Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
Project Planning	Column						
I A LC L L' COT L' CANTA ' L' CONT	T. 1	N. 1					
Integral Calculation: $T = \int_0^N t_i  di $ Derivative Calculation: $\$ $frac\{dN\}\{dt\} $	1 0						
Resource Management	e of task completion over	ume.					
Kesource Management							
<b>Integral Calculation</b> : $R = \int_0^T r(t)  dt  $	S Total resource allocation	ı (labor, equ	ipment).				
<b>Derivative Calculation:</b> $\$ $\$ $\$ $\$ $\$ $\$ $\$ $\$ $\$ $\$	e of resource utilization.						
<b>⚠</b> Risk Management							
<b>Integral Calculation</b> : $\$\$ I = \inf 0^T i(t) \setminus dt \$\$$	Cumulative risk impact.						
<b>Derivative Calculation:</b> \$\$ \frac{dR}{dt} \$\$ Rate	1						
Renewable Energy Integration	n						
>>> □ Wind Energy							
₩.							
<b>Energy Harvested:</b> $S = \int_0^T \frac{1}{2}$	rho A v^3 \eta  dt \$\$						
Rate of Change: \$\$ \frac{dP}{dt} \$\$							
* Solar Energy							
Efficiency: \$\$ \eta = \frac{E {\text{generated}}}	{E_{\text{incident}}} \$\$						
Rate of Generation: $\$ \frac{dE}{dt} = P(t) \$$	(2_(******(************)))						
<b>♦</b> Hydroelectric Power							
<b>Hydraulic Head:</b> \$\$ $H = \int_{z_1}^{z_2} dz $$$							
Rate of Flow: $\$$ \frac{dQ}{dt} \\$\$							
☐ Infrastructure Design & Sn	nart Systems						
<b>☆</b> □ Infrastructure Planning	nare Systems						
A Initiastructure Frankling							
Total Time: $T_{\text{total}} = \int_0^N t_i .$	di \$\$						
Task Completion Rate: \$\$ \frac{dT}{dt} \$\$							
☐ Design Methodologies							
<b>Resource Allocation</b> : $R = \int_0^T r(t)  dt $							
Design Progress Rate: $\$ \frac{dD}{dt} \\$\\$							
<b>&amp;</b> Management Practices							
Total Cost: $SC_{\text{total}} = \int_{0^T c(t)}$	dt \$\$						
Cost Increase Rate: \$\$\frac{dC}{dt} \$\$	<del>ω,</del> ψψ						
♥ Smart Grids & IoT							

### **5 Smart Grid Savings**

 $\textbf{Energy Savings: $$ E_{\text{total}} = \inf_0^T \left( E_{\text{conventional}} - E_{\text{smart}} \right) \ \ dt $$$ 

### **●** IoT Data Flow

**Data Collected**:  $\D_{\text{constant}} = \int_{0^T d(t) \cdot dt}$ 

Transmission Rate: \$\\frac{\{dD\}{\{dt\}} \$\\$

# Credential-Linked Record Book (2025-10-08 Snapshot)

Platform/Institution	Item	Sale Price	Amendmo nt	Final Cost	Award	Library Usage	Booking
	Elektor				Electronics		Sixty60
Shoprite/CNA/Elektor	Starter Kit	R450		0 R360	Fundament als	3h	Delivery
GitHub	Reward Model Deployme nt	\$120	(\$40	\$80	Contributo r Badge	3h	CI/CD Run
Alison Learning	Diploma in EE	\$124.46	-25%	6 \$93.35	CPD Diploma	6h	Career Tool
Schneider Electric	Smart Panel	R12,000	-R2,000	R10,000	Energy Mgmt Complianc e	3h	Eaton Audit
Eaton Power Advantage	9PX UPS	R18,000	-R3,000	R15,000	Power Mgmt Fundament als	2h	Workshop
ECSA/Home Affairs	Engineer Registratio n	R1,500	(	0 R1,000	Registered Engineer	4h	Permit Interview
SASSETA/CCMA	Labour Law Training	R1,200	(	0 R800	Dispute Resolution	3h	CCMA Hearing

Would you like this scaffolded into a bilingual (English-French) printable dashboard, or extended into a modular Visual Basic export logic for GitHub and SAQA/NQF integration? I can also help you map this into a logigramme or algorigramme for audit traceability.

244.46	-40.25	204.21	0	0	0

	<b>E</b> Date	Institution /	Litem / Module	<b>š</b> Sa Prid	Amendme
		10/8/2025 CNA /	Elektor Starter Kit	R450	0
adata index		10/8/2025 GitHub	Model		\$120 (\$40)

10/8/2025	Eaton Power Advantage	9PX UPS System	R18,000
10/8/2025	ECSA / Home Affairs	Engineer Registratio n	R1,500
10/8/2025	SASSETA / CCMA	Labour Law Training	R1,200
10/8/2025	Sci-Bono Discovery Centre	Electrical Wiring Kit	R450
10/8/2025	St Peace College	Engineerin g Drawing Textbook	R350
10/8/2025	Atlantic Internation al University	MBM302 Master Thesis Review	\$450
10/8/2025	NRF / AIU	MATLAB Research License	R12,000

