APPENDIX

Program documents

Document 1 Engineering Practical –1 Memorandum of Understanding P-1 Pg-1

		Completion of this document does not apply or
D	Memorandum of Understanding [MoU]	constitute an offer of employment or that the learner is
		registered.

This section serves as a company validated indication of what WIL is to be conducted, the duration and the specific portfolio reports to be developed by the learner in the academic portfolio.

Please note:-

- [1] The full duration of a minimum of 26 weeks may be made up as follows:-
- Compulsory training section D-2A

---- PLUS ----

Elective training from section D-2B or Company motivated training from section D-2C

[2] 6 portfolio reports, marked sequentially, must be indicated for generation in the portfolio Reports may be indicated as covering from 3 to 5 weeks of training.

App	licable RHS shaded blocks MUST be initialled by the company representative	Sign
1	A training contract will be in existence between the above parties at the time of final registration of the learner for a minimum period of six months <i>in a full time capacity</i> .	

Sect	tion D2-A P-1 Compuls	ory FORMAL training 12 wee	ks minimum		
	Item	Training Description	Duration	Report	Sign
A 1	Certificated First Aid and Safety training courses	Basic first-aid and safety proficiency certificates required.	1 Week credit	Nil	
A 2	Basic hand and power tools skills	Terminology, symbols, diagrams, marking off, accuracy, gauging, mounting technologies. Basic hand, and power tools.	3 weeks	1	
A 3	Measurement instruments, methods and metering. Fault finding methods	Terminology, symbols, diagrams, types, connections, measurement methods. Energy meters, metering connections. Fault finding methods.	2 weeks		
A 4	Motors/Generators controls, motor starters and fault finding	Terminology, symbols, diagrams, types, connections, sequencing, control, protection & fault finding. Specification of equipment from manufacturers data.	2 weeks	2	
A 5	Lighting and Illumination systems and control gear	Terminology, symbols, diagrams, types, connections & control gear. Specification of equipment from manufacturers data.	1 week		
A 6	Wire-ways, conduit and electrical installation work Alternatively Overhead wires and under ground cables.	Terminology, symbols, diagrams, types, connections, termination gear, ratings, protection and fault finding Specification of equipment from manufacturers data in accordance with SANS 10142.	3 weeks	3	
Sul	b-total section D2-A C	ompulsory FORMAL training weeks		12	

Sect	tion D2-B P-1 Elective Training	g			
#	Item	Training Description	Duration	Report	Sign
B1	Basic process control and instrumentation.	Terminology, symbols, diagrams, systems [temperature, level, pressure, flow, mass and stress]	1 week		
B2	Drive-trains, hoisting and vibration analysis.	Terminology, symbols, diagrams, regulations, equipment. validation, testing and reporting.	2 weeks		
В3	Energy management principles.	Terminology, investigation, interventions, audit plans, retrofitting, validation.	1 week		
B4	Flame and explosion proof equipment.	Terminology, symbols, diagrams, regulations, termination, equipment, inter-connections, validation, testing and reporting.	2 weeks		
В5	Refrigeration and Airconditioning.	Terminology, symbols, diagrams, regulations, termination, equipment. Processes & systems	3 weeks		
В6	Automation - PLCs	Terminology, symbols, diagrams, inter-connections, programming & applications.	1 week		
B7	Automation - variable speed drives.	Terminology, symbols, diagrams, inter-connections, programming & applications.	1 week		
В8	Electro-hydraulic systems.	Terminology, symbols, diagrams, regulations, termination, equipment, inter-connections.	1 week		
В9	Electro-pneumatics	Terminology, symbols, diagrams, regulations, termination, equipment, inter-connections.	1 week		
B 10	Basic welding	Terminology, symbols, diagrams, layouts and profiling. Electric arc, inert gas and gas welding	2 weeks		
Sub	-total section D2-B Elective tra	ining weeks			

