Teams	Upon Request (Click to Enquire)															
31	SKG09 : Advanced Wave Theory, Seismic Data Processing & Inversion Theory, L3 (VILT)	3	VILT	MS Teams	1,900	5	16	5											22-26	
32	SKG09 : Quantitative Interpretation : Advanced Geophysics Interpretation, L3	3	F2F (NR)	KL	21,270	4	16	5							12-16					
33	SKG09 : Seismic Noise Attenuation & Multiple Elimination, L3 (VILT)	3	VILT	MS Teams	Upon Request (Click to Enquire)															
Geomatics																				
34	SKG09 : Geohazards : Basic and Theory, L1	1	Upon Request (Click to Enquire)																	
35	SKG09 : Survey & Positioning : Basic and Theory, L1	1																		
36	SKG09 : Geohazards : Operations and Interpretations, L2	2																		
37	SKG09 : Survey & Positioning : Operation and Application, L2	2																		
38	SKG09 : Geohazards : Information Application, L3	2																		
39	SKG09 : Geomatics and Seismic Acquisition & Land and Marine Navigation, L3	3																		
40	SKG09 : Survey & Positioning : Operations and Quality Control, L3	3																		
EP Technical Data																				
41	SKG09 : EP Data Management, L1	1	Upon Request (Click to Enquire)																	
42	SKG09 : EP Technical - Introduction to Geospatial for E&P Data Management L2	2																		
43	SKG09 : EP Technical Data Operation - Geoscience, L2	2																		
44	SKG09 : Introduction to Petroleum Engineering Data Operations, L2	2																		
45	SKG09 : Overview of E&P Data Type and Well Data Life Cycle, L2	2																		

SKG10: Petroleum Engineering

Programme Leader: Mohamad Muaz Bin Abdul Rasid +609-668 6148 +6016-656 9468 mohamadmuaz.abdrasi@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG10 : E&P Core Programme, L1	1	F2F (R)	KL	12,840	10	20	12								16 - 27		4 - 15		
Petrophysics																				
2	SKG10 : Basic Rock Physics, L2 (VILT)	2	VILT	MS Teams	1,220	5	20	3											1-3	
3	SKG10: Basic Clastic Petrophysical Analysis, L2 (VILT)	2	VILT	MS Teams	1,220	5	20	3										12-14		
4	SKG10 : Cased Hole Log Interpretation, L2 (VILT)	2	VILT	MS Teams	2,100	5	20	8										4-14		
5	SKG10 : Complex Lithology Interpretation, L2 (VILT)	2	VILT	MS Teams	1,570	5	20	4								2 - 6			8-11	
6	SKG10 : Fundamental of Petrophysics, L2 (VILT)	2	VILT	MS Teams	1,990	5	20	5			15 - 19									
7	SKG10 : Geology For Non-Geologist, L2 (VILT)	2	VILT	MS Teams	1,890	5	20	4						14 - 17			6 - 9			
8	SKG10 : LWD Principles & Application, L2 (VILT)	2	VILT	MS Teams	1,400	5	20	4							12-15					
9	SKG10 : Integrated Reservoir Petrophysics, L3 (VILT)	3	VILT	MS Teams	2,450	5	20	10									20/9 - 1/10			
Petroleum Economics																				
10	SKG10 : Petroleum Contract, L2 (VILT)	2	VILT	MS Teams	1,420	5	20	3			16-18									
11	SKG10 : Petroleum Economics System Appreciation, L2 (VILT)	2	VILT	MS Teams	1,350	5	20	3								16-18				
12	SKG10 : Practices of Petroleum Economics I, L2 (VILT)	2	VILT	MS Teams	1,550	5	20	3		2-4				8-10						
13	SKG10 : Risk and Uncertainty in Petroleum Valuation, L3 (VILT)	3	VILT	MS Teams	1,750	5	20	6										4-12		

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SKG10: Petroleum Engineering

Programme Leader: Mohamad Muaz Bin Abdul Rasid +609-668 6148 +6016-656 9468 mohamadmuaz.abdrasi@petronas.com.my									2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Production Technology																				
14	SKG10 : Contaminants Identification & Treatment, L2 (VILT)	2	VILT	MS Teams	1,570	5	20	3		8 - 10						3 - 5				
15	SKG10 : Fluid Sampling, L2 (VILT)	2	VILT	MS Teams	1,420	5	20	3						8 - 10						
16	SKG10 : Formation Damage & Matrix Treatment Technology, L2 (VILT)	2	VILT	MS Teams	1,790	8	20	10									27/9 - 8/10			
17	SKG10 : Production Analysis in Flow System, L2 (VILT)	2	VILT	MS Teams	1,790	5	20	5									20 - 24			
18	SKG10 : Production Chemistry, L2 (VILT)	2	VILT	MS Teams	2,010	5	20	5							26-30					
19	SKG10 : Production Enhancement I, L2 (VILT)	2	VILT	MS Teams	1,790	5	20	5						14 - 18						
20	SKG10 : Production Geochemistry, L2 (VILT)	2	VILT	MS Teams	1,410	5	20	2		16 - 17					5 - 6					
21	SKG10 : Sand Management & Control, L2 (VILT)	2	VILT	MS Teams	2,010	5	20	5									11 - 15			
22	SKG10 : Water Injection Management, L2 (VILT)	2	VILT	MS Teams	1,910	5	20	5				5 - 8								
23	SKG10 : Well Completion Design I, L2 (VILT)	2	VILT	MS Teams	1,570	5	20	4									27-30			
24	SKG10 : Advanced ESP and PCP Design & Operations, L3 (VILT)	3	VILT	MS Teams	1,790	5	20	5										29/11 - 3/12		
25	SKG10 : Advanced Gas Lift & Field Modelling, L3 (VILT)	3	VILT	MS Teams	1,790	5	20	5										4 - 8		
26	SKG10 : Production Enhancement II, L3 (VILT)	3	VILT	MS Teams	1,790	5	20	5										25 - 29		
27	SKG10 : Well Completion Design II, L3 (VILT)	3	VILT	MS Teams	1,790	5	20	5											22-26	
Reservoir Engineering																				
28	SKG10 : EOR, L2 (VILT)	2	VILT	MS Teams	1,750	5	20	3									20-22			
29	SKG10 : Petroleum Fluid Analysis, L2 (VILT)	2	VILT	MS Teams	1,910	5	20	4							5-8					
30	SKG10 : Practical of Well Testing, L2 (VILT)	2	VILT	MS Teams	1,910	5	20	5						21 - 25						
31	SKG10 : Practices of Reservoir Engineering, L2 (VILT)	2	VILT	MS Teams	3,860	5	20	9								26/8 - 5/9	4 - 14			
32	SKG10 : RE for Non-RE, L2 (VILT)	2	VILT	MS Teams	1,570	5	20	3							13 - 15					
33	SKG10 : Reservoir Management & Surveillance, L2 (VILT)	2	VILT	MS Teams	1,790	5	20	5									6-10		22 - 26	
34	SKG10 : Rock Properties, L2 (VILT)	2	VILT	MS Teams	1,790	5	20	5											15-19	
35	SKG10 : Complex Fluid, L3 (VILT)	3	VILT	MS Teams	1,480	5	20	3									7 - 9			
36	SKG10 : Gas Reservoir Engineering, L3 (VILT)	3	VILT	MS Teams	2,760	5	20	5									27/9 - 1/10			
37	SKG10 : Integrated Field Development Planning, L3 (VILT)	3	VILT	MS Teams	2,010	5	20	5											29/11 - 3/12	
38	SKG10 : Reservoir Characterisation & Simulation, L3 (VILT)	3	VILT	MS Teams	3,060	10	20	5										25 - 29		
39	SKG10 : Secondary Recovery Process, L3 (VILT)	3	VILT	MS Teams	2,010	5	20	5											8 - 12	

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SKG11: Civil & Pipeline Engineering

Programme Leader: Muhammad Badiuzzaman Bin Rusli +609-668 6289 +6019-341 7612 mbadiuzzaman.rusli@petronas.com.my									2021											
		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG11 : Pipeline Integrity Core Technology (PICT), L1 (VILT)	1	VILT	MS Teams	20,80	10	12	3						8-10					1-3	
2	SKG11 : PL1-1 Theory of Pipeline Design, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1		9							1			
3	SKG11 : PL1-2 Codes, Standards & Software, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1		9							2			
4	SKG11 : PL1-3 Pipeline & Riser Design, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1		10							3			
5	SKG11 : Corrosion Management & Corrosion Resistant Materials, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2							15 - 16					
6	SKG11 : Pipeline Integrity Core Technology (PICT), L2 (VILT)	2	VILT	MS Teams	2,080	10	12	3									28 - 30			
7	SKG11 : PL2-1 Mechanical Design & CP Design, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2			9-10									
8	SKG11 : PL2-2 Stress Design and Installation, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2			9-10									
9	SKG11 : PL2-3 Line Pipe and Flexible Materials, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2					25-26					6-7		
10	SKG11 : PL2-4 Pipeline Construction & Pre Commissioning, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2						23 - 24				12-13		
11	SKG11 : PL2-5 Flow Assurance, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2					27-28					6-7		
12	SKG11 : PL2-6 Riser Engineering, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2						24 - 25				13-14		
13	SKG11 : PL2-7 Onshore Pipeline Design , L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2							24 - 25					
14	SKG11 : PL2-8 Onshore Pipeline Construction & Integrity Mgt, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2							26 - 27					
15	SKG11 : Protective Coating & Lining, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2							15 - 16					
16	SKG11 : PL3-1 HP/HT Pipeline & Risers, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2					24 - 25						2-3	
17	SKG11 : PL3-2 Deep & Ultradeep Pipeline & Riser, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2					25 - 26						2-3	
18	SKG11 : PL3-3 Advanced Engineering Analysis, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2						15 - 16				20-21		
19	SKG11 : PL3-4 Integrity Management & Risk Management, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2						17 - 18				21-22		
20	SKG11 : PL3-5 Advanced Pipeline & Risers Materials, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2							6-7					
21	SKG11 : PL3-6 Advanced Pipeline Repair, L3 (VILT)	3	VILT	MS Teams	1,540	5	12	2							8-9				10-11	
22	SKG11 : PL3-7 Arctic Pipelines, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2								10-11				
23	SKG11 : PL3-8 Advanced Risk Based Inspection (RBI), L3 (VILT)	3	VILT	MS Teams	1,540	5	12	2								12-13				
24	SKG11 : PL3-9 Advanced Fitness for Service Assessments (FFS), L3 (VILT)	3	VILT	MS Teams	1,540	5	12	2									7-8			

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SKG11: Civil & Pipeline Engineering

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									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
25	SKG11 : Basic Training for Excavation Works Supervision, L1 (VILT)	1	VILT	MS Teams	1,590	10	12	2		4-5		1-2		8-9		17 - 18		5-6		1-2
26	SKG11 : CS10-1 Floating Structure, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1							13					
27	SKG11 : CS1-1 Soil Investigation, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1		17					14		7			
28	SKG11 : CS2-1-1 Structure Design - Offshore, L1 (VILT)	1	VILT	MS Teams	1,540	10	12	2								9-10				
29	SKG11 : CS2-2-1 Structure Design Onshore, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1			18					12				
30	SKG11 : CS3-1 Project Feasibility Study, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1		18					14					
31	SKG11 : CS4-1 Foundation Design, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1		19					15					
32	SKG11 : CS5-1 Pipeline Engineering, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1				5					7			
33	SKG11 : CS6-1 Welding and Material Technology, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1		18					28					
34	SKG11 : CS7-1 Construction Technology, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1				6					8			
35	SKG11 : CS8-1-1 Structure Integrity - Offshore, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1			17					11				
36	SKG11 : CS8-2-1 Structure Integrity Onshore, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1			19					13				
37	SKG11 : CS9-1 Inspection & Maintenance, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1				7					9			
38	SKG11 : Metocean, L1 (VILT)	1	VILT	MS Teams	1,250	5	12	1				8					10			
39	SKG11 : CS1-2 Soil Investigation, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2				6-7					21 - 22			
40	SKG11 : CS2-1-2 Structure Design - Offshore, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2					24 - 25					12-13		
41	SKG11 : CS2-2-2 Structure Design Onshore, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2						8-9					2-3	
42	SKG11 : CS3-2 Project Feasibility Study, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2				8-9					23 - 24			
43	SKG11 : CS4-2 Foundation Design, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2							6-7					7-8
44	SKG11 : CS6-2 Welding and Material Technology, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2						23 - 24					23 - 24	
45	SKG11 : CS7-2 Construction Technology, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2						24 - 25					25 - 26	

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 - » R : Residential
 - » NR : Non-Residential

SKG11: Civil & Pipeline Engineering

Programme Leader: Muhammad Badiuzzaman Bin Rusli +609-668 6289 +6019-341 7612 mbadiuzzaman.rusli@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
46	SKG11 : CS8-1-2 Structure Integrity - Offshore, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2					24 - 25					14 - 15		
47	SKG11 : CS8-2-2 Structure Integrity Onshore, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2						10-11					2-3	
48	SKG11 : CS9-2 Inspection & Maintenance, L2 (VILT)	2	VILT	MS Teams	1,540	10	12	2							8-9					9-10
49	SKG11 : CS1 Infrastructure Design Onshore, L3 (VILT)	3	VILT	MS Teams	1,550	10	12	3					27 - 28							
50	SKG11 : CS3 Foundation Design Onshore, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	3								24 - 26				
51	SKG11 : CS4 Construction Technology Onshore, L3 (VILT)	3	VILT	MS Teams	2,080	10	12	2									14 - 15			
52	SKG11 : CS5 Inspection & Maintenance Offshore, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2										26 - 27		
53	SKG11 : CS5 Inspection & Maintenance Onshore, L3 (VILT)	3	VILT	MS Teams	1,540	10	12	2										26 - 27		



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 - » NR : Non-Residential

SKG12: Mechanical Engineering

Programme Leader: M Nazmi Mizan +609-668 6322 +6017-909 6972 mnazmi.mizan@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG12.1 Rotating Equipment																				
1	SKG12.1 : HSEMS & MCF, L1	1	F2F (NR)	KL	2,530	10	20	2		3-4					6-7					
2	SKG12.1 : Condition Monitoring of Rotating Equipment, L2	2	F2F (NR)	KL	3,240	10	20	3			8-10					16-18				
3	SKG12.1 : Condition Monitoring of Rotating Equipment, L2 (VILT)	2	VILT	MS Teams	2,460	5	20	3								16-18				
4	SKG12.1 : DOMI of Compressors & Blowers, L2	2	F2F (NR)	KL	3,240	10	20	3						8-10				11-13		
5	SKG12.1 : DOMI of Gas Turbines, L2	2	F2F (NR)	KL	3,240	10	20	3							12-14				9-11	
6	SKG12.1 : DOMI of Gas Turbines, L2 (VILT)	2	VILT	MS Teams	2,460	5	20	3											9-11	
7	SKG12.1 : DOMI of ICE, Steam Turbines and Turbo Expander, L2	2	F2F (NR)	KL	4,040	10	20	4							14-17				25-28	
8	SKG12.1 : DOMI of ICE, Steam Turbines and Turbo Expander, L2 (VILT)	2	VILT	MS Teams	3,050	5	20	4											25-28	
9	SKG12.1 : DOMI of Pumps, L2	2	F2F (NR)	KL	3,240	10	20	3					18-20						4-6	
10	SKG12.1 : DOMI of Pumps, L2 (VILT)	2	VILT	MS Teams	2,460	5	20	3											4-6	
11	SKG12.1 : Machinery Control, Monitoring & Protection, L2	2	F2F (NR)	KL	2,780	10	20	2								3-4				1-2
12	SKG12.1 : Machinery Vibration Analysis, L2	2	F2F (NR)	KL	4,200	10	20	4							21-24			6-9		
13	SKG12.1 : Operational Performance, L2	2	F2F (NR)	KL	4,420	10	20	4								23-26				29/11 - 2/12
14	SKG12.1 : Driven Equipment Workshop, L3	3	F2F (NR)	KL	4,310	10	20	4								12-15			11-14	
15	SKG12.1 : Driver Equipment Workshop, L3	3	F2F (NR)	KL	4,310	10	20	4										20-23		
16	SKG12.1 : Driver Equipment Workshop, L3 (VILT)	3	VILT	MS Teams	3,050	5	20	4										20-23		
17	SKG12.1 : Intro of New Technology, Subsea & New Equipment Design, L3	3	F2F (NR)	KL	3,500	10	20	2					24-25							1-2
SKG12.2 Static Fired/Unfired/Piping																				
18	SKG12.2 : Introduction to Piping System, L1	1	F2F (NR)	KL	3,130	10	20	2											20-21	
19	SKG12.2 : DOMI of Static Equipment, L1	1	F2F (NR)	KL	4,760	10	20	4									16-19			
20	SKG12.2 : DOMI of Static Equipment, L1 (VILT)	1	VILT	MS Teams	3,230	10	15	4			15-18						16-19			
21	SKG12.2 : Introduction to Piping System, L1 (VILT)	1	VILT	MS Teams	1,960	10	15	2		23-24						13-14				
22	SKG12.2 : Basic Design & Fabrication of Static (Unfired), L2	2	F2F (NR)	KL	4,250	10	20	4							21-24					
23	SKG12.2 : DOMI of Heat Exchanger, L2	2	F2F (NR)	KL	4,270	10	20	4										20-23		
24	SKG12.1 : DOMI of Heat Exchanger, L2 (VILT)	2	VILT	MS Teams	3,050	5	20	4										20-23		
25	SKG12.2 : DOMI of Piping System and Valves, L2	2	F2F (NR)	KL	4,250	10	20	4				5-8						6-9		20-23
26	SKG12.2 : DOMI of Static (Fired) Equipment, L2	2	F2F (NR)	KL	4,250	10	20	4												8-11
27	SKG12.2 : DOMI of Valves, L2	2	F2F (NR)	KL	6,590	10	20	3											26-28	
28	SKG12.2 : Lifting Equipment, L2	2	F2F (NR)	KL	3,650	10	20	3								26-28				22-24