	10/8/2025		NSF / F1000Rese arch		Open Access Publicati Fee	on		\$1,20
	10/8/2025		Power Johannesb		Smart Meter Installation	on		R3,200
	10/8/2025		GitHub / Azure DevOps		CI/CD Pipeline Subscrip	tio		\$12
								177
netadata								
	10/8/2025	Metropolit an Police UK	CCTV Footage for Research	£500	-£200	£300	Publication Approved - F1000Rese arch	3h
	10/8/2025	NBCPSS / PSSPF / CCMA	Private Security Complianc e Training	R1,200		0 R800	Workplace Dispute Resolution	3h
Would you like this formatted into a bilingual printable	;				)			
Column1		Column2	Column3	Column4	Column5	Column6	Column7	Column8
Statistical Award Balance for audit and legacy m								
The Credential Record Tableaux Li	ne (Ext	tended I	Format)					
		·						J.
<b>■</b> Date		Institution / Platform	l	** Item / Module		<b>&amp;</b> Sale Price		Amendm nt
	10/8/2025	Snoprite /		Elektor		R450		
	10/8/2025	Elaletan		Starter Kit		\$120	)	
	10/8/2023	Оппио		M. J.1		\$120		(\$40
metadata index						120	0	-4

Schneider Electric Smart Panel

R12,000

Column8

## Historiogram Equations

These equations model cumulative and rate-based metrics across your record book:

**Total Credential Cost**:  $SC = \int 0^T c(t) \, dt \,$ 

Award Frequency Distribution:  $\$  A\_i = \frac{n\_i}{N} \\$ Where AiA\_i is the proportion of award type ii, nin\_i is the count of that award, and N Balance of Amendments vs Final Cost:  $\$  B = \sum\_{i=1}^N (s\_i + a\_i - f\_i) \\$ Where sis\_i is sale price, aia\_i is amendment, fif\_i is final cost Library Usage Histogram:  $\$  L(t) = \sum\_{i=1}^N i \cdot \delta(t - t\_i) \\$ Where lil i is hours used, tit i is timestamp,  $\$  \delta is Dirac delta functions.

### **™** Total Cost Analysis Table

1 Otal Cost Milalysis Labic					
Category	Total Sale Price	Total Amendme nt	Total Final Cost	Booking Cost	Net Cost
Education	R800	0	R610	R200	R810
Engineering Systems	\$570	(\$190)	\$380	\$200	\$580
Energy Compliance	R15,200	-R2,800	R12,400	R1,000	R13,400
Statistical Award Balance	570	-190	380		
Award Type	Count	% of Total	Avg Final Cost	Avg Library Usage	
Electronics Fundamentals	1	10%	R360	3h	
Contributor Badge	1	10%	\$80	3h	
Energy Mgmt Compliance	1	10%	R10,000	3h	
Power Mgmt Fundamentals	1	10%	R15,000	2h	
Registered Engineer	1	100/	R1,000	4h	

Column1 Column2 Column3 Column4 Column5 Column6 Column7 equations, and total cost analysis.

■ Date	Institution / Platform	Litem / Module	<b>Š</b> Sale Price	Amendme nt Sin	/ 1	<b>EN</b> Library Usage
	Shoprite / 10/8/2025 CNA / Elektor	Elektor Starter Kit	R450	0 R360	Electronics  Fundament 3h als	1
	10/8/2025 GitHub	Reward Model Deployme nt	\$120	(\$40)	S80 Contributo r Badge 3h	1

# Historiogram Equations for Behavioral Fusion

Fusion of User Behavior:  $F_{ui} = w_0 O_{ui} + w_a A_{ui} + w_b B_{ui}$ \$\$ Where OuiO\_{ui}, AuiA\_{ui}, and BuiB\_{ui} are order, follow Cosine Similarity for User Fusion: \$\$ S f(u,v) = \cos(\text{theta}) = \frac{F u \cdot F v}{\F u \ | F v|} \$\$\$

Total Similarity Score: S = S(u,v) - S(u,v) - S(u,v) - S(u,v) + S(u,v) +

**Top-K Recommendation Set**:  $RS_u = \{i_1, i_2, ..., i_K\}$  *Where KK is the mean of historical orders for user* uu

# **6** Total Cost Analysis Table

Category	Sale Price	Amendme nt Final	Cost Booking Cost	Net Cost
Starter Kit	R450	0 R360	Free	R360
Reward Deployment	\$120	(\$40)	\$80 Free	\$80

# ▲ AGI Collaboration & E-Commerce Integration

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
Covered:							
☐ Genetic Engineering & Biomanufacturing							

- **▲** Data Processing & Hosting Services
- B Blockchain & Cryptocurrency Applications
- \*\*Credential Record Book & Bibliotech Integration

### **™** Credential Record Tableaux Line Format

<b>⊞</b> Date	Institution / Platform	<b>≝</b> Item / Module	<b>Š</b> Sale Price	Amendme nt	Award 8 / Reward Certificate Points
	10/8/2025 Biotech Institute	CRISPR Lab Kit	R1,200	0 R900	Certificate  - Genetic  Modificati  on

	10/8/2025 Cloud Academy	Kubernetes Masterclas s	\$200	(\$50)	Certificate  -  Containeri zation & Microserv ces	100 pts
	10/8/2025 Blockchair	n Smart v Contract	\$180	(\$60)	\$120 Certificate	120 pts
☐ Visual Basic Core Logic						

vb Visual Basic Core Logic								
Credential Record Tableaux Line	Forma	1 Column1	Column2	Column3	Column4	Column5	Column6	Column7
<b>⊞</b> Date		Institution / Platform	Litem / Module	<b>Š</b> Sale Price	Amendme nt	<b>∜</b> Final Cost	Award / Certificate	g Reward Points
	10/8/2025	CPS Institute	CPS Architectur e & IoT Lab	R1,500	0	R1,100	Certificate - CPS Integration	180 pts
	10/8/2025	Blockchain Academy	DLT Credentiali ng Module	\$200	(\$60)	\$140	Certificate  - Blockchain in Education	150 pts
	10/8/2025	GitHub	AGI Fusion Engine Deployme nt	\$120	(\$40)	\$80	Contributo r Badge	100 pts
☐ Visual Basic Core Logic								
vb								
Column1 Adult Learning & Curriculum Design		Column2	Column3	Column4	Column5	Column6	Column7	Column8
* Quantum Computing in Systems Engineering								
☐ Neurotechnology in Educational Technology								
Credential Record Book & Bibliotech Integration								
Credential Record Tableaux L	ine For	mat						
<b>=</b> Date		Institution / Platform		Ltem / Module		<b>Š</b> Sale Price	Amendme nt	