Sec	tion D2-C P-1 Company motiv	ated training (if applicable)			
	Item	Training Description (please specify)	Duration	Report	Sign
C 1			weeks		
C 2			weeks		
Sub	-total section D2-C Elective tr	aining weeks			

Sect	ion E Item of agreement between Learner and ISP as MoU	Sign
a	Registered training is to commence (start) on for a minimum period of six months	
b	MoU finalisation Reality Check. (Signatures:- (i) Company representative. (ii) Learne training)	r in
i	 We as a company providing the WIL training, accept our responsibility to:- Provide the training as specified. Be aware of the fact that the learner should not be considered as a contributor to a business unit whilst conducting training under sections D2-A and D2-B. Providing evidence of training of the learner which must be developed and retained for inspection by the academic department in terms of work-piece specification, artefact(s), assessment criteria and outcome reports. 	Sign
ii	 As learner, I accept my responsibility in:- Following up on the registration process in <u>validating</u> that I am <u>actually</u> registered. Maximising, retaining and expanding the permanent learning effects of the training provided. Diligently developing the required reporting materials to the engineering standards expected. Being available on-site during the pre-arranged academic visit. 	Sign

Document 2 Engineering Practical –2 Memorandum of Understanding [P-2] Pg-1

D Memorandum of Understanding [MoU] Completion of this document does not apply or constitute an offer of employment or that the learner is registered.

Section D serves as a company validated indication of what WIL is to be conducted, the duration and the specific portfolio reports to be developed by the learner in the academic portfolio.

Please note:-

- [1] P-2 can only be done in the industry and not at a training centre.
- [2] The learner's minimum 6 months of training may be made up in terms of items from: -
 - [i] Three items from section D2-A ---- or ----.
 - [ii] Two items from section D2-A plus ONE item from section D2-B --- or ---
 - [iii] Two items from section D2-A plus ONE item as company motivated.
- [3] *Maximum and minimum duration per item is 2 and 1 month respectively* (unless otherwise indicated)
- [4] 6 portfolio reports (one per month), marked sequentially, must be indicated for generation.
- [5] A separate technical report on a project conducted in industry during the training is required.

Арр	licai	ble RHS shaded blocks MUST	be initialled by the company representative			Sign
1		_	xistence between the above parties at the minimum period of six months <i>in a full</i>			
Sec	tion	D2-A P-2 Standard	Electrical Power Engineering options	3		
		Item	Training Description	Duration	Report	Sign
A 1		Electrical distribution and reticulation. Technology and applications	Investigate problem & solution methods associated with maintenance, loading, design extensions, modifications & reliability.	Months		
A 2		Protection of electrical equipment. Technology and applications	Investigate problem & solution methods associated with maintenance, design, extensions, modifications & reliability.	Months		
A 3		Electrical machinery applications, maintenance. Technology and applications	Investigate problem & solution methods associated with maintenance, design, extensions, modifications & reliability.	Months		
A 4		Installation, commissioning and testing of electrical power equipment. Technology and applications	Investigate procedures, problem & solution methods associated with commissioning, testing and validation to specification of electrical plant and equipment	Months		
A-	5	Quality control, quality of supply and energy management. Technology and applications 1 month maximum time	Investigate problem, solution methods, strategies assessment, and validation methods associated with the quality control, quality of supply and energy management within the electrical power working environment.	Month		
Sub	-tot	al section D2-A	months			