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SKG12: Mechanical Engineering

Programme Leader: M Nazmi Mizan +609-668 6322 +6017-909 6972 mnazmi.mizan@petronas.com.my									2021											
		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
29	SKG12.2 : Mechanical Equipment Maintenance, L2	2	F2F (NR)	KL	2,820	10	20	2			8-9						8-9			
30	SKG12.2 : Mechanical Equipment Maintenance, L2 (VILT)	2	VILT	MS Teams	1,870	5	20	2									8-9			
31	SKG12.2 : API 510 Pressure Vessel Inspection, L3 (VILT)	3	VILT	MS Teams	6,630	8	15	5						14-18		2-6				6-10
32	SKG12.2 : API 570 Piping Inspection, L3 (VILT)	3	VILT	MS Teams	6,630	8	15	5			15-19		17-21						29/11 - 3/12	
33	SKG12.2 : API 653 Tank Inspection, Repair, Alteration & Construction, L3 (VILT)	3	VILT	MS Teams	6,630	8	15	5											15-19	
34	SKG12.2 : ASME I Power Boiler, L3 (VILT)	3	VILT	MS Teams	6,190	8	15	3				7-9					1-3			
35	SKG12.2 : ASME VIII Div.1, L3 (VILT)	3	VILT	MS Teams	6,190	8	15	3						28-30		23-25				
36	SKG12.2 : ASME VIII Div.2, L3 (VILT)	3	VILT	MS Teams	6,190	8	15	2								26-27				
37	SKG12.2 : Asset Life Assessment, L3	3	F2F (NR)	KL	4,880	10	20	4												13-16
38	SKG12.2 : B31.3 Process Piping, L3 (VILT)	3	VILT	MS Teams	6,630	8	15	5				5-9					27/9 - 1/10	22-26		
39	SKG12.2 : Boiler and Steam Technology, L3	3	F2F (NR)	KL	3,830	10	20	3								23-25				
40	SKG12.2 : Detail Engineering of Piping System, L3	3	F2F (NR)	KL	7,580	12	20	5							26-30					
41	SKG12.2 : Stress and Thermal Analysis, L3	3	F2F (NR)	KL	3,520	10	20	2											1-2	
SKG12.3 Reliability																				
42	SKG12.3 : Benchmarking, L2	2	F2F (NR)	KL	3,290	12	20	3											16-18	
43	SKG12.3 : Data Acquisition, Validation & Decision Analysis, L2	2	F2F (NR)	KL	4,230	12	20	4										25-28		
44	SKG12.3 : Dependability, L2	2	F2F (NR)	KL	4,200	10	20	4											22-25	
45	SKG12.3 : Dependability, L2 (VILT)	2	VILT	MS Teams	3,230	10	15	4			22-25				26-29				22-25	
46	SKG12.3 : Equipment Reliability Strategy Part 1, L2	2	F2F (NR)	KL	3,650	12	20	3							5-7		6-8			
47	SKG12.3 : Equipment Reliability Strategy Part 2, L2	2	F2F (NR)	KL	3,650	12	20	3												6-8
48	SKG12.3 : Expert Level Asset Management, L3 (VILT)	3	VILT	MS Teams	1,380	10	20	4						8-11	12-15					
49	SKG12.3 : Expert Level Work Management, L3 (VILT)	3	VILT	MS Teams	1,610	10	20	5						21-25			20-24			
50	SKG12.3 : Expert Level Business Warehouse 7 (VILT)	3	VILT	MS Teams	1,150	10	20	3						28-30				11-13		
51	SKG12.3 : Predictive Maintenance Technique Part 1, L2	2	F2F (NR)	KL	2,700	12	20	2						14-15						
52	SKG12.3 : Predictive Maintenance Technique Part 2, L2	2	F2F (NR)	KL	3,650	12	20	3										25-27		

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SKG12: Mechanical Engineering

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									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG12.3 Reliability																				
53	SKG12.3 : Reliability and Maintainability Engineering Part 1, L2	2	F2F (NR)	KL	4,230	12	20	4								23-26				
54	SKG12.3 : Reliability and Maitainability Engineering Part 1, L2 (VILT)	2	VILT	MS Teams	3,050	5	15	4								23-26				
55	SKG12.3 : Reliability and Maintainability Engineering Part 2, L2	2	F2F (NR)	KL	4,230	12	20	4												13-16
56	SKG12.3 : Reliability and Maitainability Engineering Part 2, L2 (VILT)	2	VILT	MS Teams	3,050	5	15	4												13-16
57	SKG12.3 : Root Cause Failure Analysis, L2	2	F2F (NR)	KL	3,650	12	20	3								16-18				
58	SKG12.3 : Root Cause Failure Analysis, L2 (VILT)	2	VILT	MS Teams	2,720	10	15	3			22-24					16-18				
59	SKG12.3 : Asset Life Cycle Cost, L3	3	F2F (NR)	KL	4,660	12	20	4					17-20							6-9
SKG12.5 Subsea																				
60	SKG12.5 : Introduction to Subsea Engineering, L1 (VILT)	1	VILT	MS Teams	2,720	10	15	3									27-29			
61	SKG12.5 : Subsea Manifold and Piping System, L2	2	F2F (NR)	KL	3,710	11	20	3											23-25	



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SKG13: Electrical Engineering

Programme Leader: Muhammad Badiuzzaman Bin Rusli +609-668 6289 +6019-341 7612 mbadiuzzaman.rusli@petronas.com.my				Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
											Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG13 : Distribution Equipment, L1 (VILT)	1	VILT	MS Teams	2,070	5	15	4						5-8							8 - 11	
2	SKG13 : Ex Equipment (PEXCom# 01), L1 (VILT)	1	VILT	MS Teams	1,490	10	15	2									18-19					1-2
3	SKG13 : EMC, LPS and Earthing, L1 (VILT)	1	VILT	MS Teams	2,070	5	15	4								28/6 – 1/7			25 - 28			
4	SKG13 : Electric Motor and Drive, L1 (VILT)	1	VILT	MS Teams	2,070	5	15	4			22 - 25						5 - 8					
5	SKG13 : Generating Equipment & System, L1 (VILT)	1	VILT	MS Teams	2,030	5	15	3			9 - 11								7 - 9			
6	SKG13 : Protection Device and System, L1 (VILT)	1	VILT	MS Teams	2,070	5	15	4				15 – 18						23 - 26				
7	SKG13 : Distribution Equipment, L2 (VILT)	2	VILT	MS Teams	3,620	10	15	5										16-20				
8	SKG13 : Electric Motor and Drive, L2 (VILT)	2	VILT	MS Teams	6,240	10	15	4												11-14		
9	SKG13 : EMC, LPS and Earthing, L2 (VILT)	2	VILT	MS Teams	6,690	8	15	5													29/11 - 3/12	
10	SKG13 : Ex Equipment (PEXCom# 03), L2	2	F2F (NR)	INSTEP*	6,160	10	15	5													22 - 26	
11	SKG13 : Generating Equipment & System, L2 (VILT)	2	VILT	MS Teams	5,010	8	15	4								14 - 17				5-7		
12	SKG13 : Protection Device and System, L2 (VILT)	2	VILT	MS Teams	3,300	8	15	5											6 - 10			
13	SKG13 : Condition Monitoring and Predictive Analysis, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	5,010	5	15	4						24-27						4-7		
14	SKG13 : Electrical Safety and Regulations, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	2,070	5	15	4				22 - 25							27 - 30			
15	SKG13 : Electrical Network Automation (ENA), L1 & 2 (VILT)	1 & 2	VILT	MS Teams	2,440	4	15	3									27 - 29					
16	SKG13 : Electrical Engineering Design & ELSOR, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	2,040	5	15	3								21 - 24					1-3	
17	SKG13 : Green Energy, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,710	10	15	3				29 - 31						11-13				7 - 9
18	SKG13 : Power System Studies, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	4,630	8	15	4								21 - 24					9-12	
19	SKG13 : Power Quality, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	2,040	5	15	3								8 - 10						
20	SKG13 : Uninterruptible Power Supply System, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	6,010	8	10	4											20 - 23		15 - 18	

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SKG14: Instrumentation & Control

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									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG14 : IC1.1 Flow, Level, Pressure & Temperature, L1 & 2	1 & 2	F2F (NR)	KL	5,140	11	20	5								2-6				6-10
2	SKG14 : IC1.1 Flow, Level, Pressure & Temperature, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,500	8	20	5						14-18		2-6				
3	SKG14 : IC1.2 Liquid and Gas Metering, L1 & 2	1 & 2	F2F (NR)	INSTEP*	5,100	11	20	5							25-29			3-7		
4	SKG14 : IC1.2 Liquid and Gas Metering, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,570	5	20	5										3-7		
5	SKG14 : IC1.3 Quality Measurement, L1 & 2	1 & 2	F2F (NR)	KL	4,730	12	20	4												6-9
6	SKG14 : IC1.3 Quality Measurement, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,900	8	20	4		15-18				21-24						6-9
7	SKG14 : IC2 Control Theory and Application, L1 & 2	1 & 2	F2F (NR)	KL	4,730	12	20	4											8-11	
8	SKG14 : IC2 Control Theory and Application, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,900	8	20	4			22-25				5-8				8-11	
9	SKG14 : IC3 Instrument Engineering Design, L1 & 2	1 & 2	F2F (NR)	INSTEP*	4,730	12	20	4								2-5		4-7		
10	SKG14 : IC3 Instrument Engineering Design, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,900	8	20	4		22-25				31/5-03/6		2-5				
11	SKG14 : IC4 Process Computer System, L1 & 2	1 & 2	F2F (NR)	INSTEP*	4,730	11	20	4							12-15					12
12	SKG14 : IC4 Process Computer System, L1 & 2 (VILT)	1&2	VILT	MS Team	2,800	5	20	4								23-26				
13	SKG14 : IC5 Instrumented Safeguarding System, L1 & 2	1 & 2	F2F (NR)	KL	4,730	12	20	4										11-14		
14	SKG14 : IC5 Instrumented Safeguarding System, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,900	8	20	4			29/3 - 1/4			31/05-03/6				11-14		
15	SKG14 : IC6 Control Valve, L1 & 2	1 & 2	F2F (NR)	INSTEP*	5,100	11	20	5						13-17					14-18	
16	SKG14 : IC6 Control Valve, L1 & 2 (VILT)	1 & 2	VILT	MS Teams	3,760	5	20	5											14-18	
17	SKG14 : IC1.2 Liquid and Gas Metering, L3	3	F2F (NR)	INSTEP*	5,360	11	20	5									5-9		14-18	
18	SKG14 : IC1.3 Quality Measurement, L3	3	F2F (NR)	KL	5,340	11	20	4							12-15			25-28		
19	SKG14 : IC1.3 Quality Measurement, L3 (VILT)	3	VILT	MS Teams	3,320	5	20	4										25-28		
20	SKG14 : IC2 Control Theory and Application, L3	3	F2F (NR)	KL	5,340	11	20	4						21-24			20-23			
21	SKG14 : IC3 Instrument Engineering Design, L3	3	F2F (NR)	KL	6,090	11	20	5											22-26	
22	SKG14 : IC3 Instrument Engineering Design, L3 (VILT)	3	VILT	MS Teams	3,980	5	20	5											22-26	
23	SKG14 : IC4 Process Computer System, L3	3	F2F (NR)	KL	5,340	11	20	4									20-23			
24	SKG14 : IC4 Process Computer System, L3 (VILT)	3	VILT	MS Teams	3,320	5	20	4									20-23			
25	SKG14 : IC5 Instrumented Safeguarding System, L3	3	F2F (NR)	KL	5,340	11	20	4									27-30			13-16
26	SKG14 : IC5 Instrumental Safeguarding System, L3 (VILT)	3	VILT	MS Teams	3,320	5	20	4									27-30			

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SKG15: Material, Corrosion & Inspection Engineering

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									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG15 : Integrated Module, L1	1	F2F (NR)	INSTEP*	5,050	9	20	4							5-8					
2	SKG15 : Integrated Module, L1 (VILT)	1	VILT	MS Teams	3,230	9	9	4				5-6				16-19				
3	SKG15 : Atmospheric Storage Tank, L2	2	F2F (NR)	KL	4,270	8	20	4							5-8	23-26			8-11	
4	SKG15 : Composites & Polymers, L2	2	F2F (NR)	KL	3,410	6	20	3										26-28		
5	SKG15 : Composites & Polymers, L2 (VILT)	2	VILT	MS Teams	2,050	9	9	2								3-4				
6	SKG15 : Corrosion Control & Mitigation - Part 1 Painting & Coating, L2	2	F2F (NR)	KL	2,900	9	20	2										4-5		
7	SKG15 : Corrosion Control & Mitigation - Part 1 Painting & Coating, L2 (VILT)	2	VILT	MS Teams	1,940	5	9	2						29-30				4-5		
8	SKG15 : Corrosion Control & Mitigation - Part 2 Chemical Treatment & Cathodic Protection, L2	2	F2F (NR)	KL	4,830	9	20	4							26-29		6-9			
9	SKG15 : Corrosion Engineering and Management, L2	2	F2F (NR)	KL	3,530	10	20	3									6-8			
10	SKG15 : Corrosion Engineering and Management, L2 (VILT)	2	VILT	MS Teams	2,300	7	9	3						21-23			6-8			
11	SKG15 : Corrosion Testing & Monitoring, L2	2	F2F (NR)	KL	2,770	10	20	2							12-13	17-18				
12	SKG15 : Failure Investigation & Prevention Level 2 (VILT)	2	VILT	MS Teams	1,940	9	9	2			24-25						8-9			
13	SKG15 : Failure Investigation & Prevention, L2	2	F2F (NR)	KL	2,690	10	20	2									8-9			
14	SKG15 : FPV & UPV, Piping & Pipeline, L2	2	F2F (NR)	Melaka/KL	4,840	8	20	4						15-18		2-5				
15	SKG15 : Metallurgy & Materials Selection, L2	2	F2F (NR)	KL	4,300	13	20	4				5-8			5-8			11-14		
16	SKG15 : Non-Destructive Testing, L2	2	F2F (NR)	INSTEP*	2,890	11	20	3							13-15	3-5		5-7		
17	SKG15 : Quality Management, L2	2	F2F (NR)	KL	2,770	10	20	2						15-16			28-29			
18	SKG15 : Quality Management, L2 (VILT)	2	VILT	MS Teams	1,040	9	9	2					20-21				28-29			
19	SKG15 : Risk Based Inspection Methodology, L2	2	F2F (NR)	KL	2,690	10	20	2									7-8			
20	SKG15 : Risk Based Inspection Methodology, L2 (VILT)	2	VILT	MS Teams	1,940	9	9	2				7-8								
21	SKG15 : Supercorp: Corrosion Prediction Modelling, L2	2	F2F (NR)	KL	3,810	10	20	3										26-28		
22	SKG15 : Supercorp: Corrosion Prediction Modelling, L2 (VILT)	2	VILT	MS Teams	2,050	9	9	3						28-30				26-28		
23	SKG15 : Welding Technology, L2	2	F2F (NR)	INSTEP*	2,650	10	20	3						22-24			6-8		8-10	