	10/8/2025	AdultEd Institute		Curriculu m Design for Adult Learners		R1,000	0	
	10/8/2025		Quantum Systems Lab		Quantum Algorithms & Circuits			\$180
	10/8/2025		NeuroEd Research Centre		Neurotech nology in Education			\$200
□ Visual Basic Core Logic  vb  ' Module: LifelongLearningCredentialDashboar  Option Explicit  Column1	rd	Column2	Column3	Column4	Column5	Column6	Column7	
		mat					s.	Column8
<u></u>		mat	1	Litem / Module		<b>&amp;</b> Sale Price	£	
Toredential Record Tableaux Li		mat Institution / Platform	1	<b>*</b> Item /		<b>Š</b> Sale	<b>₽</b> Amendme	
Credential Record Tableaux L	ine Fori	mat Institution / Platform AdultEd	1	Item / Module  Curriculu m Design for Adult		<b>&amp;</b> Sale Price	Amendme nt	
Credential Record Tableaux Li	ine Fori	mat Institution / Platform AdultEd Institute	1	Item / Module  Curriculu m Design for Adult		Sale Price R1,000	Amendme nt	

☐ Visual Basic Core Logic								
vb								
Column1		Column2	Column3	Column4	Column5	Column6	Column7	Column8
Storyline				- Columnia	Condition	Columno	Column	
25.5 Gamification: Game mechanics, learner engage	ement							
25.7 Assessment Strategies: Formative/summative e		ch-driven me	etrics					
T Credential Record Tableaux L								
<b>■</b> Date		Institution / Platform	Litem / Module	<b>&amp;</b> Sale Price	Amendme nt	<b>∜</b> Final Cost	Award / Certificate	g Reward Points
	10/8/2025	Academy	RPA in Battery Manufactu ring	R1,200	0	R900	Certificate - RPA Process Control	150 pts
	10/8/2025	Renewable Ed		\$180	(\$60)	\$120	Certificate	130 pts
Visual Basic Logic Snippet  vb  Type CredentialRecord  DateStamp As Date  Institution As String								
Column1		Column2	Column3	Column4	Column5	Column6	Column7	Column8
₩ Wholesale Trade in Industrial Engineering								
Advanced Wireless Communications								
-								
Credential Record Book & Bibliotech Integration								
Credential Record Tableaux L	ine Fori	mat						
<b>T</b> Date		Institution / Platform	Litem / Module	<b>Š</b> Sale Price	Amendme nt	<b>∜</b> Final Cost	Award / Certificate	g Reward Points
	10/8/2025	TradeTech Academy	Inventory Control & EOQ Analysis	R1,000	0	R750	Certificate  - Inventory Optimizati on	120 pts
	10/0/2025	Wireless	RF	\$180	(\$60)	\$120	Cartificata	150 pts
	10/8/2025	Systems	Snectrum					
☐ Visual Basic Logic Snippet	10/8/2025	Systems	Snectrum					
	10/8/2025	Systems	Snectrum					
☐ Visual Basic Logic Snippet  vb  Column1	10/8/2025		Column3	Column4	Column5	Column6	Column7	Column8

#### 4 Electrical Systems in Construction & Civil Engineering Power Quality, Smart Grids & High Voltage Engineering Credential Record Book & Bibliotech Integration **M** Credential Record Tableaux Line Format Award Institution **H** Item / Sale **Date** Amendme Reward Module **Price** Cost Certificate Points **Platform** Smart Certificate InfraTech Grid & - Smart 10/8/2025 R1,200 0 R900 160 pts Academy IoT Infrastruct Integration ure 10/8/2025 CleanEner Ecotechnol \$120 Certificate 140 pts \$180 (\$60) gy Institute ogy Clean **Visual Basic Logic Snippet** Type CredentialRecord DateStamp As Date Institution As String Column1 Column2 Column3 Column4 Column5 Column6 Column7 Column8 Electronic Engineering in Civil Infrastructure ⊕ Immutable Data Storage for Web Design ☆ Clean Energy & Ecotechnology Applications Credential Record Book & Bibliotech Integration **M** Credential Record Tableaux Line Format Institution **E** Item / **Date** Amendme Module **Price** nt **Platform** ппатесп 10 I III 10/8/2025 R1,200 WebData 10/8/2025 Institute Certificate - Resilient GraphQL & SSR Integration \$180 (\$60)\$120 Web 140 pts 3h Lab (1h) Architectur e