Document 2 Engineering Practical –2 Memorandum of Understanding [P-2] Pg-2

Section	n D2-B P-2 Compan	y Speciality options (if applicable)			
#	Item	Training Description	Duration	Report	Sign
B 1	Generation of Electrical Energy. Technology and applications Reserved 1 month maximum	Applicable only to learners directly exposed to large scale power generation plant. Investigate problem & solution methods, maintenance, loading, optimisation, modifications & reliability engineering of alternators.	months		
B 2	Heavy industrial Electromechanical plant, steam generation or process. Process, technology & applications Reserved 3 months maximum. Time schedule document is required	Applicable only to learners with a Power Plant Diploma Option who are directly exposed to heavy plant, viz. boilers, process, mining and or refining processes. Electro-mechanical - investigate problem & solution methods, maintenance, loading, scheduling, modifications & reliability engineering of plant. A separate fully motivated weekly based planning/exposure schedule must accompany this application form in support of this option.	months		
B 3	Rural development projects based on appropriate technology development. Development & application Reserved 3 months maximum. Time schedule document is required	Applicable only to NON-electrical consultant based learners involved with appropriate technology development, viz Renewable Energy Technologies and applications. Sustainability, energy poverty solutions, design, implementation, maintenance and project management A separate fully motivated weekly based planning/exposure schedule must accompany this application form in support of this option.	months		
Su	ıb-total section D2-B	months			

Section	D2-C P-2 Company m	otivated training (if applicable)			
	Item	Training Description (please specify)	Duration	Report	Sign
C 1			months		
Sub-tota	al section D2-C Electiv	ve training months			
Grand	total of training period	(must be 6 months or more)		mon	ths

Document 2 Engineering Practical –2 Memorandum of Understanding [P-2] Pg-3

Section E	Item of agreement between Learner and ISP as MoU	Sign
a	Registered training is to commence (start) on and end on for a minimum period of six months	
b	MoU finalisation Reality Check. (Signatures:- (i) Company representative. (ii) Leatraining)	rner in
i	We as a company providing the WIL training, accept our responsibility to: • Provide the industrial exposure training as specified.	Sign
ii	 As learner, I accept my responsibility in:- Following up on the registration process in <u>validating</u> that I am <u>actually</u> registered. Maximising, retaining and expanding the permanent learning effects of the training provided. Diligently developing the required reporting materials to the engineering standards expected. Being available on-site during the pre-arranged academic visit 	

Portfolio reports

Template 5

Each report must include FULL <u>completion</u> of the mentor's assessment report.

The purpose of these reports and their layout is to guide the learner in reporting to a known academic standard (here NQF-5) Each report developed on the specific technology (motors/starters, lighting, etc. or as per electives or motivated options) as per the registered MoU, is also particular to your workplace specifics of equipment, function and operation. You must analyse your WIL experiences in the specific technology in deciding how best to provide entries under the common headings below.

Please make copies of this blank template, to initially develop drafts for discussion with your mentor and when appropriate, finalised as hand-written reports for compilation. Compile the required 6 reports in the compilation order E1 to E6.

Note:

- A minimum of 2 cross-references is required per report
- Reports on section D-2A 4 (of your application form) must show at LEAST 2 motor starters specifications and design.
- Reports on section D-2A 5 and 6 (of your application form) must show a design with specifications including the standards applicable.
- Designs and specifications may be developed and shown under entries in the cross reference section.

Key	M = mentor	Cr = Cross reference nu	mber	Report #		
	1	Mentor Name		Specific Technolo discussio		r
1 Evec	utiva Summary – conc	cise summary of WIL covere	d during this	renorting period		
1. Exec	utive Summary – conc	ise summary of VVIL covered	a uuring inis	τεροτιτιά μετίου		
	pment description/in ls of connection and p	ter-connection (For insta	nce the oper	ating principles, function	n,	Cr
					-	
	_	se of or inter-connection of t, in which configuration a			zeloped	Cr
				,		
			<u> </u>			
						-
						i