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SKG15: Material, Corrosion & Inspection Engineering

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
24	SKG15 : Advanced Material Selection, L3	3	F2F (NR)	KL	4,420	7	20	3						8-10				5-7		
25	SKG15 : Advanced Non-Destructive Testing, L3	3	F2F (NR)	KL	3,980	8	20	3				6-8				24-26			15-17	
26	SKG15 : Advanced Welding Technology, L3	3	F2F (NR)	KL	3,810	8	20	3					24-26				21-23			
27	SKG15 : Ceramics Composites & Polymers for Advanced Application, L3	3	F2F (NR)	KL	4,610	7	20	4										15-18		
28	SKG15 : Corrosion Control and Mitigation, L3	3	F2F (NR)	KL	5,570	7	20	5									20-24			
29	SKG15 : Corrosion Engineering and Management, L3	3	F2F (NR)	KL	4,540	7	20	3										16-18		
30	SKG15 : Corrosion Testing & Monitoring, L3	3	F2F (NR)	KL	4,540	7	20	3							27-29			26-28		
31	SKG15 : Corrosion Testing & Monitoring, L3 (VILT)	3	VILT	MS Teams	2,850	7	9	3		16-18						3-5				
32	SKG15 : Fitness for Service, L3	3	F2F (NR)	KL	3,220	12	20	5						15-19		16-20			22-26	
33	SKG15 : Risk Based Inspection Assessment & Auditing, L3	3	F2F (NR)	KL	3,820	10	20	3							6-8			12-14		



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SKG16: Process Operations

Programme Leader: Ahmad Yusuf B Hussain +609-668 6226 +6013-239 0864 yusuf.hussain@petronas.com.my				Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
Jan	Feb	Mac	Apr								May	June	July	Aug	Sept	Oct	Nov	Dec				
SKG16.1 Operations Management																						
Upstream - Programmes for E1																						
1	SKG16.1 : Introduction to Petroleum Technology INSTEP			Refer to NET PIP : Introduction to Petroleum Technology (VILT)																		
2	SKG16.1 : Process Schematic (known as P&ID) Upstream			2	F2F (NR)	KL	4,170	12	20	3					26-28		13-15		5-7		24-26	
3	SKG16.1 : Well Operations & Maintenance Upstream			2	F2F (NR)	KL	4,730	8	20	3							4-6				17-19	
4	SKG16.1 : Well Operations & Maintenance Upstream (VILT)			2	VILT	MS Teams	2,500	8	10	3		2-4				9-11		4-6			17-19	
5	SKG16.1 : Introduction to Integrated HC Supply Chain, L1			1	Refer to 16.2 (Upstream) Calendar																	
6	SKG16.1 : Plant Cost Management, L2			2	Refer to 16.1 (Downstream) Calendar																	
7	SKG16.1 : Plant Performance Monitoring & Optimisation, L2			2	Refer to 16.3 (Process Technology) Calendar																	
8	SKG16.1 : Surface Production Facilities – Oil/Water & Gas Handling, L2			2	Refer to 16.2 (Upstream) Calendar																	
Upstream - Programmes for E2																						
9	SKG16.1 : Gas Lift Optimisation Upstream			2	F2F (NR)	KL	4,500	12	25	3										27-29		
10	SKG16.1 : Gas Lift Optimisation Upstream (VILT)			2	VILT	MS Teams	2,300	8	15	3			8-10			8-10				27-29		
11	SKG16.1 : Safety in Process Design & Operations, L2			2	Refer to 16.3 (Process Technology) Calendar																	
12	SKG16.1 : Advance Oil & Gas Handling (Subsurface), Level 3 Upstream			3	F2F (NR)	KL	6,590	14	25	5							2-6				15-19	
13	SKG16.1 : Advance Oil & Gas Handling (Subsurface), Level 3 Upstream (VILT)			3	VILT	MS Teams	3,470	9	15	5		15-19				21-25		2-6			15-19	
14	SKG16.1 : Advance Oil & Gas Handling (Surface), Level 3 Upstream			3	F2F (NR)	KL	6,590	14	25	5							26-30				11-15	
15	SKG16.1 : Advance Oil & Gas Handling (Surface), Level 3 Upstream (VILT)			3	VILT	MS Teams	3,470	9	15	5	18-22									11-15		
16	SKG16.1 : Production Enhancement, L3			3	Refer to 16.2 Well Programming & Integrated Production Enhancement (Upstream) Calendar																	
Downstream - Programmes for E1																						
17	SKG16.1 : HSE Management System			Refer to SKG18 Calendar																		
18	SKG16.1 : SSDP Grounding I (Functional) Downstream			2	F2F (NR)	KL	5,140	9	20	3								7-9				
19	SKG16.1 : SSDP Grounding I (Functional) Downstream (VILT)			2	VILT	MS Teams	3,170	8	15	3			24-26					7-9				
20	SKG16.1 : SSDP Grounding II (Multidisciplinary) Downstream			2	F2F (NR)	INSTEP*	5,290	8	20	4								21-24				

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SKG16: Process Operations

Programme Leader: Ahmad Yusuf B Hussain +609-668 6226 +6013-239 0864 yusuf.hussain@petronas.com.my		Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG16.1 Operations Management																				
Downstream - Programmes for E1																				
21	SKG16.1 : SSDP Grounding II (Multidisciplinary) Downstream (VILT)	2	VILT	MS Teams	3,370	8	15	4				16-19					21-24			
22	SKG16.1 : SSDP Supervisory and Leadership Downstream	2	F2F (NR)	KL	3,930	14	20	4					25-28						15-18	
23	SKG16.1 : Process Control Theory & Application, Level 2 Downstream	2	F2F (NR)	KL	6,110	8	20	3							13-15		6-8			
24	SKG16.1 : Process Control Theory & Application, Level 2 Downstream (VILT)	2	VILT	MS Teams	2,670	8	10	3	19-21		17-19				13-15		6-8			
25	SKG16.1 : Plant Cost Management, Level 2 Downstream	2	F2F (NR)	KL	4,390	10	20	3					26-28		12-14		22-24		16-18	
26	SKG16.1 : Hydrocarbon Movement, Level 2 Downstream	2	F2F (NR)	KL	4,250	10	20	3										5-7		
27	SKG16.1 : Hydrocarbon Movement, Level 2 Downstream ((VILT))	2	VILT	MS Teams	2,300	9	15	3						9-11		11-13		5-7		
28	SKG16.1 : Plant Performance Monitoring & Optimisation, L2	2	Refer to 16.3 (Process Technology) Calendar																	
Downstream - Programmes for E2																				
29	SKG16.1 : Plant Start Up & Shutdown Downstream	3	F2F (NR)	KL	4,320	10	25	3						16-18		17-19		27-29		1-3
30	SKG16.1 : SKG18 Emergency Management	Refer to SKG18 Calendar																		
31	SKG16.1 : Safety in Process Design & Operations, L2	2	Refer to 16.3 (Process Technology) Calendar																	

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									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG16.2 Production Planning																				
Upstream - Programmes for E1																				
32	SKG16.2 : Introduction to Integrated HC Supply Chain, Level 1 Upstream	1	F2F (NR)	KL	5,980	8	20	5					24-28			2-6				13-17
33	SKG16.2 : Introduction to Integrated HC Supply Chain, Level 1 Upstream (VILT)	1	VILT	MS Teams	2,920	8	15	5		22-26						2-6				13-17
34	SKG16.2 : HC Accounting and Allocation, Level 2 Upstream	2	F2F (NR)	KL	4,420	10	20	3								3-5				
35	SKG16.2 : HC Accounting and Allocation, Level 2 Upstream (VILT)	2	VILT	MS Teams	2,250	10	15	3			24-26					3-5				
36	SKG16.2 : HC Planning and Forecasting, Level 2 Upstream	2	F2F (NR)	KL	3,700	10	20	3									1-3			
37	SKG16.2 : HC Planning and Forecasting, Level 2 Upstream (VILT)	2	VILT	MS Teams	2,250	10	15	3					22-24			1-3				
38	SKG16.2 : Integrated HC Supply Chain & Optimisation, Level 2 Upstream (VILT)	2	VILT	MS Teams	3470	10	20	5								23-27				
39	SKG16.2 : Production Operations, Level 2 Upstream	2	F2F (NR)	KL	5,890	10	20	5										11-15		
40	SKG16.2 : Production Operations, Level 2 Upstream (VILT)	2	VILT	MS Teams	3,190	9	15	5			15-19							11-15		
41	SKG16.2 : Surface Production Facilities – Oil/Water & Gas Handling, Level 2 Upstream	2	F2F (NR)	KL	4,790	8	20	5					24-28			16-20		11-15		
42	SKG16.2 : Surface Production Facilities – Oil/Water & Gas Handling, Level 2 Upstream (VILT)	2	VILT	MS Teams	2,550	9	15	5		15-19						16-20		11-15		
43	SKG16.2 : Well Programming & Integrated Production Enhancement, Level 2 Upstream	2	F2F (NR)	KL	6,620	8	20	5									6-10			13-17
44	SKG16.2 : Well Programming & Integrated Production Enhancement, Level 2 Upstream (VILT)	2	VILT	MS Teams	3,060	9	15	5		22-26		5-9					6-10			13-17
Upstream - Programmes for E2																				
45	SKG16.2 : Petroleum Contract, L2	2	Refer to SKG10 Calendar																	
46	SKG16.2 : Practice of Petroleum Economics, L2	2	Refer to SKG10 Calendar																	
47	SKG16.2 : Advance Oil & Gas Handling (Subsurface), L3	3	Refer to 16.1 (Upstream) Calendar																	
48	SKG16.2 : Advance Oil & Gas Handling (Surface), L3	3	Refer to 16.1 (Upstream) Calendar																	
49	SKG16.2 : Practice of Reservoir Engineering, L3	3	Refer to SKG10 Calendar																	



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SKG16: Process Operations

Programme Leader: Ahmad Yusuf B Hussain +609-668 6226 +6013-239 0864 yusuf.hussain@petronas.com.my		Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG16.2 Production Planning																				
Downstream - Programmes for E1																				
50	SKG16.2 : Introduction to Integrated HC Supply Chain, L1	1	Refer to 16.2 (Upstream) Calendar																	
51	SKG16.2 : Feedstock Evaluation, Level 2 Downstream	2	F2F (NR)	KL	3,750	8	10	2										14-15		
52	SKG16.2 : HC Accounting and Allocation, Level 2 Downstream	2	F2F (NR)	KL	4,780	7	10	2							12-13					
53	SKG16.2 : HC Accounting and Allocation, Level 2 Downstream (VILT)	2	VILT	MS Teams	2,720	7	10	2			25-26				12-13					
54	SKG16.2 : HC Planning and Forecasting, Level 2 Downstream	2	F2F (NR)	KL	3,600	7	20	2									2-3			
55	SKG16.2 : HC Planning and Forecasting, Level 2 Downstream (VILT)	2	VILT	MS Teams	1,800	7	15	2							1-2		2-3			
56	SKG16.2 : Integrated HC Supply Chain & Optimisation, Level 2 Downstream	2	F2F (NR)	KL	4,400	7	20	2									2-3			
57	SKG16.2 : Integrated HC Supply Chain & Optimisation, Level 2 Downstream (VILT)	2	VILT	MS Teams	2,540	7	10	2			9-10						2-3			
Downstream - Programmes for E2																				
58	SKG16.2 : Finance Sense by PLC	Refer to PLC Calendar																		
59	SKG16.2 : Law and Contract related to Marketing and Trading (SKG03)	Refer to PLC Calendar																		
60	SKG16.2 : Marketing for Production Planning, Level 3 Downstream	3	F2F (NR)	KL	6,290	7	20	3											1-3	
61	SKG16.2 : Ship & Shore Measurement, Level 3 Downstream	3	F2F (NR)	KL	6,360	7	20	3											24-26	

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									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG16.3 Process Technology																				
Process Technology - Programmes for E1																				
62	SKG16.3 : iCON Basic Training by GTS	2	Refer to 16.4 (Plant Improvement/Optimization) Calendar																	
63	SKG16.3 : Grounding Program, Level 2	2	F2F (NR)	KL	11,850	9	20	10								16-27			22/11 - 3/12	
64	SKG16.3 : Grounding Program, Level 2 (VILT)	2	VILT	MS Teams	4,830	9	20	10						21/6-2/7		16-27			22/11 - 3/12	
65	SKG16.3 : Plant Performance Monitoring & Optimisation, Level 2	2	F2F (NR)	KL	4,000	10	25	3						15-17			1-3		1-3	
66	SKG16.3 : Plant Performance Monitoring & Optimisation, Level 2 (VILT)	2	VILT	MS Teams	2,180	9	15	3		2-4		7-9			5-7		1-3		1-3	
67	SKG16.3 : Safety in Process Design & Operations, Level 2	2	F2F (NR)	KL	5,020	10	25	4								24-27		4-7	14-17	
68	SKG16.3 : Safety in Process Design & Operations, Level 2 (VILT)	2	VILT	MS Teams	2,840	9	15	4			2-5					24-27		4-7	14-17	
69	SKG16.3 : Water Technology, Level 2 (Waste Water)	2	F2F (NR)	KL	3,830	9	20	2								19-20		7-8	25-26	
70	SKG16.3 : Water Technology, Level 2 (Waste Water) (VILT)	2	VILT	MS Teams	1,910	9	15	2			22-23					19-20		7-8	25-26	
71	SKG16.3 : Water Technology, Level 2 (Water Utility)	2	F2F (NR)	KL	5,340	9	20	4								23-26		11-15	29/11 – 2/12	
72	SKG16.3 : Water Technology, Level 2 (Water Utility) (VILT)	2	VILT	MS Teams	3,120	9	15	4		16-19						23-26		11-15	29/11 – 2/12	
Process Technology - Programmes for E2																				
73	SKG16.3 : Design of Water System, Level 3	3	F2F (NR)	KL	9,390	8	20	5									20-24			
74	SKG16.3 : Distillation Design & Operations, Level 3 (VILT)	3	VILT	MS Teams	2,890	7	25	3						16-18			1-3		1-3	
75	SKG16.3 : HAZOP Leader, Level 3	3	F2F (NR)	KL	4,600	9	20	3							28-30			27-29	1-3	
76	SKG16.3 : HAZOP Leader, Level 3 (VILT)	3	VILT	MS Teams	2,380	9	15	3	20-22		30/3 - 1/4									
77	SKG16.3 : Process Risk Assessment & Tools, Level 3	3	F2F (NR)	KL	4,210	7	20	2									9-10		16-17	
78	SKG16.3 : Process Risk Assessment & Tools, Level 3 (VILT)	3	VILT	MS Teams	2,380	9	15	2			9-10					11-12				



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SKG16: Process Operations

Programme Leader: Ahmad Yusuf B Hussain +609-668 6226 +6013-239 0864 yusuf.hussain@petronas.com.my			Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021													
										Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec		
SKG16.3 Process Technology																							
Process Safety - Programmes for E1																							
75	SKG16.3 : Grounding Program, L2		2	Refer to 16.3 (Process Technology) Calendar																			
76	SKG16.3 : Safety in Process Design & Operations, L2		2	Refer to 16.3 (Process Technology) Calendar																			
77	SKG16.3 : SKG18 Incident Investigation, L2		2	Refer to SKG18 Calendar																			
78	SKG16.3 : HAZOP Leader, L3		3	Refer to 16.3 (Process Technology) Calendar																			
Process Safety - Programmes for E2																							
79	SKG16.3 : Hazardous Area Classification, Level 2 (VILT)		2	VILT	MS Teams	2,830	9	15	3			8-10											
80	SKG16.3 : HAZID & What If Technique, Level 2		2	F2F (NR)	KL	4,210	7	20	2					17-18						2-3			
81	SKG16.3 : HAZID & What If Technique, Level 2 (VILT)		2	VILT	MS Teams	2,250	9	15	2			25-26								2-3			
82	SKG16.3 : LOPA, Level 2 (VILT)		2	VILT	MS Teams	2,940	9	15	2							12-13							
83	SKG16.3 : QRA & Consequence Modelling, Level 3		3	F2F (NR)	KL	7,800	5	20	3					14-16									