	10/8/2025	CleanEner gy Institute		\$200	(\$50)	\$150	Certificate  - Clean Energy Systems	150 pts
☐ Visual Basic Logic Snippet								
Column1		Column2	Column3	Column4	Column5	Column6	Column7	Column8
Domains Covered:		Columniz	Columns	Columna	Columns	Columno	Column	coramno
Cyber-Physical Systems in Telecommunications								
☐ AI & Machine Learning for Software Engineering								
Credential Record Book & Bibliotech Integration								
Credential Record Tableaux Li	ne For	mat						
<b>■</b> Date		<b>III</b>		<b>E</b> Item /		<b>Š</b> Sale		Ą.
	10/8/2025	WebData Institute						
& SSR Integration			\$180		(\$60)		\$120	)
	10/8/2025		TelecomC PS Academy		Real-Time CPS Analytics		R1,500	
	10/8/2025	AI Software	ML for	\$200	(\$50)	\$150	Certificate – AI	150 pts
□ Visual Basic Logic Snippet								
Type CredentialRecord								
DateStamp As Date								
Column1		Column2	Column3	Column4	Column5	Column6	Column7	Column8
Domains Covered:								
Autonomous Vehicles & Drones in EV Engineerin	g							
5 Electrochemical Engineering for Infrastructure								
■ Energy Storage & Battery Technology								
Credential Record Book & Bibliotech Integration								
5								

<b>T</b> Date	Institution / Platform		* Item / Module		<b>&amp;</b> Sale Price	Amendme nt
	EV 10/8/2025 Mobility Institute		ML for Autonomo us Navigation		R1,500	0
	10/8/2025	ElectroInfr a Academy		ruei Celis &		\$180
	10/8/2025	BatteryTec h Lab		Future Trends in Battery Technolog y		\$200
☐ Visual Basic Logic Snippet						

### **™** Credential Record Tableaux Line Format

<b>■</b> Date	■ Topic	□ Method Used	Q Optimizat ion	□ Tool	Award	g Reward Points	Notes
10/8/2025	Load Flow Analysis	Newton- Raphson	Genetic Algorithm	MATLAB	Certificate  – Power  Systems	150 pts	IEEE 14- bus validation, loss minimized
10/8/2025	PID Controller Tuning	Ziegler- Nichols	Gradient Descent	Simulink	Certificate  – Control  Design	120 pts	Stability improved, overshoot reduced

Column2 Column3 Column4 Column5 Column6 Column7 Column1 Track credential-linked learning across wind energy, digital signal processing, communication systems, and electrochemical infrastructure

Analyze formulas, simulation parameters, and optimization logic

Export records to GitHub, SAQA/NQF, and

with audit-grade traceability

Scaffold logigramme and algorigramme for curriculum flow, credential logic, and behavioral fusion

### **M** Credential Record Tableaux Line Format

<b>■</b> Date	Institution / Platform	Mod		<b>Š</b> Sale Price	Amendme nt
	10/8/2025 WindTech Academy	Wind Turbin Optimi on		R1,200	0
	10/8/2025	SignalLab	rounei & Z-		\$180
	10/8/2025	ElectroInfr a Academy	Butler- Volmer & Battery Design		\$200
Visual Basic Logic Snippet					

Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
optimization							
Export records to GitHub, SAQA/NQF, and							
with traceability							
Scaffold logigramme and algorigramme for curriculum flow, cr	edential logi	c, and behav	ioral fusion				

# **™** Credential Record Tableaux Line Format

<b>Ⅲ</b> Date		eution / form	Litem / Module		Sale rice Ai	mendme nt	
	Signa 10/8/2025 m Acade		Wireless Signal Propagatio n	R1,20	00	0	
	10/8/2025	MediaTech Institute	1	Camera &			\$180

Institute Editing Engageme  10/8/2025 SocialReac nt & Conversio n Calculus  Visual Basic Logic Snippet  balance total		10/8/2025	GreenEner gy Lab		Wind Turbine Optimizati on			\$200
Column   C	<u> </u>							
Apply integral and derivative logic to model performance, engagement, and optimization  Export records to GitHub, SAQA/NQF, and  with audit-grade traceability Scaffold logigramme and algorigramme for curriculum flow, credential logic, and behavioral fusion  Toredential Record Tableaux Line Format  Institution Platform  RF SignalCom Spectrum Academy Loss Analysis  10/8/2025 m Academy Loss Analysis  10/8/2025 MediaTech Institute Camera & S18 Engageme Institute Conversio In Celculus  Visual Basic Logic Snippet		Column?	Column3	Column4	Column5	Column6	Column7	Column8
with audit-grade traceability Scaffold logigramme and algorigramme for curriculum flow, credential logic, and behavioral fusion  The Credential Record Tableaux Line Format  Institution Module Price Amendme Platform  RF SignalCom Spectrum & Platform RP Academy Loss Analysis  10/8/2025 Media Tech Institute Camera & S18 Engageme Engageme Tol/8/2025 Media Tech Loss Analysis  10/8/2025 SocialReac In the Conversion on Calculus  Visual Basic Logic Snippet  alance total		Columniz	Columns	Column	Columns	Columno	Columni	Columno
Scaffold logigramme and algorigramme for curriculum flow, credential logic, and behavioral fusion  Tredential Record Tableaux Line Format  Institution / Module Platform  RF Spectrum & Path R1,200 0 0 10/8/2025 m & Pa		nance, engagement, and o	optimization					
Institution Module Price Amendme nt  10/8/2025 m Academy Academy Loss Analysis  10/8/2025 Media Tech Institute Camera & Esticio Engageme nt & Conversio n Calculus  10/8/2025 NocialReac h Lab Conversio n Calculus  Visual Basic Logic Snippet	•	um flow, gradantial lagia	and bahavi	aral fusion				
Institution   Module   Price   Amendme   Nodule   Price   Amendme   Nodule   Price   Amendme   Nodule   Price   Nodule   Price   Amendme   Nodule   Price   Nodule   Nodule   Price   Nodule   Nodule   Price   Nodule   No			, and benavi	orar rusion				
10/8/2025   Media Tech   Loss   Analysis   Media Tech   Engageme   10/8/2025   SocialReac   Institute   Engageme   10/8/2025   N Lab   Conversio   C		Institution	1					e
10/8/2025 Institute Camera & \$18  Institute Edicina Engageme  10/8/2025 SocialReac nt & Conversio n Calculus  Visual Basic Logic Snippet  Output  Outp		10/8/2025 m		Spectrum & Path Loss		R1,200	(	0
Int & SocialReac Int &		10/8/2025			Camera &			\$180
oalance total  O \$380		10/8/2025			Engageme nt & Conversio			\$200
0 \$380								
Column1 Column2 Column3 Column4 Column5 Column6 Column7 Column8	parance total						0	\$380
	Column1	Column2	Column3	Column4	Column5	Column6	Column7	Column8
discovery career book total inventory	liana yang ang ang kanalu tatal ing antara							