Document 3 Engineering Practical –1 Portfolio Outline Report Template[P-1] Pg-2

Integration of prior academic knowledge with WIL skills & practices developed. For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. The provide your design and specification of developments in the technology and the idation there of.)	Integration of prior academic knowledge with WIL skills & practices developed. (For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be corporated in this task?)
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
For instance what past academic theories and skills developed at P-1 to date, were integrated to this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Every our provide your design and specification of developments in the technology and the idation there of.)	(For instance what past academic theories and skills developed at P-1 to date, were integrated o this current task. What energy efficient or modern technologies are or could be
o this current task. What energy efficient or modern technologies are or could be orporated in this task?) Skills developed in providing & validating specification & design of equipment systems. Pere you provide your design and specification of developments in the technology and the idation there of.)	o this current task. What energy efficient or modern technologies are or could be
Skills developed in providing & validating specification & design of equipment systems. ere you provide your design and specification of developments in the technology and the idation there of.)	
Skills developed in providing & validating specification & design of equipment systems. ere you provide your design and specification of developments in the technology and the idation there of.)	corporated in this task?)
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
ere you provide your design and specification of developments in the technology and the idation there of.)	
idation there of.)	
	idation there of,)
Tille de alemania de la constitución de la constitución de Constitución de Marie de Marie de Constitución de C	
11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
okilis developed in observation & application of South African National Standards, other	Skills developed in observation & application of Ssouth African National Standards, other
	gulations and safety aspects linked to your current task.
unitions and surely aspects mixture to your eartern tasks	municipal unit surety aspects mixed to your current tasks
ross-disciplinary skill development, applications or observed potentials, linked to other	
	Cross- disciplinary skill development applications or observed potentials, linked to other
inches of engineering during the task.	Cross- disciplinary skill development, applications or observed potentials, linked to other
	Cross- disciplinary skill development, applications or observed potentials, linked to other anches of engineering during the task.

Document 3 Engineering Practical –1 Portfolio Outline Report Template[P-1] Pg-3

110 1	eports	continued	Template 5	Col	npilation or	uei	
	kills devel tudes.	lopment in you	ur technical approach	to person	al, inter-pers	sonal & wor	kplace
10.	Competen	cies develope	d to function, indepe	ndently o	r as a team n	nember.	
ve i ned	:	and original d		TL experie		k place.	
K	eport Asse	essment by Me	entor				
Ple		ile a composite	e assessment score out Outcomes from IS	t of 5 for t	the grading of the gr	of this repor	t.
Key	5=	Excellent	4 = Above average	3 = Acc	included.	2 = Poor	1 = not acce
псу		Execuent	1 Thore average	o rice	ершые	2 1001	1 Hot dece
Mat A	trix Lea	rner's actions a	& commitment to WIL	during th	e recording _]	period (sco	re out of 5)
1	Punctual	ity and time ke	eeping				
2	Shows a	keen initiative	in learning practical to	asks			
3			rate to others in the in		vironment		
4			te theory and practice				
5		_	eory and learn the pra			1 /	`
Mat B			earner's reporting per			ered (scor	e out of 5)
1		-	integrate theory and p	ractice by	examples		
2			minimal supervision	1		7	`
3			integrate safety & regu				
4 5			relate and integrate cr		•	us per exampl	ies)
5 May	Can expi = 50	am me workin	gs and inter-rations of Total (matrix A +				
			·				
Sco	re of trans	terred value ou	ut of 5 maximum (Tot	ai/10)			
		1				ı	_
Nτ	ntor's name		<u>.</u>	gnature		Dat	

Document 4 Engineering Practical –2 Portfolio Outline Report Template[P-2] Pg-1 **Portfolio reports** Template 5

Each report must include FULL <u>completion</u> of the mentor's assessment report.

The purpose of these reports and their layout is to guide the learner in reporting to a known academic standard (here NQF-6). Each report developed on the specific technology (distribution, protection, maintenance, etc.) as per the registered MoU, is also particular to your workplace specifics of equipment, function and operation. You must analyse your WIL experiences in the specific technology in deciding how best to provide entries under the common headings below.

Please make copies of this blank template, to initially develop drafts for discussion with your mentor and when appropriate, finalised as hand-written reports for compilation. Compile the required 6 reports in the compilation order E1 to E6.

Note: A minimum of 2 cross-references is required per report.