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									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG16.4 Plant Improvement & Optimisation																				
Advance Process Control - Programmes for E1																				
84	SKG16.4 : Grounding Program, L2	2	Refer to 16.3 (Process Technology) Calendar																	
85	SKG16.4 : Instrumentation for Process Control, Level 2	2	F2F (NR)	KL	4,300	6	20	3								25-27				
86	SKG16.4 : Introduction to Multivariable Predictive Control, Level 2 (VILT)	2	VILT	MS Teams	4,940	5	15	2							14-15					
87	SKG16.4 : MPC Implementation, Level 2	2	F2F (NR)	KL	7,260	6	20	4									21-24			
88	SKG16.4 : Process Control Theory and Application, Level 2	2	F2F (NR)	KL	7,250	9	20	5											22-26	
89	SKG16.4 : Process Control Theory and Application, Level 2 (VILT)	2	VILT	MS Teams	3,690	9	15	5				5-9							22-26	
90	SKG16.4 : Regression and First Principle Inference, Level 2	2	F2F (NR)	KL	7,490	6	20	4								17-20				
Advance Process Control - Programmes for E2																				
91	SKG16.4 : Advanced Technique in PID Control, Level 3	3	F2F (NR)	KL	12,130	5	20	4											30/11 – 3/12	
Process Simulation & Optimisation - Programmes for E1																				
92	SKG16.4 : Grounding Program, L2	2	Refer to 16.3 (Process Technology) Calendar																	
93	SKG16.4 : iCON Basic Training, Level 2	2	F2F (NR)	INSTEP*	6,530	12	20	5							26-30		20-24			13-17
94	SKG16.4 : iCON Basic Training, Level 2 (VILT)	2	VILT	MS Teams	3,220	9	15	5				29/3 – 2/4			26-30		20-24			13-17
95	SKG16.4 : Instrumentation for Process Control, L2	2	Refer to 16.4 (Advance Process Control) Calendar																	
96	SKG16.4 : Plant Performance Monitoring & Optimisation, L2	2	Refer to 16.3 (Process Technology) Calendar																	
97	SKG16.4 : Process Control Theory and Application, L2	2	Refer to 16.4 (Advance Process Control) Calendar																	
98	SKG16.4 : Regression and First Principle Inference, L2	2	Refer to 16.4 (Advance Process Control) Calendar																	
99	SKG16.4 : Surface Production Facilities – Oil/Water & Gas Handling, L2	2	Refer to 16.2 (Production Planning) Calendar																	
Process Simulation & Optimisation - Programmes for E2																				
100	SKG16.4 : Safety in Process Design & Operations, L2	2	Refer to 16.3 (Process Technology) Calendar																	
101	SKG16.4 : Advance Oil & Gas Handling (Surface), L3	3	Refer to 16.1 (Operations Management) Calendar																	
102	SKG16.4 : Advanced Simulation including Dynamics, L3	3	Upon Request (Click to Enquire)																	
103	SKG16.4 : Distillation Design & Operations, L3	3	Refer to 16.3 (Process Technology) Calendar																	

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SKG16: Process Operations

Programme Leader: Ahmad Yusuf B Hussain +609-668 6226 +6013-239 0864 yusuf.hussain@petronas.com.my		Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG16.5 Process Engineering/Design																				
Process Engineering - Programmes for E1																				
104	SKG16.5 : iCON Basic Training by GTS	2	Refer to 16.4 (Plant Simulation & Optimization) Calendar																	
105	SKG16.5 : PVT & EOS	2	F2F (NR)	KL	8,810	7	20	5						26-30						
106	SKG16.5 : Safety in Process Design & Operations, L2	2	Refer to 16.3 (Process Technology) Calendar																	
107	SKG16.5 : Surface Production Facilities - Oil/Water & Gas Handling, L2	2	Refer to 16.2 (Upstream) Calendar																	
108	SKG16.5 : Upstream Induction and Grounding Program	2	Upon Request (Click to Enquire)																	
Process Engineering - Programmes for E2																				
109	SKG16.5 : Advance Oil & Gas Handling (Surface), L3	3	Refer to 16.1 (Upstream) Calendar																	
110	SKG16.5 : HAZOP Leader, L3	3	Refer to 16.3 (Process Technology) Calendar																	
Process Design - Programmes for E1																				
111	SKG16.5 : iCON Basic Training by GTS	2	Refer to 16.4 (Plant Simulation & Optimization) Calendar																	
112	SKG16.5 : Process Control Theory and Application	2	Refer to 16.1 (Downstream) Calendar																	
113	SKG16.5 : Grounding Program, L2	2	Refer to 16.3 (Process Technology) Calendar																	
114	SKG16.5 : Safety in Process Design & Operations, L2	2	Refer to 16.3 (Process Technology) Calendar																	
115	SKG16.5 : Surface Production Facilities - Oil/Water & Gas Handling, L2	2	Refer to 16.2 (Production Planning) Calendar																	
Process Design - Programmes for E2																				
116	SKG16.5 : SKG13: Basic Apply of Ex-Equipment		Refer to SKG 13 Calendar																	
117	SKG16.5 : Distillation Design & Operations, L3	3	Refer to 16.3 (Process Technology) Calendar																	
118	SKG16.5 : Plant Performance Monitoring & Optimisation, L2	2	Refer to 16.3 (Process Technology) Calendar																	
119	SKG16.5 : Process Risk Assessment & Tools, L3	3	Refer to 16.3 (Process Technology) Calendar																	
120	SKG16.5 : HAZOP Leader, L3	3	Refer to 16.3 (Process Technology) Calendar																	

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SKG16: Process Operations

Programme Leader: Ahmad Yusuf B Hussain +609-668 6226 +6013-239 0864 yusuf.hussain@petronas.com.my		Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG16.6 Analytical and Product & Application Technology																				
Analytical Technology - Programmes for E1																				
121	SKG16.6 : Analytical Equipment: Chromatography and Spectroscopy Part 1 & 2, Level 2	2	F2F (NR)	Putrajaya	6,690	5	20	5											22-26	
122	SKG16.6 : Lab Safety, Level 2 (VILT)	2	VILT	MS Teams	3,570	5	10	4						8-11						
123	SKG16.6 : Method and Standards for Sampling and Testing, Level 2 (VILT)	2	VILT	MS Teams	3,570	6	10	4					6-9							
Analytical Technology - Programmes for E2																				
124	SKG16.6 : Statistics, Calibration and Method Validation, Level 2	2	F2F (NR)	KL	6,710	6	20	4											16-19	
125	SKG16.6 : Advanced Atomic Absorption, Level 3	3	F2F (NR)	Putrajaya	7,000	7	20	5							26-30					
126	SKG16.6 : Advanced Gas Chromatography, Level 3	3	F2F (NR)	Putrajaya	6,400	5	20	5									6-10			
127	SKG16.6 : Advanced XRF Training, Level 3	3	F2F (NR)	Kerteh	9,530	5	20	3												6-8
Product Application Support (Polymer) - Programmes for E1																				
128	SKG16.6 : Basic Polymer Analysis, L1	1	Upon Request (Click to Enquire)																	
129	SKG16.6 : Additive Technology, L2	2																		
130	SKG16.6 : Basic Product Characterisation, L2	2																		
131	SKG16.6 : Extrusion Technology, L2	2																		
132	SKG16.6 : Moulding & Film Technology, L2	2																		
133	SKG16.6 : Process Technology, L2	2																		
134	SKG16.6 : Statistical Process Control, L2	2																		
Product Application Support (Polymer) - Programmes for E2																				
135	SKG16.6 : Additive Technology, L3	3	Upon Request (Click to Enquire)																	
136	SKG16.6 : Failure Analysis, L3	3																		
137	SKG16.6 : Polymer Analysis, L3	3																		
138	SKG16.6 : Polymer Rheology and Extrusion, L3	3																		
139	SKG16.6 : Polymer Structure, Properties & Application, L3	3																		

SKG18: Health, Safety & Environment Programme

Programme Leader: Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.sb@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG18 : Permit to Work (VILT)	3	VILT	MS Teams	1,900	10	10	2	Upon Request (Click to Enquire)											
SKG18 : HSE Generic for E1																				
2	SKG18 : Emergency Management, L2	2	F2F (NR)	KL	2,270	15	20	2												
3	SKG18 : Emergency Management, L2 (VILT)	2	VILT	MS Teams	1,900	15	20	2	6-7			14-15					1-2			1-2
4	SKG18 : Environmental Management, L2	2	F2F (NR)	KL	2,700	10	15	3												
5	SKG18 : Environmental Management, L2 (VILT)	2	VILT	MS Teams	1,480	10	15	3			16-18			22-24			13-15			
6	SKG18 : First Line HSEMS Assurance, L2	2	F2F (NR)	KL	2,480	15	20	2												
7	SKG18 : First Line HSEMS Assurance, L2 (VILT)	2	VILT	MS Teams	1,900	15	20	2			30-31				1-2			27-28		
8	SKG18 : Fundamental of OH and IH, L2	2	F2F (NR)	KL	2,700	10	15	3												
9	SKG18 : Fundamental of OH and IH, L2 (VILT)	2	VILT	MS Teams	1,480	10	15	3			29-31				5-7			20-22		
10	SKG18 : HSE Management System (HSEMS), L2	2	F2F (NR)	KL	3,880	15	20	4												
11	SKG18 : HSE Management System (HSEMS), L2 (VILT)	2	VILT	MS Teams	2,970	15	20	4	11-14	22-26	15-18			14-17		2-5	6-9	4-7	15-18	6-9
12	SKG18 : Incident Investigation, L2	2	F2F (NR)	KL	2,270	15	20	2												
13	SKG18 : Incident Investigation, L2 (VILT)	2	VILT	MS Teams	1,900	15	20	2		17-18			3-4			23-24	27-28			13-14
14	SKG18 : Management of Contractor HSE, L2	2	F2F (NR)	KL	2,270	15	20	2												
15	SKG18 : Management of Contractor HSE, L2 (VILT)	2	VILT	MS Teams	1,900	15	20	2			2-3			29-30			29-30			15-16
16	SKG18 : Management of Hazardous Chemicals and Waste, L2	2	F2F (NR)	KL	2,700	15	20	3							13-15					
17	SKG18 : Management of Hazardous Chemicals and Waste, L2 (VILT)	2	VILT	MS Teams	1,480	15	20	3			24-26							12-14		
18	SKG18 : Safe System of Work, L2	2	F2F (NR)	KL	3,070	15	20	3												
19	SKG18 : Safe System of Work, L2 (VILT)	2	VILT	MS Teams	2,620	15	20	3		2-4			25-27			11-13			8-10	

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SKG18: Health, Safety & Environment Programme

Programme Leader: Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.sb@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG18.1.1 : Operation Safety																				
20	SKG18 : Fire Protection & Prevention, L3	3	F2F (NR)	KL	2,570	15	20	3												
21	SKG18 : Fire Protection & Prevention, L3 (VILT)	3	VILT	MS Teams	1,480	15	20	3				6-8				17-19				21-23
22	SKG18 : Managing Major Hazard, L3	3	F2F (NR)	KL	2,510	15	15	2												
23	SKG18 : Managing Major Hazard, L3 (VILT)	3	VILT	MS Teams	1,320	15	15	2				21-22							9-10	
24	SKG18 : Operational Safety Management (OSM), L3	3	F2F (NR)	KL	3,450	10	10	3												
25	SKG18 : Operational Safety Management (OSM), L3 (VILT)	3	VILT	MS Teams	1,770	10	10	3		23-25					27-29				23-25	
26	SKG18 : Process Safety Management (PSM), L3	3	F2F (NR)	KL	3,310	10	10	3												
27	SKG18 : Process Safety Management (PSM), L3 (VILT)	3	VILT	MS Teams	1,770	10	10	3				20-22					21-23			



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SKG18: Health, Safety & Environment Programme

Programme Leader: Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.sb@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG18.1.3 : Fire Safety																				
28	SKG18 : Fire Risk Assessment (FRA), L3	3	F2F (NR)	KL	2,190	10	10	3											16-18	
29	SKG18 : Fire Risk Assessment (FRA), L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3						28-30					16-18	
30	SKG18 : Fire Protection & Prevention, L3	3	F2F (NR)	KL	2,570	15	20	3	Refer to SKG18.1.1 Operation Safety											
31	SKG18 : Managing Major Hazard, L3	3	F2F (NR)	KL	2,510	15	15	2												
32	SKG18 : Operational Safety Management (OSM), L3	3	F2F (NR)	KL	3,450	10	10	3												
33	SKG18 : Process Safety Management (PSM), L3	3	F2F (NR)	KL	3,310	10	10	3												
SKG18.1.4 : Land Transportation Safety																				
34	SKG18 : Fire Protection & Prevention, L3	3	F2F (NR)	KL	2,570	15	20	3	Refer to SKG18.1.1 Operation Safety											
35	SKG18 : Operational Safety Management (OSM), L3	3	F2F (NR)	KL	3,450	10	10	3												
SKG18.2 : Environment																				
36	SKG18 : Air Emission Management, L3	3	F2F (NR)	KL	2,570	10	10	3												
37	SKG18 : Air Emission Management, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3								21-23				
38	SKG18 : Environmental Risk Assessment EAI & HER, L3	3	F2F (NR)	KL	2,070	10	10	2												
39	SKG18 : Environmental Risk Assessment EAI & HER, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	2							7-8					
40	SKG18 : GHG Inventory & Reporting, L3	3	F2F (NR)	KL	2,070	10	10	2	Upon Request (Click to Enquire)											
41	SKG18 : GHG Inventory & Reporting, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	2				7-8				18-19				
42	SKG18 : Project Environment Management, L3	3	F2F (NR)	KL	2,570	10	10	3												
43	SKG18 : Project Environment Management, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3								24-26				
44	SKG18 : Spill Management, L3	3	F2F (NR)	KL	2,570	10	10	3												
45	SKG18 : Spill Management, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3							27-29					
46	SKG18 : Water & Wastewater Management, L3	3	F2F (NR)	KL	2,570	10	10	3												
47	SKG18 : Water & Wastewater Management, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3									7-9			

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SKG18: Health, Safety & Environment Programme

Programme Leader: Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.sb@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
SKG18.3 : Industrial Hygiene																				
48	SKG18 : Engineering & Control Technology, L3	3	F2F (NR)	KL	2,570	10	10	3	Upon Request (Click to Enquire)											
49	SKG18 : Engineering & Control Technology, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3				6-8				3-5				
50	SKG18 : Ergonomics & Workplace Design, L3	3	F2F (NR)	KL	2,570	10	10	3												
51	SKG18 : Ergonomics & Workplace Design, L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3										5-7		
52	SKG18 : Health Risk Assessment (HRA), L3	3	F2F (NR)	KL	2,570	10	10	3	Upon Request (Click to Enquire)											
53	SKG18 : Health Risk Assessment (HRA), L3 (VILT)	3	VILT	MS Teams	1,480	10	10	3						15-17				13-15		
54	SKG18 : SHOC & HCA TTT, L3	3	F2F (NR)	KL	3,500	10	10	4												
55	SKG18 : SHOC & HCA TTT, L3 (VILT)	3	VILT	MS Teams	2,370	10	10	4											15-18	
SKG18 : HSE Supplementary																				
56	SKG18 : Behavioural Safety, L3	3	F2F (NR)	KL	3,080	10	10	2	Upon Request (Click to Enquire)											
57	SKG18 : Behavioural Safety, L3 (VILT)	3	VILT	MS Teams	1,900	10	10	2			8-9		19-20					20-21		
58	SKG18 : Human Factors in Operation and Maintenance, L2	2	F2F (NR)	KL	2,510	10	10	2												
59	SKG18 : Human Factors in Operation and Maintenance, L2 (VILT)	2	VILT	MS Teams	1,320	10	10	2										27-28		
60	SKG18 : Inherent Safety, L3	3	F2F (NR)	KL	3,080	10	10	2	Upon Request (Click to Enquire)											
61	SKG18 : Inherent Safety, L3 (VILT)	3	VILT	MS Teams	1,900	10	10	2		8-9										
SKG18 : HSE Level 1																				
62	SKG18 : HSE Elements Awareness	1	F2F (NR)	KL	1,980	10	20	1												
63	SKG18 : HSE Elements Awareness (VILT)	1	VILT	MS Teams	900	10	20	1						3				26		*10