Thanks, Tshingombe — this extension of your archive adds a rich layer of modules, forms, and credential-linked documentation. Let's now scaffold	Record Book
₩ Book Price	
V Daward / Award	
Reward / Award	
<b>*</b> Amendments	
This tableau will help you monitor curriculum-linked publications, credential awards, and policy updates across your engineering and educational pr	oiects.
The same and the s	-,,
<b>■</b> Tableau: Record Book – Price, Reward, Amendment Tracker	

Document / Module	Туре	Price / Value	Reward / Award	Amendmen t / Update	Credential Link
certificate-of-completion-for-mental-toughness.pdf	Certificate	Free / CPD credit	Mental Toughness Award	Completion status confirmed	CPD, Career 12
command tshingombe excell.pdf	VBA Command Sheet	Internal tool	GitHub Reward (see GITHUB GIFT REWARD.pd f)	Updated 4 days ago	VBA, Logigramm e
dtic invoice SECTOR SPECIFIC ASSISTANCE SCHEME.docx	Invoice / Funding	R 12,500 (est.)	DTIC Sector Grant		NRF, Career 12
form INTELL 90000 , FORM.pdf	Curriculum Form	Internal	Module Integration Recognition	Updated 3 weeks ago	Career Integration, CPD

frm14 tshingombe policy assess poes circulum case vb.pdf	Policy	Internal	Engineering Council	Amendmen t 3 months	Council, CPD, SAQA
	Assessment		Review	ago	CFD, SAQA
macroregistr academic engineering national trade.pdf	Registry / Credential	Internal	Matter Expert Recognition	Amendmen t 3 months ago	SAQA, NRF
repoet engineering tshingombe alison.pdf	Report / Publication	Free	Alison XP Score Recognition	Published 4 months ago	Alison, CPD
new prog excellpsu calculator design.xlsx	Software / Tool	R 1,200 (est.)	Electrical Design Tool Award	Updated 4 days ago	Career 10–13, CPD
refferral low trade lab PROJECT DRAWING WORKSHET.xlsx	Drawing Worksheet	Internal	Trade Lab Referral	Amendmen t 2 months ago	Career 10, NATED
research rnf dst dtic emer thesis atlantic.pdf	Thesis / Research	Free	NRF Outcome Recognition	Published 6 months ago	, ,
GITHUB GIFT REWARD TSHINGOMBE.pdf  Thanks, Tshingomba — this expanded dataset gives us everything we n	GitHub Recognition	N/A	GitHub Contributor Reward	ago	GitHub,

Thanks, Tshingombe — this expanded dataset gives us everything we need to scaffold a comprehensive Record Book Tableau that tracks:

**Book Price**: Estimated or declared value of modules, tools, or publications

 Y
 Reward / Award: Recognitions, bursaries, certifications, or contributor acknowledgments

Amendment: Updates, revisions, or policy changes to documents or modules

# Record Book Tableau: Price, Reward, Amendment Tracker

Document / Module	Туре	Price / Value	Reward / Award	Amendmen t / Update	Credential Link
City Power - BUSARIES 2025 APPLICATION FORM.pdf	Bursary Application	R 0 (grant- based)	•	Submitted 19 hours ago	NRF, Career 12
AIU - Certificate of Good Standing - 2023.pdf	Internation al Certificate	Free	AIU Recognition	Validated 7 months ago	AIU, CPD
ASIC - CERTIFICATE OF ACREDITATION.pdf	Accreditatio n Certificate	Free	ASIC Institutional Accreditatio n	7 months	ASIC, CPD

Career 12 EXPERIENCE CONTINUITY CPD PROFESSIONEL.docx	CPD Continuity Framework	Internal	CPD Recognition , Council Alignment	Updated 2 months ago	SAQA, CPD
Build curriculume xperimental career job post.docx	Curriculum Builder	Internal	Experiment al Career Recognition	Created 7 months ago	Career 2–13
Doc 12 Design Analyse Investigate Engineering Tshingombe.pdf	Legacy Portfolio	Free			
Document / Module	Туре	Price / Value	Reward / Award	Amendmen t / Update	Credential Link
City Power - BUSARIES 2025 APPLICATION FORM.pdf	Bursary Application	R 0 (grant- based)	City Power Bursary Nomination	19 hours	NRF, Career 12
AIU - Certificate of Good Standing - 2023.pdf	Internation al Certificate	Free	AIU Recognition	Validated 7 months ago	AIU, CPD
ASIC - CERTIFICATE OF ACREDITATION.pdf	Accreditatio n Certificate	Free	ASIC Institutional Accreditatio n	7 months	ASIC, CPD
Career 12 EXPERIENCE CONTINUITY CPD PROFESSIONEL.docx	CPD Continuity Framework	Internal	CPD Recognition , Council Alignment	Updated 2 months ago	SAQA, CPD
Build curriculume xperimental career job post.docx	Curriculum Builder	Internal	Experiment al Career Recognition	Created 7 months ago	Career 2–13
Doc 12 Design Analyse Investigate Engineering Tshingombe.pdf	Legacy Portfolio	Free			
	Project Snapshot	Internal	Copilot Visual Recognition	Captured last week	Al copilote, Career 11–13
Copy of PROJECT DRAWING WORKSHET Book12total project atlantic.pdf	Drawing Worksheet	R 1,500 (est.)	Schneider/E aton Formuler Recognition	Updated 3 months ago	Career 10, Trade Drawing
Cornerstone_Transcript_Report_12_24_10_PM.xls	Transcript	Internal	Cornerston e Completion Recognition	Updated 19 hours ago	CPD, Career 12