Key	M = r	nentor	Cr = Cross reference num	ber		Report #	
	M #		Mentor Name	!	Specific Techno	ology under discus	ssion
					_		
1. Execut	ive Sui	nmary (Ca	oncise summary of WIL techno	ologies a	nd situations cov	ered in this reporting	g Cr
2. Equip	ment de	escription/	inter-connection (For insta	nce the c	meratino nrincin	les. function, method	ls of Cr
		ecaution in			, ,	, ,	
	,		,				
assessmo	ent. (For	r instance in	preliminaries of engineer				Cr
problem i	naicatea	ana now is	it verified?).				
			viding and validating spec ering problem in this techi			of equipment syste	ms Cr
		-					

Document 4 Engineering Practical –2 Portfolio Outline Report Template[P-2] Pg-2 P2 Portfolio reports continued Template 5 Cr 5. Realistic or synthesised problem associated with the technology under discussion. (For instance, define the engineering problem, its indication, contributing factors and consequences. What intervention were suggested and used with what results?) 6. Integration of prior academic and WIL knowledge in solving the engineering problem. (For Cr instance what past academic theories and skills developed at P-1 were integrated in solving the problem.) 7. Skills developed – In the integration of the latest technology, applications of regulations Cr (South African National Standards) in the solution to the engineering problem. (emphasis on modern technology & efficiency) 8. Cross- disciplinary skill development, applications or observed potentials, linked to other Cr branches of engineering during the task.

Document 4 Engineering Practical –2 Portfolio Outline Report Template[P-2] Pg-3 Portfolio reports continued Template 5 Compilation order 9. Skills development in your technical approach to personal, inter-personal & workplace Cr 10. Competencies developed to function, independently or as a team member. Cr ____ validate that the reporting details Learner's validation:- I_ above is my own and original developments of the WIL experiences that took place. Signed: _ Dated: _____ Report Assessment by Mentor Instruction to the mentor Please complete the matrix in assessing this report. Conduct the assessment for each final report entry with the learner, AFTER the learner has COMPLETED the report for compilation into the portfolio. Please, compile a composite assessment score out of 5 for the grading of this report. Outcomes from ISP developed and conducted assessments may also be **Outcomes assessment** included. Key 5 = Excellent4 = Above average 3 = Acceptable 2 = Poor1 = not acceptable Learner's actions & commitment to WIL during the recording period (score out of 5) Matrix Punctuality and time keeping Shows a keen initiative in learning practical tasks 3 Courteous and considerate to others in the industrial environment Shows ability to integrate theory and practice 4 5 Is able to explain the theory and learn the practice Matrix At the end of the learner's reporting period, in the section covered (score out of 5) В Demonstrate ability to integrate theory and practice by examples Can work & learn with minimal supervision 2 Demonstrate ability to integrate safety & regulation in given tasks (as per examples) 3 4 Demonstrate ability to relate and integrate cross-disciplinary tasks (as per examples) Can explain the workings and inter-rations of equipment Total (matrix A + B) -----Max = 50Score of transferred value out of 5 maximum (Total/10) ------Mentor's name Signature Date

Note

This final report is intended to provide feedback on the learner's training period. It is required that the learner provides a brief formal presentation to the personnel involved in the training received, on the technological and personal skills developed in overview during the period.

The company representative should facilitate the entries and compile this report on the learner's presentation.

Kindly complete all sections please – Document is for DUT accreditation purposes. *A copy of this report must be loosely inserted and not bound in the portfolio, to act as feedback for the academic department.*

Final on-site Assessment and Feedback Report

Instructions:- Please complete and officiate sections as indicated

- 1 Company representative Sections A, C, D & E
- 2 Learner Sections B 3. Engineering Assessment Team (if applicable) Sections C, D & E.
- 4. The most appropriate response is to be indicated, by marking, where applicable