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SKG19: Project Management

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG19 : Project Management Professional (PMP) Certification	N/A	F2F (NR)	KL	6,650	20	25	5				5-9						4-8		
2	SKG19 : PM3 Project Time Management, L1	1	F2F (NR)	KL	1,710	20	25	2						14-15		2-3				
3	SKG19 : PM3 Project Time Management, L1 (VILT)	1	VILT	MS Teams	1,560	15	20	2				13-14				2-3				
4	SKG19 : PM4 Project Cost Management, L1	1	F2F (NR)	KL	1,710	20	25	2						16-17		4-5				
5	SKG19 : PM4 Project Cost Management, L1 (VILT)	1	VILT	MS Teams	1,560	15	20	2				15-16				4-5				
6	SKG19 : Process Schematic and P&ID, L1	1	F2F (NR)	INSTEP*	2,700	20	25	3							6-8	3-5				
7	SKG19 : Project Management Essentials, L1	1	F2F (NR)	KL	4,950	20	25	5						14-18			20-24		8-12	
8	SKG19 : Project Management Essentials, L1 (VILT)	1	VILT	MS Teams	3,200	15	20	5			22-26						20-24			
9	SKG19 : Safety Process Design Application in Plant Commissioning & Start-Up (SPDA), L1	1	F2F (NR)	INSTEP*	2,700	20	25	3										5-7		
10	SKG19 : Safety Process Design Application in Plant Commissioning & Start-Up (SPDA), L1 (VILT)	1	VILT	MS Teams	2,080	10	15	3						15-17				5-7		
11	SKG19 : SIMOPS, L1 (VILT)	1	VILT	MS Teams	770	15	20	2			24-25					4-5				
12	SKG19 : PM1 Project Integration Management, L2	2	F2F (NR)	KL	2,210	20	25	2						29-30			1-2			
13	SKG19 : PM1 Project Integration Management, L2 (VILT)	2	VILT	MS Teams	1,560	15	20	2			29-30						1-2			
14	SKG19 : PM2 Project Scope Management, L2	2	F2F (NR)	KL	2,210	20	25	2	Upon Request (Click to enquire)											
15	SKG19 : PM2 Project Scope Management, L2 (VILT)	2	VILT	MS Teams	1,560	15	20	2				1-2			5-6		13-14			
16	SKG19 : PM3 Project Time Management, L2	2	F2F (NR)	KL	2,210	20	25	2						21-22				4-5		
17	SKG19 : PM3 Project Time Management, L2 (VILT)	2	VILT	MS Teams	1,560	15	20	2				19-20				17-18				
18	SKG19 : PM4 Project Cost Management, L2	2	F2F (NR)	KL	2,210	20	25	2						23-24				6-7		
19	SKG19 : PM4 Project Cost Management, L2 (VILT)	2	VILT	MS Teams	1,560	15	20	2						16-17				6-7		
20	SKG19 : PM5 Project Quality Management, L2	2	F2F (NR)	KL	2,210	20	25	2											15-16	

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SKG19: Project Management

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
21	SKG19 : PM5 Project Quality Management, L2 (VILT)	2	VILT	MS Teams	1,560	10	15	2			16-17				26-27		20-21			
22	SKG19 : PM6 Project Organisation & Manning Management, L2	2	F2F (NR)	KL	2,210	15	25	2						8-9				25-26		
23	SKG19 : PM6 Project Organisation & Manning Management, L2 (VILT)	2	VILT	MS Teams	1,560	10	15	2				5-6				16-17		27-28		
24	SKG19 : PM7 Project Communication Management, L2	2	F2F (NR)	KL	2,210	15	25	2						10-11				27-28		
25	SKG19 : PM7 Project Communication Management, L2 (VILT)	2	VILT	MS Teams	1,560	10	15	2				7-8				18-19				
26	SKG19 : PM8 Project Risk Management, L2	2	F2F (NR)	KL	2,210	20	25	2				5-6				18-19				
27	SKG19 : PM8 Project Risk Management, L2 (VILT)	2	VILT	MS Teams	1,560	10	15	2				19-20			12-13		6-7			
28	SKG19 : PM9 Project Procurement Management, L2	2	F2F (NR)	KL	2,210	20	25	2										17-18		
29	SKG19 : PM9 Project Procurement Management, L2 (VILT)	2	VILT	MS Teams	1,560	10	15	2						21-22	28-29		22-23			
30	SKG19 : PM10 Project HSE Management, L2	2	F2F (NR)	KL	2,210	20	25	2				7-8								
31	SKG19 : PM10 Project HSE Management, L2 (VILT)	2	VILT	MS Teams	1,560	10	15	2				21-22			14-15		8-9			
32	SKG19 : Turnaround Management L1/L2	2	F2F (NR)	KL	2,260	15	20	2								4-5				
33	SKG19 : PM1 Project Integration Management, L3	3	F2F (NR)	KL	1,550	20	25	1				5						11		
34	SKG19 : PM1 Project Integration Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1				19			5					
35	SKG19 : PM2 Project Scope Management, L3	3	F2F (NR)	KL	1,550	20	25	1				6						12		
36	SKG19 : PM2 Project Scope Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1				20			6					
37	SKG19 : PM3 Project Time Management, L3	3	F2F (NR)	KL	1,550	20	25	1							12		27			
38	SKG19 : PM3 Project Time Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1			22				12					
39	SKG19 : PM4 Project Cost Management, L3	3	F2F (NR)	KL	2,210	20	25	2							13-14		28-29			
40	SKG19 : PM4 Project Cost Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	2			24-25						28-29			
41	SKG19 : PM5 Project Quality Management, L3	3	F2F (NR)	KL	1,550	20	25	1									30			
42	SKG19 : PM5 Project Quality Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1			18				29					
43	SKG19 : PM6 Project Organisation & Manning Management, L3	3	F2F (NR)	KL	1,550	15	25	1				7						13		
44	SKG19 : PM6 Project Organisation & Manning Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1				21			8					
45	SKG19 : PM7 Project Communication Management, L3	3	F2F (NR)	KL	1,550	15	25	1				8						14		

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SKG19: Project Management

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
46	SKG19 : PM7 Project Communication Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1				22			*9					
47	SKG19 : PM8 Project Risk Management, L3	3	F2F (NR)	KL	1,550	20	25	1										22		
48	SKG19 : PM8 Project Risk Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1			22					23				
49	SKG19 : PM9 Project Procurement Management, L3	3	F2F (NR)	KL	2,210	20	25	2										23-24		
50	SKG19 : PM9 Project Procurement Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	2			23-24					24-25				
51	SKG19 : PM10 Project HSE Management, L3	3	F2F (NR)	KL	1,550	20	25	1										25		
52	SKG19 : PM10 Project HSE Management, L3 (VILT)	3	VILT	MS Teams	1,010	10	15	1			25					26				
53	SKG19 : Turnaround Management, L3	3	F2F (NR)	KL	2,260	15	20	2									1-2			



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SKG25: Drilling

Programme Leader: Mohamad Muaz Bin Abdul Rasid +609-668 6148 +6016-656 9468 mohamadmuaz.abdrasi@petronas.com.my									2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG25 : Borehole Survey & Survey Management Training, L2 (VILT)	2	VILT	MS Teams	1,560	10	20	3		8 - 10				8 - 10						
2	SKG25 : Casing Materials and Connection Selection, L2 (VILT)	2	VILT	MS Teams	1,910	10	20	5			22- 26									
3	SKG25 : Cementing, L2 (VILT)	2	VILT	MS Teams	2,220	5	20	5		15 - 19				21 - 25		16-20				
4	SKG25 : Coiled Tubing Operation, L2 (VILT)	2	VILT	MS Teams	7,600	10	20	5										11 - 15		
5	SKG25 : Deepwater Drilling, L2 (VILT)	2	VILT	MS Teams	9,580	10	20	5									20-29			
6	SKG25 : Drilling & Completion Fluids, L2 (VILT)	2	VILT	MS Teams	1,350	5	20	5									20 - 24			
7	SKG25 : Drilling for Non-Driller, L2 (VILT)	2	VILT	MS Teams	3,770	5	10	2								23-24			1-2	
8	SKG25 : Electric Line Operation, L2 (VILT)	2	VILT	MS Teams	3,310	10	20	3									13 - 15			
9	SKG25 : Extended Reach Drilling, L2 (VILT)	2	VILT	MS Teams	7,730	5	20	3							27-29			25-27		
10	SKG25 : Fundamental of Drilling Operation, L2	2	F2F (R)	INSTEP*	16,270	8	10	10										4 - 15		
11	SKG25 : Introduction to Casing Design Concept, L2 (VILT)	2	VILT	MS Teams	3,100	5	20	3							13 - 15				1-3	
12	SKG25 : Manage Pressure Drilling (MPD), L2 (VILT)	2	VILT	MS Teams	1,420	5	20	2							5 - 6				9-10	
13	SKG25 : Plug & Abandonment Awareness, L2 (VILT)	2	VILT	MS Teams	2,940	6	20	2					24 - 25				13 - 14			
14	SKG25 : Pore Pressure Prediction & Mechanical Borehole Stability, L2 (VILT)	2	VILT	MS Teams	9,490	5	20	5									6 - 10			
15	SKG25 : Real Time Drilling (RTO), L2 (VILT)	2	VILT	MS Teams	2,340	8	15	5										25-29		
16	SKG25 : Rig Equipment Inspection, L2 (VILT)	2	VILT	MS Teams	10,900	10	20	5								16-24				
17	SKG25 : Slickline Operation, L2	2	F2F (NR)	Labuan	7,150	10	12	5										25 - 29		
18	SKG25 : Well Completion, L2 (VILT)	2	VILT	MS Teams	1,790	5	20	5								23-27				

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SKG25: Drilling

Programme Leader: Mohamad Muaz Bin Abdul Rasid +609-668 6148 +6016-656 9468 mohamadmuaz.abdrasi@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
19	SKG25 : Well Engineering Software Application, L2 (VILT)	2	VILT	MS Teams	2,770	8	15	5									27/9 - 1/10	4-8 11-15		
20	SKG25 : Well Engineering, L2 (VILT)	2	VILT	MS Teams	7,290	5	20	5											8 - 12	
21	SKG25 : Well Integrity & Intervention , L2 (VILT)	2	VILT	MS Teams	6,110	10	20	4				29/3 - 2/4				12 - 16	30/8 - 3/9			
22	SKG25 : Wellhead Preventive Maintenance, L2	2	F2F (NR)	Miri	7,480	8	12	3											29/11 - 1/12	
23	SKG25 : Advanced Cementing, L3 (VILT)	3	VILT	MS Teams	1,350	5	20	5										11-15		
25	SKG25 : Advanced Well Completion, L3 (VILT)	3	VILT	MS Teams	2,010	5	20	5											15 - 19	
28	SKG25 : IWCF Well Control, L2 (VILT)	2	VILT	MS Teams	5,900	6	6	5	Upon Request (Click to Enquire)											
29	SKG25 : HPHT, L2 (VILT)	2	VILT	MS Teams	11,650	10	20	5												
30	SKG25 : HSE in Drilling, L2 (VILT)	2	VILT	MS Teams	2,330	8	20	5												
31	SKG25 : IADC WellSHARP, L2 (VILT)	2	VILT	MS Teams	6,980	6	6	5												
32	SKG25 : IWCF Well Pressure Control, L3 & 4 (VILT)	3 & 4	VILT	MS Teams	6,980	6	6	5												
33	SKG25 : IWCF Well Control Supervisory, L4 (VILT)	4	VILT	MS Teams	6,980	6	6	5												



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Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level	Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG27 : Introduction to Agile Methodology (VILT)	N/A	VILT	MS Teams	45	100	250	1			26		21		16		3			
2	SKG27 : Applying Professional Scrum (APS) (VILT)	1	VILT	MS Teams	2,990	15	25	4	Upon Request (Click to enquire)											
3	SKG27 : Professional Scrum Master I (PSM I) (VILT)	1	VILT	MS Teams	2,990	15	25	4		8-10 16-19		12-15		14-17		2-5				
4	SKG27 : Professional Scrum Master II (PSM II) (VILT)	2	VILT	MS Teams	3,520	15	25	4	Upon Request (Click to enquire)											
5	SKG27 : Professional Scrum Product Owner (PSPO) (VILT)	1	VILT	MS Teams	2,990	15	25	4					24-28		5-8					
6	SKG27 : Professional Scrum Product Owner – Advanced (PSPO-A) (VILT)	2	VILT	MS Teams	4,540	15	25	4	Upon Request (Click to enquire)											
7	SKG27 : Professional Scrum with User Experience (PSU) (VILT)	1	VILT	MS Teams	3,520	15	25	4							26-29					
8	SKG27 : Scaled Agile Framework - Leading SAFe (VILT)	1	VILT	MS Teams	3,520	15	25	4	Upon Request (Click to enquire)											



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SKG Others: Upstream Commercial Courses

Programme Leader: M Hafiz Khairudin +609-668 6102 +6017-582 8368 mhafiz.khairudin@petronas.com.my		Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	SKG Others : Advance Commercial Negotiation (VILT)	VILT	MS Teams	1,045	6	10	5										4-8		
2	SKG Others : Upstream Commercial Case Studies (VILT)	VILT	MS Teams	3,390	9	18	3							6-8		13-15			
3	SKG Others : Upstream Commercial Core Programme (VILT)	VILT	MS Teams	1,620	8	14	11		22/3 - 8/3	22/3 - 5/4			14-28		16-30			8-22	
4	SKG Others : Upstream Commercial Fundamentals (VILT)	VILT	MS Teams	480	6	10	2		3-4 17-18	9-10	7-8		29-30	14-15	11-12	8-9			



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INSTITUT TEKNOLOGI PETROLEUM PETRONAS

Net Upgrading (NET UPG)

"Experiencing is Enriching"

NET UPG: Exploration & Production (E&P)

Programme Leader : Elias Abllah +6012-717 6903 elias.abllah@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET E&P : Basic Petroleum Prod, Transportation & Processes	x			x	x	x			F2F (NR)	KL	3,340	8	20	3		22-24										
2	NET E&P : Gas Compression and Compressor Operation & Control (VILT)	x			x	x	x			VILT	MS Teams	1,870	10	20	3				5-7								
3	NET E&P : Gas Dehydration and Regeneration System (VILT)	x			x	x	x			VILT	MS Teams	1,870	8	20	3					14-16							
4	NET E&P : Gas Lift Operations and Optimisation	x			x	x	x			F2F (NR)	KL	3,340	8	20	3			15-17									
5	NET E&P : Petroleum Liquid and Gas Properties	x			x	x	x			F2F (NR)	KL	3,340	8	20	3						12-14						
6	NET E&P : Pipe, Valve, Fitting and P&ID	x			x	x	x			F2F (NR)	KL	3,340	8	20	3							16-18					
7	NET E&P : Produced Water Treatment System on the Platform	x			x	x	x			F2F (NR)	KL	3,340	8	20	3								20-22				
8	NET E&P : Water Injection System	x			x	x	x			F2F (NR)	KL	3,340	8	20	3									11-13			
9	NET E&P : Wellhead and Production Header System	x			x	x	x			F2F (NR)	KL	3,340	8	20	3										8-10		



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NET UPG: Petroleum Industry Programme (PIP)

Programme Leader : Elias Abillah +6012-717 6903 elias.abillah@petronas.com.my		Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET PIP : Introduction to Petroleum Technology (VILT)	VILT	MS Teams	2,210	9	15	4		22-25		5-8				23-26				20-23
2	NET PIP : Overview of Petroleum Industry	F2F (NR)	INSTEP*	3,860	8	15	3	Upon Request (Click to Enquire)											



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NET UPG: Process & Analytical (P&A) – Process Operations