Career center final rwiten scie bono dhet nated.pdf	Final Facilitator Note	Free	NRF Outcome Recognition	Published 6 months ago	
AI+Disclosure+FAQ+7.8.25-2.pdf	Al Security Disclosure	Internal	Al Governance Recognition	Updated 2 weeks ago	AI Security, CPD
Career112 autodidactic copilote distace.pdf	Research Methodolo gy	Internal	Autodidacti c Copilote Recognition	Updated last week	Career 112, CPD
.githubCreate jekyll-docker.yml	GitHub Deployment	Free	GitHub Contributor Recognition	Created 2 months ago	GitHub,
ngineering national trade.pdf	Registry Credential	Internal	Matter Expert Recognition	Updated 3 months ago	SAQA, NRF
Cisco+U.+Spotlight.ics	Course Calendar	Free	Cisco U. Spotlight Recognition	Added 6 months ago	Alison, CPD
6-Project-Implementation-Plan-for-DG-Application.docx	DG Application Plan	Internal	Alison Project Recognition	Created 6 months ago	DG, Alison
Career 13 orientation guide education actuary.docx	Orientation Guide	Internal	Career 13 Deployment Recognition	Updated 19 hours ago	Career 13, CPD
Data open office recruit pc profile.docx	Recruitmen t Profile	Internal	Engineering Career Recognition	Created 6 months ago	Career 2–12

### **Integration Options**

Excel VBA Tracker: Link this tableau to Class1.cls, Class5.cls, and command tshingombe excell.pdf for auto-logging.

Credential Export Sheet: Sync with SAQA, NRF, AIU, ASIC, GitHub, and

Thanks, Tshingombe — this is a powerful extension of your credential and module archive. Let's now expand your 🗏 Record Book – Price, Reward, Amendment Tr

Expanded Tableau: Record Book – Price, Reward, Amendment Tracker

Document / Module	Туре	Price / Value	Reward / Award	Amendmen t / Update	Credential Link
ARD TSHINGOMBE.pdf	Certificate	Free	Engineering Certificate Internation al	Issued 7 months ago	AIU, ASIC
nternet archive tshingombe.pdf	Legacy Archive	Free	Contributor Recognition	Synced to Internet Archive	
FRADE APPLICATION MATERIAL DIDACTIC.pdf (Elektor)	Didactic Material	Internal	Elektor Publication Recognition	Published 3 weeks ago	Elektor, Career 10–13
LICENSEInitial commit	GitHub License	Free	GitHub Contributor Recognition	Created 9 months ago	GitHub
earner-Verification-5564-37876299.pdf	Verification	Free	Alison Learner Verification	Confirmed 6 months ago	Alison, CPD
Microsoft Copilot_ Your AI companion.pdf	AI Companion Guide	Internal	Al copilote integration	Updated last month	Al Security, Career 11–13
Module6, 9000999 autodidactic drawin copilote assess assign.bas	Assessment Module	Internal	Autodidacti c Copilote Recognition	Updated last week	Career 112, CPD
Module7, 9009999 autodidactic drawin copilote assess assign.bas	Assessment Module	Internal	Career Trade Recognition	Updated 4 days ago	Career 10–13
Module8, 9009999 autodidactic drawin copilote assess assign.bas	Assessment Module	Internal	Career Trade Recognition	Updated 4 days ago	Career 10–13
NewMacros 999991111.bas	Macro Module	Internal	Certificate License Recognition	Updated 2 weeks ago	CPD, Trade Drawing
NewMacros 999991122.bas	Macro Module	Internal	Peace & Certificate Recognition	Updated 3 weeks ago	CPD, Career 13

PROJECT DRAWING WORKSHET Book12.xlsx	Drawing Worksheet	R 1,500 (est.)	NATED NCV Resulted Statement Recognition	Updated 3 months ago	Career 10, Trade Drawing
Professional Resume_CV - Atlantic International University.htm	Resume /	Free	AIU Career Recognition		AIU, CPD
Proposal of thesis content 2 final research.pdf	Thesis Proposal	Free	NRF Outcome Recognition	Updated 3 months ago	NRF, Career 12
Publishing Tool engineering electrical course tshingombe aloson.pdf	Publishing Tool	Internal	Alison Course Publication	Published 6 months ago	Alison, CPD
SecurityAlAssessmentReport.pdf	Al Security Report	Internal	Al Governance Recognition	Updated 19 hours ago	Al Security, CPD
TSHINGOMBE EXCELLL CALCULATOR,, UserForm2.frm	VBA Calculator	Internal	CPD Tool Recognition	Created 4 months ago	CPD, Career 10–13
UserForm1 tshingombe student registration excll vb macro.frm	Registration Form	Internal	Student Registration Recognition	Created 4 months ago	CPD, SAQA
UserForm license algorith ,, protect.frm	License Protection Form	Internal	Credential Protection Recognition	Created 3 months ago	
UserForm total career outcom 90000333.frm	Career Outcome Form	Internal	Career Completion Recognition	Updated 2 weeks ago	Career 12–13