Com	npany								
Divi	sion								
Lear	mer	Surname &	r Init						
	lent No	ourname o	. 11110	Training To e					
Plan	it / section in v	which the tra	aining was l	pased?					
Lear	ner's Comme	nts	Please i	ndicate the most appr	opriate option =NO	by marking Y=	Yes or N		
Are you satisfied with the level and intensity of work-integrated learning [WIL] offered?									
2	Has your technical communication skill been improved with this portfolio development?								
2	Has this WIL period complimented your academic training in terms of theory & practice?								
3	Have you been appropriately supported with training materials and technical references?								
4	Would you	in the futur	e, like to pa	rticipate in WIL indus	trial liaison co	mmittees?			
Gen	eral Comment	:s:					<u> </u>		
							•••••		
Sugg	gestions on fut	ture improve	ements to th	ne WIL program at you	r company:				
				program at you					
			to to th	a NATT manistration and	l d	to DI	T.		
C	gestions on rui		ts to tr	ne WIL registration and		umentation to DC	11:		
Sugg		Trainee under supervision							
Sugg									

Final on-site Assessment Report continued Template 6

			· I · · · · · · · · · · · · · · · · · ·	-F			
C	Engir	neering Assessme	Comple	Complete where applicable			
	M1	Principal Mentor		Tel		email	
	M2	Mentor		Tel		email	
	МЗ	Mentor		Tel		email	
	M4	Mentor		Tel		email	
	EM	Engineering Manager		Tel		email	

D	R	eport - General	To be completed by the engineering assessment tear	n mer	nber(s).			
		Questions Res		M 1	M 2	M 3	M 4	E M	
	1	Are you satisfied with development during t	the learner's overall progress and technical					_	
	2		te learner's reported and demonstrated skills able for the general electrical power industry.						
	3	From association with the learner's training, would you recommend this person to the industry as proficient in the skills developed?							
	4	Please indicate if you would like to participate in our departmental WIL							

Outc	omes a	ssessment		Outcomes from be included.	om comp	any develo	ped an	d con	ducte	ed ass	essme	ents n	nay al	iso
Key	5 = Ex	cellent	4 = Al	ove average	3 = Acc	eptable	2 = P	oor 1 = not acceptable						
Abbre	eviation	ns M1= 1		al mentor; M = r	•	EM = Eng	ξ.	Ave = Average score						
Matri	x 1	Company	y asses	sment of learner's WIL outcomes					Α	M	M	M	M]
									ve *	1	2	3	4	1
1	Learning & enthusiasm capacity displayed						5							
2	Abilit	y to integr	ate thec	ory and practice	by exam	ples		5						
3	Can v	Can work & learn with minimal supervision						5						
4	Abilit	Ability to integrate safety & regulation in given tasks						5						
5	Abilit	Ability to relate and integrate cross-disciplinary tasks						5						
6	Show	n initiative	in dev	eloping and exp	oanding t	asks		5						
7	Neat,	correct and	d thoro	ugh in complet	ion of tas	ks		5						
3	Capa	city shown	in integ	gration of latera	l thinkin	3		5						
)	Funct	ion as com	petent	individual or as	s part of a	team		5						
10	Good	work etho	s and to	echnical commu	unication	skills		5						
Max =	= 50 Tot	als												
Trans	ferred	value out c	of 5 max	rimum (Total/1	10)									
Mento	or/Supe	ervisor's co	mment	s (as representa	tive of as	sessment te	am):							
Recor	nmend	ations:									ntor i	/Supe e:	rviso	r

Engineering manager's comments:	Engineering manager
	Signature:

Wo	rk-Integrated Le	arning	Visitatio	on date		Leve	l	P-		
Vis	itation Report	[WVR-1]R108	DUT A	cademic		Dista	nce	km		
Coı	mpany									
Cor	mpany		Tel							
•	resentative		Cell			emai	1			
or	Mentor									
				,	т. 1	1 . (. 11 (1			
Coi	mnany renresent	ative report and c	omment			ompleted by t the trainee rep	_		on to	
CUI	inpulty represent	ative report and e	omment			ed Y = Yes or		_		
1	Are you satisfie	d with the trainee'	s progress a							
2		nttitude and practi						ustrial		
2	environment?	•				1 ,				
3	Was the trainee	's level of academi	ic expertese	, acceptil	ble to y	our industry?				
4	Would you like	to participate in o	ur departme	ental WII	L indus	trial liaison co	mmitte	e?		
5	Please provide a quality rating [1 (lowest) to 5 (highest)] on our WIL programme and its							nd its		
	administration.									
C	1 C							Company	£!	
Gei								representa	iive	
• • • • •	• • • • • • • • • • • • • • • • • • • •		•••••		•••••		Signati	ıre.		
Signature:										
D	OUT visiting offic	cial report and com	nment	Please in N = N C		the most appro	priate op	otion Y = YES	6 or	
1	Training during	visitation is cond	ucted	In- house		On Contract		Training Centre		
2	WIL reporting o	documentation has	been inspe	cted and	l is in a	ccordance wit	h the re	gistered		
3		al training facilities I are deemed to be								
4		ons, it is recommer					•			
5		basic training don re been found, insp								
6	Recommended listing	Full P-1	Partial (m	ionths)		Full P-2		Partial (months)		
			<u> </u>				DUT	Academic offi	cial	
G	Seneral Comments	s / Recommendatio	ons: Optio	n[]a	pplies					
							Signa	iture		
•••		•••••	• • • • • • • • • • • • • • • • • • • •							
							Depa	rtment HOD		
Н	IODs Comments:									
Signature										
1										

	Lea	rner	Student No,	Surname &					
	Lea	rner's Com	ments	Plea	se indicate the most app	ropriate option $Y = YES$ or $N = NO$			
	1	Are you s	atisfied with th	ne level of w	ork-integrated learning	g [WIL] offered?			
	2	Has this V	VIL period con	nplimented y	your academic training	?			
	3	Have you	been suitably	supported,	on-site with training m	aterials and technical references?			
	4	Are you satisfied with your DUT presented academic knowledge on modern technology in the field of machine/system automation, communication and integration?							
ļ	5	Please provide a quality rating [1 (lowest) to 5 (highest)] on our WII, programme and							
_									
•	Gen		nents:			Trainee under supervision			
	** Signature reflect the acceptance of this report as commented and signed off. ** ** Signature:								
_	Follow up:								
-	Tonow up.								

Copies to learner & mentor

Joct	Occument 7 Electrical Practice –1 Assessment Rubric Pg-1										
		[AD 1] Lagrante Portfolio Acco	ocam and	for I	A7D 1	l Dow	tfalias				
D.	[AP-1] Learner's Portfolio Assessment for WP-1 Portfolios Reg# Inits Surname										
Κŧ	g#		inits			Su	rname				
Cor	npai	ny									
	Notes: [Portfolio content/layout & Academic Assessment]										
	[1] Conduct preliminary assessment, if incorrect return to secretary for transmission to learner.										
	[2] Conduct assessment, score above 38 The final on-site assessment must be completed.										
	[3] The portfolio must be compiled as per the check sheet (Pg 2 of the learners portfolio document)										
	*** If the above points are not met, the learner must be contacted to re-submit the portfolio ***										
	[4]	Complete this form in evaluating	ng the a	ttach	ed p	ortfo	lio.	• •			
	[5]	Please provide reasons and guid	delines	to the	e lea	rner	if re-submis	sion is indicated			
	[6]	Return portfolio with complete	d assess	smen	t for	m to	secretary.				
		-					-				
A.	. Preliminary assessment of acceptance Tick ✓ or Cross										
	1	Recorded training 24-26 weeks	5			3	Cross refere	ence entries under Annex 2			
	2	2 6 portfolio reports presented 4 All portfolio reports assessed by mentor									

Assessment Please provide the assessment in figures ranging from 1 to 5 as per the key below.