Programme Leader : Elias Abillah +6012-717 6903 elias.abillah@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET P&A : Compressor, Fan and Blowers: Operation and Care		x		x	x	x			F2F (NR)	KL	4,200	8	20	3				5-7			5-7			4-6		
2	NET P&A : Cooling Water		x		x	x	x			F2F (NR)	KL	4,200	8	20	3		8-10				21-23					13-15	
3	NET P&A : Filter and Strainer: Operation and Care		x		x	x	x			F2F (NR)	KL	3,100	8	20	2			1-2			12-13						
4	NET P&A : Furnace		x		x	x	x			F2F (NR)	KL	3,100	8	20	2			8-9				2-3				6-7	
5	NET P&A : Gas Turbine: Operation and Care (VILT)		x		x	x	x			VILT	MS Teams	1,140	6	20	3				5-7				6-8			20-22	
6	NET P&A : Heat Exchangers: Operation and Care		x		x	x	x			F2F (NR)	KL / Kerteh	4,200	8	20	3		22-24 (Kerteh)				28-30 (KL)			11-13 (KL)			
7	NET P&A : Piping and Valves		x		x	x	x			F2F (NR)	KL / Kerteh	4,200	8	20	3		8-10 (Kerteh)				21-23 (KL)					20-22 (KL)	
8	NET P&A : Plant Air Systems		x		x	x	x			F2F (NR)	KL	3,100	8	20	2						1-2				8-9		
9	NET P&A : Pump Operation and Care		x		x	x	x			F2F (NR)	KL / Kerteh	4,200	8	20	3				5-7 (Kerteh)			26-28 (KL)				13-15 (KL)	
10	NET P&A : Reactor: Operation and Care		x		x	x	x			F2F (NR)	KL	4,200	8	20	3			22-24					13-15				
11	NET P&A : Steam Turbine: Operation & Care		x		x	x	x			F2F (NR)	KL	4,200	8	20	3								20-22			28-30	
12	NET P&A : Tankage and Storage		x		x	x	x			F2F (NR)	KL	4,200	8	20	3			5-7					27-29		22-24		
13	NET P&A : Terminal Operation		x		x	x	x			F2F (NR)	KL	3,100	8	20	2						1-2			25-26			
14	NET P&A : Terminal Operation (VILT)		x		x	x	x			VILT	MS Teams	530	10	25	2							16-17					
15	NET P&A : Utility: Flare, LDS & Fuel Gas System (VILT)		x		x	x	x			VILT	MS Teams	1,140	6	20	3			15-17				16-18			1-3		
16	NET P&A : Water and Wastewater Treatment System		x		x	x	x			F2F (NR)	KL / Kerteh	4,200	8	20	3		2-4 (KL)					23-25 (Kerteh)			15-17 (KL)		
17	NET P&A : Distillation Principles (Pilot Plant and CBT)			x				x		F2F (NR)	INSTEP*	3,180	8	15	3	25-27					5-7			4-6			
18	NET P&A : Fundamentals Process Control System Engineering			x				x		F2F (NR)	INSTEP*	3,500	8	15	4	18-21						12-15			11-14		
19	NET P&A : Separation Process			x				x		F2F (NR)	KL	3,100	8	20	2							23-24			8-9		

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NET UPG: Process & Analytical (P&A) – Laboratory

Programme Leader : Elias Abillah +6012-717 6903 elias.abillah@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET P&A : Fundamental of Analysis and Hydrocarbon Chemistry		x		x	x	x			F2F (NR)	KL	3,100	8	20	2											1-2	
2	NET P&A : Inventory and Record		x		x	x	x			F2F (NR)	KL	3,100	8	20	2								6-7				
3	NET P&A : Laboratory Safety (VILT)		x		x	x	x			VILT	MS Teams	1,870	6	20	3			15-17									
4	NET P&A : Physical and Biological Techniques		x		x	x	x			F2F (NR)	KL	4,200	8	20	3												6-8
5	NET P&A : Reagent Preparation and Standardisation		x		x	x	x			F2F (NR)	KL	2,740	8	20	2				5-6								
6	NET P&A : Sample Management and Field Testing		x		x	x	x			F2F (NR)	KL	4,200	8	20	3							5-7					
7	NET P&A : Spectroscopy Technique Analysis		x		x	x	x			F2F (NR)	Melaka	4,200	8	20	3			1-3									
8	NET P&A : Titration and Electrochemistry		x		x	x	x			F2F (NR)	Kerteh	4,200	8	20	3										4-6		
9	NET P&A : Water & Wastewater Analysis		x		x	x	x			F2F (NR)	INSTEP*	3,180	8	20	3		8-10										
10	NET P&A : Calibration Requirements of Laboratory Equipment			x			x	x		F2F (NR)	KL	4,200	8	20	3											8-10	
11	NET P&A : Maintenance and Troubleshooting of Gas Chromatograph			x			x	x		F2F (NR)	INSTEP*	3,910	8	20	3								23-25				
12	NET P&A : Principles and Calibration of Gas Chromatograph			x			x	x		F2F (NR)	KL	4,200	8	20	3						28-30						



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Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET CIVIL : HSE, Civil Management & Documentation	x	x	x	x	x	x			F2F (NR)	KL	3,350	5	15	2						22-23		2-3				
2	NET CIVIL : Painting & Heat Protection Technology	x	x	x	x	x	x			F2F (NR)	KL	3,350	5	15	2				5-6				17-18				
3	NET CIVIL : Road, Sewerage and General Services Technology	x	x	x	x	x	x			F2F (NR)	KL	3,700	5	15	3						15-17			28-30			
4	NET CIVIL : Scaffolding Appreciation	x	x	x	x	x	x			F2F (NR)	INSTEP*	3,030	5	15	3							5-7			25-27		
5	NET CIVIL : Scaffolding Appreciation (VILT)	x	x	x	x	x	x			VILT	MS Teams	1,110	5	9	2							28-29			25-26		
6	NET CIVIL : Structural Work and Maintenance Technology	x	x	x	x	x	x			F2F (NR)	KL	3,350	5	15	2			24-25				13-14		6-7			

NET UPG: Mechanical & Inspection (M&I)

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021												
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
1	NET MECH : Advanced NDT method: Eddy Current		N/A						F2F (NR)	Shah Alam	4,200	12	20	4											22 - 25			
2	NET MECH : Alignment Principles & Technology			x	x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3				6 - 8					27-29					
3	NET MECH : Basic Principles of Rotating Equipment						x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3									26- 28				
4	NET MECH : Basic Principles of Rotating Equipment (VILT)							x	x	x	VILT	MS Teams with Live Demonstration	2,440	5	9	3		16-18										
5	NET MECH : Bearing Technology and Maintenance					x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3					22 - 24					23 - 25			
6	NET MECH : Centrifugal Gas Compressor									F2F (NR)	INSTEP*	3,090	10	15	4										8 - 11			
7	NET MECH : Condition Monitoring of Rotary Equipment							x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3	Upon Request (Click to enquire)											
8	NET MECH : Corrosion Control and Monitoring							x	x	x	F2F (NR)	KL / Kerteh	3,470	12	20	3					6 - 8				20 - 22			
9	NET MECH : Corrosion Control and Monitoring (VILT)								x	x	x	VILT	MS Teams	1,880	5	9	3					12-14				12-14		
10	NET MECH : Destructive Testing								x	x	x	F2F (NR)	INSTEP*	2,180	10	15	2								5 - 6			
11	NET MECH : Diesel engine: Operation & Maintenance								x	x	x	F2F (NR)	KL / Kerteh	3,580	15	20	4					14-17			4 - 7			
12	NET MECH : Equipment Balancing								x	x	x	F2F (NR)	Kerteh	3,100	12	15	3							23 - 25				
13	NET MECH : Gas turbine: Operation and Maintenance				x	x	x	x	x	F2F (NR)	Kuantan / Kerteh	3,820	13	20	4						28/6 – 1/7		6 - 9					
14	NET MECH : Gas turbine: Operation and Maintenance (VILT)				x	x	x	x	x	VILT	MS Teams	2,340	5	9	4				5 - 8			2-5						
15	NET MECH : Hydraulic Systems: Operation, Troubleshooting & Maintenance						x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3					14 - 16			8-10				
16	NET MECH : Liquid Penetrant Testing (PT)								x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3						26 - 28					
17	NET MECH : Lubrication and Filtration								x	x	x	F2F (NR)	Melaka / Kerteh	3,510	15	20	3				24 - 26			20 - 22				
18	NET MECH : Lubrication and Filtration (VILT)								x	x	x	VILT	MS Teams	1,880	5	9	3				19-21							
19	NET MECH : Magnetic Particle Testing (MT)								x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3						16 - 18					
20	NET MECH : Mechanical Seal Maintenance and Troubleshooting				x	x	x	x	x	F2F (NR)	KL / Kerteh	3,380	15	20	3							27-29		11 - 13				

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NET UPG: Mechanical & Inspection (M&I)

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTF)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
21	NET MECH : Non-Destructive Testing	N/A					x	x	x	F2F (NR)	INSTEP*	2,680	10	15	4						1-4					8-11	
22	NET MECH : Painting and Coating Inspection							x		F2F (NR)	INSTEP*	2,180	10	15	2											2 - 3	
23	NET MECH : Pneumatic Systems: Operation, Troubleshooting & Maintenance					x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3							13-15					
24	NET MECH : Positive Displacement Pump		x	x	x	x	x	x	x	F2F (NR)	INSTEP*	2,180	10	15	2								11 - 12				
25	NET MECH : Precision Measurement Tools and Bench Fittings				x	x	x	x	x	F2F (NR)	INSTEP*	2,900	10	15	4				5-8						11-14		
26	NET MECH : Precision Practical Alignment		x	x	x	x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3								16 - 18				
27	NET MECH : Pressure Relieving Devices					x	x	x	x	F2F (NR)	INSTEP*	2,180	10	15	2							1 - 2					
28	NET MECH : Pump Troubleshooting					x	x	x	x	F2F (NR)	INSTEP*	2,180	10	15	2									8 - 9			
29	NET MECH : Pump Troubleshooting (VILT)					x	x	x	x	VILT	MS Teams	1,430	5	9	2			24-25									
30	NET MECH : Quality Control					x	x	x	x	F2F (NR)	KL	3,470	15	20	3								24 - 26				
31	NET MECH : Quality Control (VILT)					x	x	x	x	VILT	MS Teams	1,880	5	9	3				12-14								
32	NET MECH : Quality Control of Rotating Equipment					x	x	x	x	F2F (NR)	INSTEP*	2,200	10	15	3					25 - 27				6-8			
33	NET MECH : Quality Control of Rotating Equipment (VILT)					x	x	x	x	VILT	MS Teams	1,880	5	9	3				5-7				17-19				
34	NET MECH : Reciprocating Compressor		x	x	x	x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3							5 - 7					
35	NET MECH : Reciprocating Compressor (VILT)		x	x	x	x	x	x	x	VILT	MS Teams	1,880	5	9	3			29-31						5-7			
36	NET MECH : Single Stage Centrifugal Pump				x	x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3					24 - 26					8-10		
37	NET MECH : Single Stage Steam Turbine				x	x	x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3						8 - 10				4-6		
38	NET MECH : Single Stage Steam Turbine (VILT)				x	x	x	x	x	VILT	MS Teams	1,880	5	9	3				20-22					4-6			
39	NET MECH : Tank Maintenance and Repair		x	x	x	x	x	x	x	F2F (NR)	INSTEP*	3,340	10	15	4					24 - 27					8-11		
40	NET MECH : Troubleshooting Technique of Rotating Equipment		x	x	x	x	x	x	x	F2F (NR)	KL / Kerteh	3,770	12	15	3						22-24			27 - 29			

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NET UPG: Mechanical & Inspection (M&I)

Programme Leader: M Naim Abu +6013-574 9697 mnaim.abu@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
41	NET MECH : Ultrasonic Testing (UT)	N/A				x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3									26-28				
42	NET MECH : Unfired Pressure Vessel Inspection						x	x		F2F (NR)	INSTEP*	2,960	10	15	3							6-8					
43	NET MECH : Unfired Pressure Vessel Inspection (VILT)						x	x		VILT	MS Teams	1,880	5	9	3			23-25				6-8					
44	NET MECH : Valves and Safety Valves Maintenance & Repair							x	x	x	F2F (NR)	INSTEP*	3,030	10	15	3					8-10				15-17		
45	NET MECH : Vibration Survey and Analysis							x	x	x	F2F (NR)	Kerteh	3,100	12	15	3						12-14					
46	NET MECH : Welding Inspection							x	x		F2F (NR)	INSTEP*	2,130	10	15	3					8-10				8-10		
47	NET MECH : Welding Inspection (VILT)							x	x		VILT	MS Teams	1,670	5	9	3			15-17								
48	NET MECH : Welding Technology					x	x	x			F2F (NR)	INSTEP*	2,610	10	15	4						5-8					



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NET UPG: Electrical

Programme Leader: Muhammad Badiuzzaman Bin Rusli +609-668 6289 +6019-341 7612 mbadiuzzaman.rusli@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET ELEC : Heating, Ventilation & Airconditioning System (HVAC) (VILT)	x	x		x	x	x			VILT	MS Teams	2,840	6	15	3		22 - 25					5 - 8					
2	NET ELEC : Operation and Maintenance of Low Voltage Switchboard (VILT)	x	x	x	x	x	x	x		VILT	MS Teams	2,340	6	15	3				5 - 7				21 - 23				
3	NET ELEC : Maintenance and Troubleshooting of Low Voltage Motor (VILT)	x	x		x	x	x			VILT	MS Teams	2,340	6	15	3									25 - 27			
4	NET ELEC : Motor Control System (VILT)	x	x	x	x	x	x	x		VILT	MS Teams	2,840	6	15	4			29/3 - 1/4									
5	NET ELEC : Portable Electrical Equipment and Temporary Installation (VILT)	x	x		x	x	x			VILT	MS Teams	1,760	6	15	2							16-17				14 - 15	
6	NET ELEC : Pre-commissioning and Commissioning of Electrical Equipment (VILT)	x	x		x	x	x			VILT	MS Teams	2,340	6	15	3									12 - 14			
7	NET ELEC : Condition-Based Monitoring of High Voltage Switchgears and Transformers (VILT)	x	x	x		x	x	x	x	VILT	MS Teams	2,840	6	15	4				5 - 8								6-9
8	NET ELEC : Earthing, Lightning & Cathodic Protection System (VILT)		x	x			x	x	x	VILT	MS Teams	2,340	6	15	2							27 - 29					
9	NET ELEC : Electrical Protection System (VILT)		x	x			x	x	x	VILT	MS Teams	2,840	6	15	4						14 - 17					8 - 11	
10	NET ELEC : Fire Alarm, Public Address & General Alarm System (VILT)		x	x		x	x	x		VILT	MS Teams	2,340	6	15	3			23 - 25				27 - 29					
11	NET ELEC : Generator Operation and Control System (VILT)		x	x			x	x	x	VILT	MS Teams	2,340	6	15	3			16 - 18								1-3	



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		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
12	NET ELEC : High Voltage System Switching (VILT)		x	x			x	x	x	VILT	MS Teams	2,340	6	15	3		16 - 18						17 - 19				
13	NET ELEC : Operation and MAintenance of High Voltage Motor (VILT)		x	x			x	x	x	VILT	MS Teams	2,340	6	15	3							22-24				5-7	
14	NET ELEC : Maintenance and Troubleshooting of AC & DC UPS System (VILT)		x	x			x	x	x	VILT	MS Teams	2,340	6	15	3			8 - 10						7 - 9			
15	NET ELEC : Motor Operated Valve (MOV) (VILT)		x	x		x	x	x	x	VILT	MS Teams	2,340	6	15	3					25 - 27				17 - 19			
16	NET ELEC : Power Electronics (VILT)			x	x	x	x	x	x	VILT	MS Teams	2,340	6	15	3										5 - 7		
17	NET ELEC : Power Management Practice (VILT)		x	x			x	x	x	VILT	MS Teams	1,760	6	15	2									28-29	20 -21		
18	NET ELEC : Selection, Installation and Inspection of Ex Equipment (VILT)					x	x	x		VILT	MS Teams	2,840	6	15	4		1 - 4						23 - 26				
19	NET ELEC : Soft Starter & Variable Speed Drive System (VSDS) (VILT)			x			x	x	x	VILT	MS Teams	2,340	6	15	3						1 - 3		17 - 19				
20	NET ELEC : Operation and Maintenance of Solar Energy Equipment (VILT)									VILT	MS Teams	2,340	6	15	3							22-24				16-18	7-9
21	NET ELEC : High Voltage Switching and Generator Synchronising Practice									F2F (NR)	INSTEP*	6,910	8	15	5												
22	NET ELEC : Low Voltage Switching and Synchronising Practice									F2F (NR)	INSTEP*	5,280	8	15	5												
23	NET ELEC : Technical Trade Specialist (TTS) Preparatory									F2F (NR)	INSTEP*	Upon Request	5	8	5												
24	NET ELEC : Technical Trade Specialist (TTS) Assessment									F2F (NR)	INSTEP*		5	8	3												

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NET UPG: Instrumentation

Programme Leader: M Nazmi Mizan +609-668 6322 +6017-909 6972 mnazmi.mizan@petronas.com.my		Level in POSS			Job Grade					Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
		L1	L2	L3	NT1 (10)	NT2 (11)	NT3 (12)	NT4 (13)	NT5 (14)							Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET INST : Control Valve I L1 (VILT)	x			x					VILT	MS Teams	1,600	5	10	2			15-16									
	NET INST : Control Valve I L1 (Practical Session)**	x			x					F2F (NR)	INSTEP*	1,940	5	10	2					8-9							
2	NET INST : Instrumented Safeguarding System I L1 (VILT)	x			x					VILT	MS Teams	1,600	5	10	2		8-9			24-25			23-24				
	NET INST : Instrumented Safeguarding System I L1 (Practical Session)**	x			x					F2F (NR)	INSTEP*	1,940	5	10	2					8-9							
3	NET INST : Process Control Theory and Application L1 (VILT)	x			x					VILT	MS Teams	1,600	5	10	2					24-25			23-24				
	NET INST : Process Control Theory and Application L1 (Practical Session)**	x			x					F2F (NR)	INSTEP*	1,940	5	10	2										29-30		
4	NET INST : Process Measurement I L1 (VILT)	x			x					VILT	MS Teams	1,600	5	10	2			22-23									
	NET INST : Process Measurement I L1 (Practical Session)**	x			x					F2F (NR)	INSTEP*	1,940	5	10	2							26-27					
5	NET INST : Liquid and Gas Metering L2 (VILT)		x			x				VILT	MS Teams	1,600	5	10	2			1-2									
	NET INST : Liquid and Gas Metering L2 (Practical Session)**		x			x				F2F (NR)	INSTEP*	1,940	5	10	2									20-21			

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.
- For F2F Experiential Learning, please refer to the next page.