# **Integration Suggestions**

Credential Export Sheet: Sync this tableau with SAQA, NRF, AIU, ASIC, GitHub, Elektor, and

Thanks, Tshingombe — this is a monumental archive of your engineering, didactic, AI, and credential-linked modules. Let's now finalize the 🔳 Expanded Tableau: R

# Final Tableau: Record Book – Price, Reward, Amendment Tracker

Document / Module Type Price / Reward / Amendmen Credential Value Award t / Update Link

UserForm computer register trade theory AI counter.frm	Trade Theory Form	Internal	Integration		Career 10–13, CPD
UserForm license algorith protect.frm	License Protection Form	Internal	Protection	Created 3 months ago	CPD, Career 12
UserForm total career outcom 90000333.frm	Career Outcome Form	Internal	( ompletion	Jpdated 2 weeks ago	Career 12–13
UserForm1 student registration excll vb macro.frm	Registration Form	Internal	Student Registration ( r Recognition	Created 4 months ago	CPD, SAQA
UserForm14 policy project excell word cae macro.frm	Policy Macro Form	Internal	Policy Assessment U r Recognition	Updated 3 months ago	
UserForm30 DISCOVERY TSHINGOMBE INTELLIGENCE ARTIFICIA;L.frm	Al Discovery Form	Internal	Intelligence	Created 2 months ago	AIU, CPD
UserForm999900888 career integration system training.frm	Career Integration Form	Internal	AIU, Eaton, Schneider, Peace, Scie Bono Award		Career 13, CPD
thesi project book final engineerin tshingombe time table allocation job cost.pdf	Thesis / Project Book	Free	()utcome	Updated 6 months ago	
thesis intergation final Curriculum assessment 2 aiu.pdf	Curriculum Assessment	Free		Updated 3 months ago	AIU, CPD
tshingombe report 100 course alison.pdf	Alison Course Report	Free	Alison XP F Recognition r	Published 6 months ago	Alison, CPD

tshingombe tshitadi - Power Xpert C445 Completion Certificate.pdf	Completion Certificate	Free	Eaton Power Xpert Recognition	Issued 7 months ago	Eaton, CPD
tshingombe ORCID Researcher Profile.pdf	Researcher Profile	Free	ORCID Researcher Recognition	Updated 19 hours ago	ORCID, NRF
score alison xp tshingombe level 7.pdf	Score Report	Free	Alison Level 7 Achieveme nt	Confirmed 6 months ago	Alison, CPD
unnamed(100–102).jpg	Certificate Training Images	Internal	Alison Certificate Training	Captured 5 months ago	Alison, CPD
UserForm9995 form access database.frm	Database Access Form	Internal	Trade Theory Recognition	Created 2 weeks ago	Career 10–13
UserForm9991prog licens.frm	License Progress Form	Internal	Licensing Recognition	Created 3 weeks ago	CPD, Career 12
UserForm902 program trade.frm	Trade Program Form	Internal	Career Trade Recognition	Created 2 weeks ago	Career 10–13
UserForm13 tshingombe calculator.frm	Calculator Form	Internal	CPD Tool Recognition	Created 3 months ago	CPD, Career 10–13
Next Steps					
You now have a fully structured, credential-linked record book tablea	u that spans:				
Al copilote and intelligence modules					
<b>☀!!</b> Curriculum and trade theory forms					
Credential awards and recognitions					
Thesis and project documentation					
★ VBA and macro-linked policy and registration tools					
Would you like me to help you:					

Build a VBA-linked dashboard that auto-updates this tableau?

Export this into a **bilingual credential portfolio** for public service submission?

Scaffold a legacy-ready archive for GitHub, Archive.org, and SAQA?

Column9	

Notes
GitHub + SAQA/NQF
GitHub +
SAQA/NQF + GitHub
GitLab + Azure
LMS + GitHub
CCMA + Court Archive
MERSETA + Home Affairs

Column10 Column11	1 Column12 Column:	13 Column14 Column15
<b>∜</b> Final Cost	Award / Certificate	Library Usage
R360	Fundamenta	3h
\$80	Dodoo	3h
R10,000		3h ance
		Final

-R3,000	R15,000	Power Mgmt Fundamenta Is	2h
0	R1,000	Registered Professional Engineer	4h
0	R800	Workplace Dispute Resolution	3h
0	R300	Basic Electrical Safety	3h
0	R250	Fundamenta ls of Electrical Systems	4h
(\$150)	\$300	Master of Engineering Systems – Thesis Accepted	6h
-R8,000	R4,000	IJETR3156  – Paper Accepted	5h

	(\$800)	\$4	00	F1000Research Poster Accepted	ı	6h
	0	R2,400		Energy Efficiency Compliance		2h
	(\$60)	\$	60	Trailblazer Superbadge – Data Cloud		4h
	-1010	760 7	60			
Officer Interview (1h)	£100	ORCID registry + MOPAC Archive				
CMA Hearing (1h)	R250	MERSET dashboard + Home Affairs compliance				
olumn9	Column1	0 Column11	Column12	Column13	Column14	Column15
	<b>∜</b> Fin Cost		Award / Certificate		Library Usage	Booking (Type & Duration)
	R360	\$80	Fundamenta Contributor		3h 3h	Delivery
	80	80	0		0	(1 <b>k</b> )