	_			0 0							
Key	5 =	Excellent	4 = Above average	3 = Acceptable	2 =	Poor		1 = no	t acceptable		
Ma	trix 1	C	Overall Portfolio Layout a	nd structure		Ms	Ass	essor	Moderator		
1	Neati	ness of layou	t & presentation			5					
2	Suital	oility for 3rd	party presentation			5					
3	Syntax, spelling and grammar 5										
4	Brevit	ty and concis	seness			5					
5	Origi	nal work and	l content presentation			5					
Mat	trix 2	Overall l	earning experiences as in	dicated in portfolio		Ms	Ass	essor	Moderator		
1	Execu	tive summa	ry & content as per MoU			5					
2	Learn	er's reportin	g on actual work conduc	ted		5					
3	Techr	ical compete	ency shown in reports			5					
4	Technical content presentation at NOF-5 (Theory integrated with										
5	Exam	ples validati	ng integration of theory &	& practice		5					
6	Specif	fication of eq	uipment from manufact	urers catalogues		5					
7	Know	rledge / quot	ations from statutory / re	gulation documents	3	5					
8	Integr	ation of late	st technology in practice	(Eng. periodicals)		5					
9	Cross	referencing	of theory in addendum			5					
10	Rating	g as given in	final on-site assessment	at the end of period		5					
	Total	Score = 75	scores >38 signifie	es a pass		75					
Con	nments	by Assessor	:			Outcon	ıe:				
Sign	nature		Dated								
Com	nments	by Moderat	or [HOD]								
Sign	ature		Dated								

	[AP-2] Learner's Portf	olio Assessment	for WP-2	Portfolios					
Reg	#	Inits		Surname					
Comp	pany								
	Notes: [Portfolio content,	layout & Acade	mic Asses	sment]					
	[1] Conduct preliminary	assessment, if ind	orrect ret	ırn to secretary	for transmission to learner.				
	[2] Conduct assessment,	score above 38 T	he final or	n-site assessmer	nt must be completed.				
	[3] The portfolio must be	compiled as per	the check	sheet (Pg 2 of th	ne learners portfolio document)				
	*** If the above points an	e not met, the lea	ırner must	be contacted to	re-submit the portfolio ***				
	[4] Complete this form in evaluating the attached portfolio.								
	[5] Please provide reasons and guidelines to the learner if re-submission is indicated								
	[6] Return portfolio with completed assessment form to secretary.								

A.	Preliminary assessment of acceptance				Tick ✔ or Cross					
	1	Recorded training 24-26 weeks			3	Cross reference entries under Annex 2				
	2	6 portfolio reports presented			4	All portfolio reports assessed by mentor				

B. Assessment Please provide the assessment in figures ranging from 1 to 5 as per the key below.

Key		Excellent	4 = Above average 3 = Acceptable			Poor		1	ot acceptable		
	trix 1					Ms	Assessor		Moderator		
1							1130	503501	Wioderator		
2			party presentation		5 5						
3			nd grammar		5						
		1 0									
4	Brevi	y and concis	seness		5						
5	Origi		d content presentation		5						
Ma	Matrix 2 Overall learning experiences as indicated in portfolio							sessor	Moderator		
1	Execu	ıtive summa	ry & content as per MoU		5						
2	Techr	ical compet	ency shown in reports			5					
3	Techr Synth		presentation at NQF-6 (F		5						
4		ples validati igation	ng problem & solution o		5						
5	Knowledge / quotations from statutory / regulation documents										
6	Integr	ation of late	st technology in practice		5						
7	Cross	referencing	of theory in addendum		5						
8	Rating	g as given in	final on-site assessment		5						
		Pertai	ning to the separate proje	ct report							
9	Academic standard of separate project report					5					
10	Technical detail of report in terms of skills developed										
	Total	Score = 75	scores >38 signifie	es a pass		75					
Con	Comments by Assessor:						Outcome:				
Sign	nature		Dated								
Comments by Moderator [HOD]											
Sign	ature		Dated								