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																Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	NET INST : Control Valve I, L1	x			x					F2F (NR)	INSTEP*	4,370	8	15	3								6-8				
2	NET INST : Instrumented Safeguarding System I, L1	x			x					F2F (NR)	INSTEP*	4,370	8	15	3										8-10		
3	NET INST : Process Control Theory and Application, L1	x			x					F2F (NR)	Kuantan	4,370	8	15	3								6-8				
4	NET INST : Process Measurement I, L1	x			x					F2F (NR)	INSTEP*	4,370	8	15	3								2-4			29/11 - 1/12	
5	NET INST : Control Valve II, L2		x							F2F (NR)	INSTEP*	4,370	8	15	3								16-18		4-6		
6	NET INST : Gas Chromatograph, L2		x			x				F2F (NR)	INSTEP*	4,370	8	15	3								12-14			15-17	
7	NET INST : Gas Turbine and Control System -Solar-Turbotronic I, L2		x			x				F2F (NR)	Kuantan	5,380	8	15	4								5-8			29/11 - 2/12	
8	NET INST : GE Heavy Duty Gas Turbine, L2		x			x				F2F (NR)	Melaka	5,600	8	15	4											22-25	
9	NET INST : Instrumented Safeguarding System II, L2		x			x				F2F (NR)	INSTEP*	4,370	8	15	3							28-30		20-22			
10	NET INST : Liquid and Gas Metering, L2		x			x				F2F (NR)	INSTEP*	4,370	8	15	3											6-8	
11	NET INST : PID Tuning, L2		x			x				F2F (NR)	INSTEP*	4,370	8	15	3								16-18		4-6		
12	NET INST : Process Measurement II, L2		x			x				F2F (NR)	INSTEP*	4,370	8	15	3								12-14		11-13		

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																Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
13	NET INST : Quality Measuring Instrument, L2		x			x				F2F (NR)	INSTEP*	4,370	8	15	3											6-8	
14	NET INST : Vibration Monitoring System, L2		x			x				F2F (NR)	INSTEP*	4,370	8	15	3					28-30			27-29				
15	NET INST : Introduction to the Distributed Control System (DCS) Operation - Experion PKS for Process Operator, L3			x				x		F2F (NR)	INSTEP*	4,370	8	15	3						5-7				8-10		
16	NET INST : ControlLogix System Maintenance & Troubleshooting, L3			x				x		F2F (NR)	INSTEP*	4,930	8	15	3								25-27				
17	NET INST : Gas Detection System, L3			x			x			F2F (NR)	INSTEP*	4,370	8	15	3					14-16							
18	NET INST : Honeywell EPKS Engineering & Maintenance, L3			x				x		F2F (NR)	INSTEP*	5,520	8	15	4										13-16		
19	NET INST : Instrument Installation and Maintenance, L3			x			x			F2F (NR)	KL	4,450	8	15	3							26-28		25-27			
20	NET INST : Introduction to the Distributed Control System (DCS) Operation - Yokogawa CS 3000 for Process Operator, L3			x				x		F2F (NR)	INSTEP*	4,370	8	15	3											20-22	
21	NET INST : Programmable Logic Controller - Allen Bradley CLX5000, L3			x			x			F2F (NR)	INSTEP*	4,370	8	15	3										15-17		
22	NET INST : Safety PLC- Tricon TMR, L3			x			x			F2F (NR)	INSTEP*	4,370	8	15	3								27-29				
23	NET INST : Solar Turbine & Control System II, L3			x			x			F2F (NR)	Kuantan	5,380	8	15	4								23-26				



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 - » VILT : Virtual Instructor-Led Training
 - » R : Residential
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NET UPG: Health, Safety & Environment (HSE) – HSE Matrix Programme

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	HSE TMP : AGT For Non-Confined Space	F2F (NR)	INSTEP*	620	15	15	1					3					4		
2	HSE TMP : Fundamental of Environmental Management (VILT)	VILT	MS Teams	1,050	15	15	1		4										
3	HSE TMP : Fundamental of Process Safety (VILT)	VILT	MS Teams	1,050	15	15	1			1									
4	HSE TMP : Hazard and Effect Management Process (HEMP) (VILT)	VILT	MS Teams	2,030	10	10	3					4-6				1-3			21-23
5	HSE TMP : Hearing Conservation Programme (VILT)	VILT	MS Teams	620	15	15	1		8				1				5		14
6	HSE TMP: Hydrogen Sulfide (H2S) Awareness (VILT)	VILT	MS Teams	870	15	15	1			2		10				6		1	
7	HSE TMP : Incident Investigation (VILT)	VILT	MS Teams	1,450	15	15	2				4-5			5-6			11-12		
8	HSE TMP : RA Tools Training (BowTie, HAZID, HAZOP, P-HAZOP and PASR Application) (VILT)	VILT	MS Teams	1,450	10	10	2			8-9					2-3				
9	HSE TMP : Safe Handling of Chemicals (SHOC) (VILT)	VILT	MS Teams	1,050	15	15	2		9-10				2-3				7-8		15-16
10	HSE TMP : Working at Height Awareness (VILT)	VILT	MS Teams	870	10	15	1			1				6		7		1	
11	HSE TMP : Working at Height	F2F (NR)	INSTEP*	1,450	10	10	2			2-3				7-8		8-9		2-3	



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NET UPG: Health, Safety & Environment (HSE) – HSE Matrix Programme

Programme Leader: Raja Surida Bt Saiful Bahri +609-668 6346 +6016-333 4094 rajasurida.sb@petronas.com.my								2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
12	HSE TMP : Asbestos Safety	F2F (NR)	INSTEP*	620	15	20	1	Upon Request (Click to Enquire)											
13	HSE TMP : Basic Fire Fighting	F2F (NR)	INSTEP*	620	15	20	1												
14	HSE TMP : Basic First Aid	F2F (NR)	INSTEP*	620	15	20	1												
15	HSE TMP : Benzene Safety	F2F (NR)	INSTEP*	620	15	20	1												
16	HSE TMP : Chemical Spill Response and Clean-up	F2F (NR)	INSTEP*	620	15	20	1												
17	HSE TMP : Emergency Management Program (EMP)	F2F (NR)	INSTEP*	990	15	20	2												
18	HSE TMP : Emergency Response Team (ERT)	F2F (NR)	INSTEP*	990	15	20	2												
19	HSE TMP : Energy Isolation	F2F (NR)	INSTEP*	620	15	20	1												
20	HSE TMP : Handling of Scheduled Waste	F2F (NR)	INSTEP*	620	15	20	1												
21	HSE TMP : Handling of Stress at the Workplace	F2F (NR)	INSTEP*	620	15	20	1												
22	HSE TMP : Heat Stress Safety	F2F (NR)	INSTEP*	620	15	20	1												
23	HSE TMP : Human Factors	F2F (NR)	INSTEP*	620	15	20	1												
24	HSE TMP : Indoor Air Quality	F2F (NR)	INSTEP*	620	15	20	1												
25	HSE TMP : Job Hazard Analysis (JHA)	F2F (NR)	INSTEP*	620	15	20	1												
26	HSE TMP : Management of Change	F2F (NR)	INSTEP*	1,370	15	20	2												
27	HSE TMP : Manual Handling	F2F (NR)	INSTEP*	620	15	20	1												
28	HSE TMP : Mercury Safety	F2F (NR)	INSTEP*	620	15	20	1												
29	HSE TMP : Office Ergonomics	F2F (NR)	INSTEP*	620	15	20	1												
30	HSE TMP : Permit to Work (Approving Authorities)	F2F (NR)	INSTEP*	620	15	20	1												
31	HSE TMP : Personal Protective Equipment (PPE)	F2F (NR)	INSTEP*	620	15	20	1												
32	HSE TMP : Special Waste Management	F2F (NR)	INSTEP*	620	15	20	1												



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NET UPG: Health, Safety & Environment (HSE) – HSE Matrix Programme

Programme Leader : Elias Abllah +6012-717 6903 elias.abllah@petronas.com.my		Prog. Type	Venue* (may be inclusive of Experiential Learning at UOTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	HSE TMP : Marine for Non Mariners	F2F (NR)	Kerteh	2,370	10	25	3										5-7	8-10	7-9
2		F2F (NR)	Labuan	2,370	10	25	3										26-28	24-26	21-23
3	HSE TMP : Marine for Non Mariners (VILT)	VILT	MS Teams	530	10	25	2							28-29	11-12 25-26	8-9 22-23			



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 - » R : Residential
 - » NR : Non-Residential

NET UPG: 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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	English Writing Empowerment for NET	F2F (NR)	INSTEP*	1,940	12	15	3												7 - 9
2	English Writing Empowerment for NET (VILT)	VILT	MS Teams	1,940	3	15	3	25 - 27								7 - 9			
3	English Speaking Empowerment for NET	F2F (NR)	Kerteh	1,940	12	15	3											1-3	
4	English Speaking Empowerment for NET (VILT)	VILT	MS Teams	1,940	3	15	3						8 - 10		3 - 5				



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INSTITUT TEKNOLOGI PETROLEUM PETRONAS

Assessment &

Certification

A&C

"Experiencing is Enriching"

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 is Inclusive of Assessment)	Min Pax	Max Pax	Duration (Days)	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Advanced Pigging Operation Certification Scheme (APOCS)																			
1	A&C : Advanced Pigging Operation Certification Scheme (APOCS)	F2F (NR)	INSTEP*	7,000	10	20	5		21-25	14-18	4-8		13-17	4-8	1-5	5-9 26-30	10-14 24-29	14-18	12-16
2	A&C : APOCS Reassessment	F2F (NR)	INSTEP*	1,410	5	5	2	Upon Request (Click to Enquire)											
Upstream Panel Operator Certification Programme (UPOCP)																			
1	A&C : UPOCP: Control Room Operator – Emergency Response Preparedness (CRO-ERP)	F2F (NR)	INSTEP*	7,000	6	6	3	19-21		21-23					2-4	5-7	11-13	23-25	6-8
2	A&C : UPOCP: CRO-ERP Reassessment	F2F (NR)	INSTEP*	1,800	5	5	3	Upon Request (Click to Enquire)											
3	A&C : UPOCP: Operator Training Simulator (OTS) Assessment	F2F (NR)	PMA Kerteh	2,650	10	14	4	25-28		28-31		24-27					4-7		5-8
4	A&C : UPOCP: Operator Training Simulator (OTS) Assessment	F2F (NR)	SKO Miri	3,080	10	11	4			29/3 – 1/4							31/10-3/11		12-15
5	A&C : UPOCP: Operator Training Simulator (OTS) Assessment	F2F (NR)	SBA KK	3,150	10	15	4			1-4							26-29		
6	A&C : UPOCP: Operator Training Simulator (OTS) Assessment (VILT)	VILT	MS Teams	4,870	4	6	4	Upon Request (Click to Enquire)											
7	A&C : UPOCP: OTS Reassessment	F2F (NR)	INSTEP*	1,650	5	5	4												
8	A&C : UPOCP: OTS Reassessment (VILT)	VILT	MS Teams	1,500	4	6	1												
9	A&C : UPOCP: OTS Training of Trainer (TOT)	F2F (NR)	INSTEP*	1,830	12	20	3	10-12											
ProAssure Composite Wrap Design & Installation																			
1	A&C : ProAssure Composite Wrap Design & Installation (Level 1) (VILT)	VILT	MS Teams	1,000	10	20	1							13	16	21	25	15	
2	A&C : ProAssure Composite Wrap Design & Installation (Level 2 & 3)	F2F (NR)	INSTEP	3,900	10	20	2										11-12	22-23	13-14

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A&C: Process & Analytical (P&A) – Panel Operator Training & Certification Programme (POTCP)

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : POTCP 01 - Distributed Control System (DCS)	F2F (NR)	INSTEP*	2,840	11	15	3		2-4	1-3	5-7	24-26	8-10		3-5		5-7		
2	A&C : POTCP 02 - Process Control	F2F (NR)	INSTEP*	2,840	11	15	3		9-11	8-10			14-16	6-8		7-9	10-12		
3	A&C : POTCP 03 - Process Troubleshooting	F2F (NR)	KL	3,110	12	20	2		22-23	15-16			21-22	14-15		22-23	20-21	9-10	
4	A&C : POTCP 03 - Process Troubleshooting (VILT)	VILT	MS Teams	1,910	10	15	2						21-22	14-15		22-23	20-21	9-10	
5	A&C : POTCP 04 - Plant Operation Practice	F2F (NR)	KL	3,110	12	20	2		3-4 24-25	17-18	7-8		23-24	28-29	17-18			17-18	
6	A&C : POTCP 04 - Plant Operation Practice (VILT)	VILT	MS Teams	1,910	10	15	2							28-29	17-18	22-23		17-18	
7	A&C : POTCP 05 - Process Safety Practice	F2F (NR)	KL	3,110	12	20	2		17-18	24-25			29-30		25-26		27-28	24-25	
8	A&C : POTCP 05 - Process Safety Practice (VILT)	VILT	MS Teams	1,910	10	15	2								25-26	29-30	27-28	24-25	



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A&C: Process & Analytical (P&A) – Vessel Familiarisation & Shipshore Safety Checklist

Programme Leader : Siti Suhaili Shuib +609-668 6150 +6013-586 8208 sitisuhaili.shuib@petronas.com.my		Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : Vessel Familiarisation & Shipshore Safety Checklist	F2F (NR)	Melaka/ Kerteh	3,930	7	10	4	Upon Request (Click to Enquire)											



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REV8/NOV21

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	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	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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A&C: Mechanical & Inspection (M&I) – PESITAS

Programme Leader : Suhaili Hamah Muding-Muhamad +609-668 6065 +6010-236 5883 suhaili.hamahmuding@petronas.com.my								2021											
		Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : PESITAS: ICE Driver Grade 2 & 1 (VILT)	VILT	MS Teams	1,770	10	20	3						15-17	13-15	17-19	7-9	12-14	30/11 – 2/12	
2	A&C : PESITAS: ICE Engineer Grade 2 & 1 (VILT)	VILT	MS Teams	2,210	9	20	4						21-24	5-8	2-5	20-23	4-7		
3	A&C : PESITAS: Preparatory for ICE Driver Grade 2 & 1 (Oral)	F2F (NR)	Kerteh	2,040	6	20	2	Upon Request (Click to enquire)											
4	A&C : PESITAS: Preparatory for ICE Driver Grade 2 & 1 (Oral) (VILT)	VILT	MS Teams	1,330	6	20	2												
5	A&C : PESITAS: Preparatory for ICE Engineer Grade 2 & 1 (Oral) (VILT)	VILT	MS Teams	1,330	6	20	2									29-30			
6	A&C : PESITAS: Preparatory for ICE Engineer Grade 2 & 1 (Paper B) (VILT)	VILT	MS Teams	1,330	6	20	2									27-28			
7	A&C : PESITAS: Preparatory for Steam Boiler Driver Grade 2 & 1 (Oral)	F2F (NR)	Kerteh	2,270	6	20	2	Upon Request (Click to enquire)											
8	A&C : PESITAS: Preparatory for Steam Boiler Driver Grade 2 & 1 (Oral) (VILT)	VILT	MS Teams	1,330	6	20	2												
9	A&C : PESITAS: Preparatory for Steam Boiler Engineer Grade 2 & 1 (Oral) (VILT)	VILT	MS Teams	1,330	6	20	2									29-30			
10	A&C : PESITAS: Preparatory for Steam Boiler Engineer Grade 2 & 1 (Paper B) (VILT)	VILT	MS Teams	1,330	6	20	2									27-28			
11	A&C : PESITAS: Preparatory for Steam Boiler/ICE Engineer Grade 2 & 1 (Part A)	F2F (NR)	Kerteh	3,530	8	20	5	Upon Request (Click to enquire)											
12	A&C : PESITAS: Preparatory for Steam Boiler/ICE Engineer Grade 2 & 1 (Part A) (VILT)	VILT	MS Teams	1,330	8	20	5												
13	A&C : PESITAS: Steam Boiler Driver Grade 2 & 1 (VILT)	VILT	MS Teams	1,770	10	20	3						9-11	6-8	11-13	28-30	26-28	8-10	
14	A&C : PESITAS: Steam Boiler Engineer Grade 2 & 1 (VILT)	VILT	MS Teams	2,210	9	20	4						21-24		2-5	20-23		15-18	