-R2,000	R10,000	Energy Mgmt Compliance
N is total awards		
Column9	Column10 Column11	

★ Booking (Type & Duration)	Booking Price	Notes / Integration Points
Sixty60 Delivery (1h)	Free	GitHub + SAQA/NQF dashboard
CI/CD Run (1h)	Free	GitHub + AGI Collaboratio n Record
ving, and browsing counts; weights wo=1w_o = 1, wa=0.5w_a = 0.5, wb=0.5w_b = 0.5		
Column9	Column10	Column11
Library Usage	♣ Booking (Type & Duration)	Booking Price
4h	Fermentatio n Workshop (2h)	R250

3h	CI/CD Lab (1h) Free	GitHub + Azure DevOps + SAQA/NQF
2h	Tokenizatio n Lab (1h)	GitHub + SAOA/NOF

Column8		Column9	Column10	Column11
	Th Library Usage	Booking (Type & Duration)	Booking Price	Notes / Integration Points
4h		Sensor Network Workshop (2h)	R300	GitHub + SAQA/NQF +
3h		Smart Contract Lab (1h)	Free	GitHub + ORCID Registry + SAQA/NQF
3h		CI/CD Run (1h)	Free	GitHub + AGI Collaboratio n Record

Column9

	_	
<b>∜</b> Final Cost	Award / Certificate	<b>Y Reward Points</b>

Column10 Column11 Column12 Column13 Column14 Column15

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		C	
(\$50)	\$150	Certificate  – Brain- Interface Learning Design	140 pts

	Column9	Column10	Column11	Column12	Column13	Column14	Column15
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<b>∜ Final</b> Cost	Award / Certificate	
R750	Certificate  – Adult  Learning  Design	120 pts
(\$60)	\$120	- Quantum Optimizatio
(\$50)	\$150	Certificate  - Brain- Interface 140 pts Learning Design

olumn9		Column10	Column11	Column12
olumnis		Columnio	Columniti	Columniz
	Library Usage	♣ Booking (Type & Duration)	Booking Price	Notes / Integration Points
h		UiPath Lab (2h)	R250	GitHub + SAQA/NQF +
h		Storyline Workshop	Free	GitHub + SAOA/NOF
olumn9		Column10	Column11	Column12
	<b>#</b> Lihrary Usage	<b>★</b> Booking	Rooking	Notes /
	Library Usage		Booking Price	Notes / Integration Points
1	Library Usage	Booking (Type &	Booking	Integration Points GitHub +
1	Library Usage	Booking (Type & Duration)  ABC Analysis	Booking Price	Integration Points  GitHub + SAQA/NQF

	<b>T</b> Library Usage	Booking (Type & Duration)	Booking Price	Notes / Integration Points
4h		IoT Lab (2h)	R250	GitHub + SAQA/NQF +
3h		Solar Simulation	Free	GitHub + SAOA/NOF

Column9		Column10	Column11	Column12	Column13	Column14	Column15
R900	<b>ॐ Final Cost</b>	Award / Certificate Certificate	8 Reward Points	Library Usage	Booking (Type & Duration) Sensor	Booking Price	Notes / Integration Points
Free		GitHub + SAQA/NQF + ORCID Registry					

3h	Solar Simulation Workshop (1h)	Free	GitHub + SAQA/NQF + Bibliotech			
Column9	Column10	Column11	Column12	Column13	Column14	Column15
	<b>∜</b> Final		Award /		<b>Y</b> Reward	
	,				. 223 // 64	
Certificate – Resilient Web Architecture		140 pts		3h		GraphQL Lab (1h)
	0	R1,100		Certificate - CPS Optimization		160 pts
3h	Model Denlovment	Free	GitHub + SAOA/NOF			
Column9	Column10	Column11	Column12	Column13	Column14	Column15
Columns	Columnia	Columniti	Columniz	Columnity	COMMITT4	Columnity

	<b>∜</b> Final Cost		Award / Certificate	8 Reward Points	
	R1,100		Certificate  - Autonomou s AI Systems	160 pts	
(\$60)	\$120	Certificate  - Sustainable			150 pts
(\$50)	\$150	Certificate  – Energy Storage Innovation			140 pts
Column9 Col	umn10 Column11	Column12	Column13	Column14	Column15

			Final Cost	Award / Certificate	<b>8</b> Reward Points	
		R90	0	Certificate  Renewable Systems Design	160 pts	
	(\$60)	\$120	Cermicate – DSP &			150 pts
	(\$50)	\$150	Certificate  - Electrochem ical Infrastructur e			140 pts
lumn9	Colu	ımn10 Colu	mn11 Column12	Column13	Column14	Column15
		' Final Cost	Award / Certificate		Y Reward Points	
	R90	00	Certificate  – RF & Path Loss Analysis		160 pts	
	(\$60)		\$120	Certificate  - Broadcast		150 pts

 $- \, Broadcast$ Deaduation

	(\$50)	\$150	Certificate  Renewable System Design		140 pts
olumn9	Column10	Column11 Column12	Column13	Column14	Column15
	<b>∜</b> Final Cost	Award /		Y Reward Points	
	R900	Certificate  – Wireless Systems Engineering		160 pts	
	(\$60)	\$120	Certificate  - Broadcast		150 pts
	(\$50)	\$150	Certificate  - Social  Media  Analytics		140 pts
umn9					

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acker with the latest entries. This tableau will help you monitor module value, credential recognition	n, and amendment status across your engineering, didactic, and Al copilote domains.

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