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A&C: Mechanical & Inspection (M&I) – PMS, PRBI, ICML, ASNT & MIBOC

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 UOTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
								Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
PMS: Internal Regulator Competency Programme (IRCP)																			
1	A&C : IRCP: Compliance to FMA 1967 and Regulations (VILT)	VILT	MS Teams	1,320	10	20	2		24-25				3-4	14-15		8-9			
2	A&C : IRCP: Compliance to Regulations Under OSHA 1994 (VILT)	VILT	MS Teams	1,320	10	20	2		3-4				9-10	7-8	18-19				
3	A&C : IRCP: ISO 45001:2018 Lead Auditor (IRCA & CQI Certified) (VILT)	VILT	MS Teams	4,680	10	12	5	18-22		15-19	19-23		14-18		16-20		11-15	15-19	
4	A&C : IRCP: Plant Management System (PMS)	F2F (NR)	KL / INSTEP*	4,300	10	15	4			29/3-1/4	3-6					6-9	25-28	29/11 - 2/12	
5	A&C : IRCP: Plant Management System (PMS) (VILT)	VILT	MS Teams	4,300	10	15	4										25-28	29/11 - 2/12	
6	A&C : IR Competency Assessment (VILT)	VILT	MS Teams	1,540	7	15	1	Upon Request (Click to enquire)											
7	A&C : IRCP: ISO 45001:2018 Awareness	F2F (NR)	KL / INSTEP*	1,230	10	20	2	13-14							4-5				
PETRONAS Risk Based Inspection (PRBI)																			
1	A&C : PRBI User Certification Programme	F2F (NR)	KL	3,200	10	15	2						30/6 – 1/7						1-2
2	A&C : PRBI User Certification Programme Reassessment	F2F (NR)	KL	1,080	5	5	1	Upon Request (Click to Enquire)											
International Council for Machinery Lubrication (ICML)																			
1	A&C : ICML Machine Lubricant Analyst (MLA) Certification - Level I	F2F (NR)	INSTEP*	5,530	10	15	4								16-19				
2	A&C : ICML Machine Lubricant Analyst (MLA) Certification - Level II	F2F (NR)	INSTEP*	6,020	10	15	4									6-9			
3	A&C : ICML Machine Lubricant Analyst (MLA) Certification - Level III (VILT)	VILT	MS Teams	7,100	10	15	4						14-17						
American Society for Non-Destructive Testing (ASNT)																			
1	A&C : ASNT-TC-1A Ultrasonic Testing (UT) Certification - Level I	F2F (NR)	INSTEP*	4,640	10	15	5							11-15					
Mobius Institute Board Of Certification (MIBOC)																			
1	A&C : Vibration Certification Programme Entry - CAT I (VILT)	VILT	MS Teams	7,620	10	15	4			22-25									
2	A&C : Vibration Certification Programme Intermediate - CAT II	F2F (NR)	INSTEP*	8,490	10	15	5							15-19					
3	A&C : Vibration Certification Programme Advanced - CAT III	F2F (NR)	INSTEP*	9,980	10	15	5											14-18	

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A&C: Mechanical & Inspection (M&I) – Welder Development Programme

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : Welder Development Programme (Fundamental of Welding Technology) (VILT)	VILT	MS Teams	1,660	15	25	3							13-15		20-22		15-17	



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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	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : Atmospheric Storage Tank	F2F (NR)	KL/INSTEP*	2,960	5	10	1									1			
2	A&C : Fired Pressure Vessel Inspection	F2F (NR)	KL/INSTEP*	5,290	5	10	2			15-16						6-7			
3	A&C : Hoisting & Lifting Equipment	F2F (NR)	KL/INSTEP*	4,470	5	10	2							12-13	16-17				
4	A&C : HSE MS	F2F (NR)	KL/INSTEP*	3,710	5	10	1.5		17-18						2-3				
5	A&C : Non-Destructive Testing	F2F (NR)	KL/INSTEP*	4,470	5	10	2							14-15		20-21	11-12		
6	A&C : OSR Competency Assessment	F2F (NR)	KL/INSTEP*	1,660	3	10	1			25						29		1	
7	A&C : OSR MS	F2F (NR)	KL/INSTEP*	3,710	5	10	1.5		16-17						3-4				
8	A&C : Piping Inspection	F2F (NR)	KL/INSTEP*	4,470	5	10	2				5-6						20-21		
9	A&C : Risk Based Inspection	F2F (NR)	KL/INSTEP*	4,470	5	10	2				7-8					14-15			
10	A&C : Unfired Pressure Vessel Inspection	F2F (NR)	KL/INSTEP*	5,290	5	10	2			17-18					11-12				
11	A&C : Welding Technology	F2F (NR)	KL/INSTEP*	4,470	5	10	2								23-24		13-14		



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

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : IECEx Unit Ex001 Competency Training Programme & Assessment **	F2F (NR)	KL	4,950	5	10	2						16-17		17-18			9-10	
2	A&C : IECEx Unit Ex001 Competency Training Programme (VILT)	VILT	MS Teams	1,800	5	10	3						21-23		17-19			9-11	
3	A&C : IECEx Unit Ex001 & Ex003 Competency Training Programme & Assessment **	F2F (NR)	INSTEP*	8,430	5	10	4								2-5				20-23
4	A&C : IECEx Unit Ex001, Ex007 & Ex008 Competency Training Programme & Assessment **	F2F (NR)	INSTEP*	8,850	5	10	4			29/3 - 01/4				5-8				29/11 – 02/12	
5	A&C : IECEx Unit Ex001, Ex003, Ex007 & Ex008 Competency Training Programme & Assessment **	F2F (NR)	INSTEP*	11,650	5	10	5						20-24			26-30			
6	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	A&C : IECEx Unit Ex001 & Ex009 Competency Training Programme & Assessment **	F2F (NR)	KL	9,690	5	10	4										25-28		
8	A&C : IECEx Refresher (Exclude Examination)	F2F (NR)	INSTEP*	670	N/A		1	Upon Request (Click to Enquire)											

Note:

1. Fee is inclusive of Assessment**
2. 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

A&C: Electrical – Chargeman Programme

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : A0 Chargeman	F2F (NR)	INSTEP*	15,030	15	15	80	To be announced- TBA (Click to Enquire)											
2	A&C : A4 Chargeman	F2F (NR)	INSTEP*	18,730	12	12	100												
3	A&C : B0 Chargeman	F2F (NR)	INSTEP*	20,990	14	14	100												
4	A&C : B4 Chargeman	F2F (NR)	INSTEP*	22,830	10	10	100												
5	A&C : Low Voltage Overhead Lines	F2F (NR)	INSTEP*	4,690	20	20	10												
6	A&C : High Voltage Overhead Lines	F2F (NR)	INSTEP*	6,980	10	10	13												
7	A&C : Low Voltage Generator and Synchronising	F2F (NR)	INSTEP*	5,430	N/A		10	Upon Request (Click to Enquire)											
8	A&C : High Voltage Generator and Synchronising	F2F (NR)	INSTEP*	6,480			10												
9	A&C : Refresher & Referral Examination	F2F (NR)	INSTEP*	2,580			6												
10	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](#)

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : Certified Personnel for Metering Validation and Calibration Competency Programme	F2F (NR)	INSTEP*	6,110	4	8	5						20-24	11-15	22-26		10-14		5-9
2	A&C : Instrument Fitter	F2F (NR)	INSTEP*	4,310	4	8	4						14-17					22-25	

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

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : Authorised Entrant and Standby Person for Confined Space	F2F (NR)	INSTEP*	870	10	20	2	Upon Request (Click to Enquire)											
2	A&C : Authorised Entrant and Standby Person for Confined Space – Refresher	F2F (NR)	INSTEP*	520	20	20	1												



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

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

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)	2021											
								Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : Certified Environmental Professional in Scheduled Waste Management (CePSWaM)	F2F (NR)	INSTEP*	3,750	10	35	5					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 Bahru	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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 - » F2F : Face-to-Face Experiential Learning
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 - » NR : Non-Residential

A&C: Health, Safety & Environment (HSE) – PCSB Permit to Work (PTW) Competency Level 3: 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)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : PCSB Permit to Work Competency Level 3- New Candidate	3	VILT	MS Teams	700	20	20	3	19-21	2-4 8-10 22-24	1-3 15-17	6-8	3-5 23-25	21-23 28-30	26-28	16-18 24-26	6-8	4-6 25-27	8-10 15-17	7-9 14-16
			F2F (NR)	INSTEP*	1,050	20	20	3			1-3			8-10						
				Kerteh	1,050	20	20	3		8-10					5-7			20-22	1-3	
				Miri	1,050	20	20	3	11-13	2-4	8-10	6-8	3-5	15-17	12-14	2-4	13-15	20-22	1-3	6-8
				KL	1,050	20	20	3		16-18		6-8								

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 of tax	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : PCSB Permit to Work Competency Level 3- Refresher (VILT)	3	VILT	MS Teams	450**	10	10	1	5	2	2	5	3	2	6	2	1	4	8	1
									6	3	3	6	4	3	7	4	2	5	9	2
									13	8	9	19	5	9	13	11	7	11	16	13
									14	9	10	20	6	10	14	12	8	12	17	14
									19	17	16	21	27	16	22	16	20	20	22	20
									20	18	17	22	27	17	23	17	21	21	23	21
									26	23	23	27	28	29	27	23	27	25	29	27
									27	24	24	28	28	30	28	24	28	26	30	28

A&C: PECAS Training Programme

Programme Leader: Muhamad Faizzudin Bin Ahmad Azhar +609-668 6120 +014-512 8724 muhamadfaizzudin.ah@petronas.com.my									2021											
		Level	Prog. Type	Venue* (may be inclusive of Experiential Learning at UDTF)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : Competency Programme for PECAS Assessor – CoPA/APPAV (Briefing + Assessment) (VILT)	2	VILT	MS Teams	2,510	4	8	2				27-28			27-28			13-14		22-23
4	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Briefing)	2	F2F (NR)	INSTEP*	540	14	20	1	Upon Request (Click to Enquire)											
5	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Briefing)	2	F2F (NR)	Kerteh/ Kuantan/ KL/ Sabah/ Sarawak	900	14	20	1												
6	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Written Test)	2	F2F (NR)	INSTEP*	720	14	20	1												
7	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Written Test)	2	F2F (NR)	Kerteh/ Kuantan/ KL/ Sabah/ Sarawak	1,190	14	20	1												
8	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Interview)	2	F2F (NR)	INSTEP*	1,530	8	8	1												
9	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Interview)	2	F2F (NR)	Kerteh/ Kuantan/ KL/ Sabah/ Sarawak	2,390	8	8	1												
10	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Written Test + Interview)	2	F2F (NR)	INSTEP*	1,940	12	12	2												
11	A&C : Competency Programme for PECAS Assessor - CoPA / APPAV (Written Test + Interview)	2	F2F (NR)	Kerteh/ Kuantan/ KL/ Sabah/ Sarawak	2,890	12	12	2												



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 - » NR : Non-Residential

A&C: PECAS Training Programme

Programme Leader: Muhamad Faizzudin Bin Ahmad Azhar +609-668 6120 +014-512 8724 muhamadfaizzudin.ah@petronas.com.my		Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : PECAS Training (VILT)	2	VILT	MS Teams	1,550	10	15	2		10-11					7-8					
										3-4 24-25	17-18 24-25	7-8	26-27	9-10 23-24	14-15	18-19 25-26	8-9 29-30	6-7 26-27	17-18 24-25	7-8 15-16
															7-8 14-15	18-19 25-26	8-9 29-30	6-7 26-27	17-18 24-25	7-8 15-16
2	A&C : PECAS Refresher Training (VILT)	2	VILT	MS Teams	850	10	15	1	Upon Request (Click to Enquire)											

Programme Leader: Muhamad Faizzudin Bin Ahmad Azhar +609-668 6120 +014-512 8724 muhamadfaizzudin.ah@petronas.com.my		Level	Prog. Type	Venue* (may be Inclusive of Experiential Learning at UDTP)	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
									Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	A&C : PECAS Training for Candidate (VILT)	2	VILT	MS Teams	1,330	10	15	2	Upon Request (Click to Enquire)											
2	A&C : e-PECAS Training (VILT)	2	VILT	MS Teams	890	10	10	1												



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Others: PETRONAS Assurance Delivery Excellence (PADEX)

Programme Leader: W M Sabri B W Yahya +609-668 6070 +6013-948 9411 sabri.yahya@petronas.com.my		M Zawawi Zani +609-668 6269 +6017-258 2880 zawawi.zani@petronas.com.my		Prog. Type	Venue	Course Fee (RM)	Min Pax	Max Pax	Duration (Days)	2021											
										Jan	Feb	Mac	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	PETRONAS Assurance Delivery Excellence (PADEX) (VILT)			VILT	MS Teams	1,900	20	30	4	18-21	2-5 8-10 22-25	15-18 22-25	5-8 19-22	3-6	1-4 14-17 21-24	5-8 26-29	2-5 16-19 23-26	6-9 20-23	11-14 25-28	8-11 15-18 22-25	6-9 13-16

Note:

- For enrolment and nomination, please fill in the nomination form and email to mursyida_razif@petronas.com.my (IAU) and sabri.yahya@petronas.com.my & zawawi.zani@petronas.com.my (INSTEP).
- Nomination form can be obtained from the IAU Portal (<https://mypetronas.com/ghsse/iap-portal/petronas-integrated-assurance>).
- INSTEP PADEX Team will contact the nominated participants directly for training enrolment.



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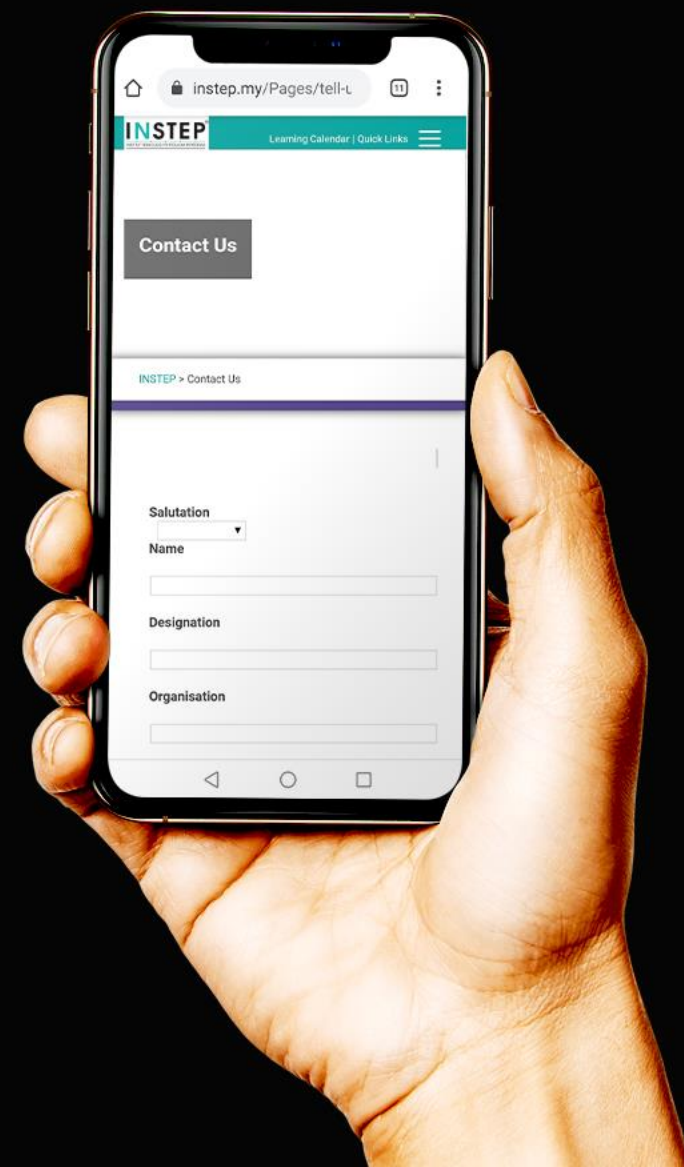
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