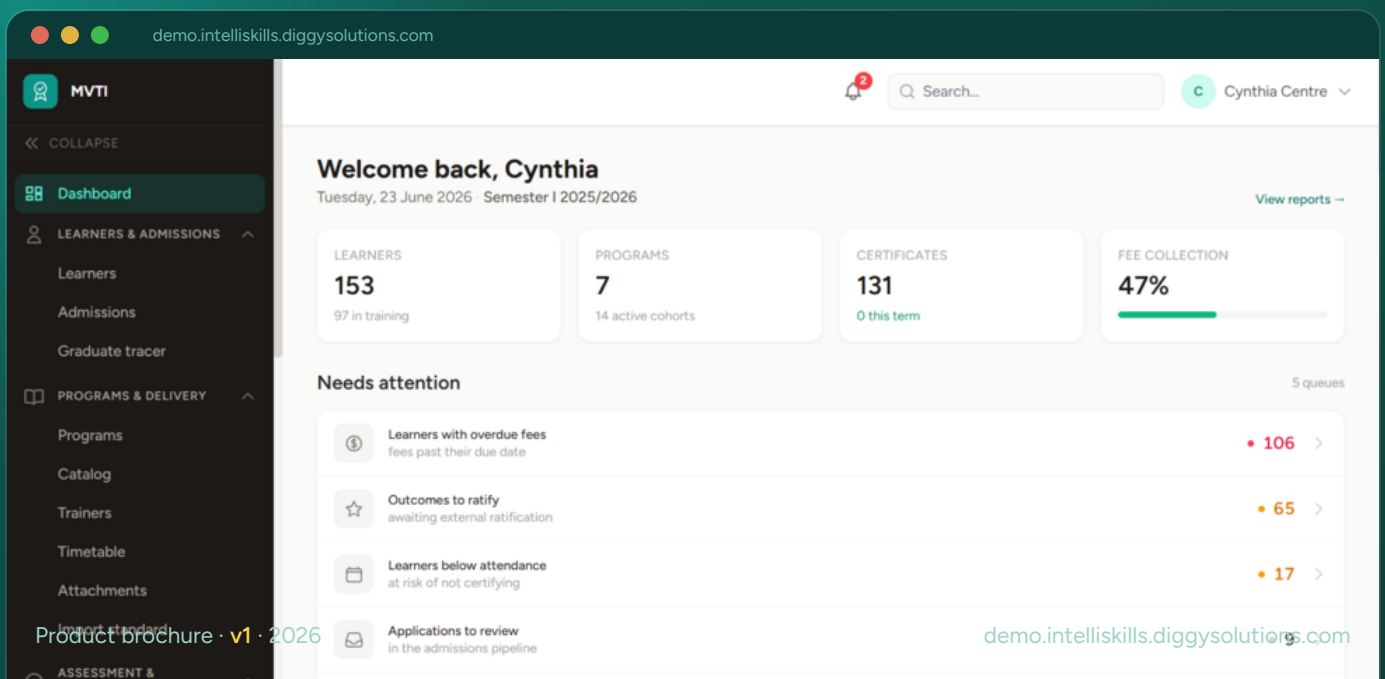




Prove what a trainee can do. Competency-based vocational training, assessed against published standards and certified with confidence.

From enrolment to a verifiable qualification: occupational standards, evidence-based assessment, internal and external verification, and tamper-proof digital credentials. Built for TVET institutes, standalone or connected to your school system.



Training that certifies what a graduate can actually do.

IntelliSkills is a competency-based platform for technical and vocational training. Instead of a percentage, it records whether a trainee is **competent** against each published occupational standard, backs that judgement with evidence, and carries it through internal and external verification before it becomes a qualification. The result is a credential an employer, a regulator or another institution can trust and verify in seconds.

At its core is a portable competency engine: the occupational-standards model, the assess-verify-ratify state machine, and the award logic, all engineered so an assessor's opinion is never the final word. Around it sits a complete institute, admissions, programs, trainers, work placements, finance and compliance, and the whole thing runs standalone or connects to the rest of the Intelli suite.

4 stages

Assess, verify, ratify, certificate

Ghana-8 · ACQF-10

Configurable frameworks (+ LiTCOM, custom)

Verifiable

Open Badges & W3C credentials, QR-checkable

Live

In production at a training institute

Competency, not grades

Assessed against published standards, evidenced on file, and judged simply competent or not yet competent.

Four eyes, by design

The assessor judges, an internal verifier checks, an awarding body ratifies, and learners can appeal, with separation of duties enforced.

Credentials that prove themselves

Tamper-evident, QR-verifiable, revocable digital certificates built on open credential standards.

Not a gradebook. A competency and awarding platform.

In vocational training, a mark out of 100 means little. What matters is whether the welder can weld to standard, with the evidence to prove it and a credential that holds up. IntelliSkills is built end to end around that idea, from the published standard a trainee is measured against, to the verified, shareable award at the end.

Standards & catalog Frameworks, qualifications, units, criteria, evidence	Verification Internal quality assurance and external ratification	Work-based learning Industrial attachment, logbooks, supervisor sign-off
Admissions & learners Apply, enrol, learner records and transcripts	Appeals Learners can challenge a decision, fairly adjudicated	Graduate tracer Where graduates go, and employment outcomes
Programs & delivery Programs, cohorts, trainers, timetable, attendance	Awards Qualifications and stackable unit credentials	Finance & compliance Fees, collections, regulator returns, audit
Assessment Competent or not-yet, with evidence on file	Verifiable credentials Open Badges, W3C VC, QR verify, revocation	Portable engine Standalone, or connected to the Intelli suite

WHY A CREDENTIAL HOLDS UP

An assessor's judgement is never the final word.

Every competency outcome travels a chain before it can become a qualification: assessed, then internally verified, then externally ratified, then certificated, with a clear path to appeal. The person who verifies can never be the person who assessed, enforced by the system, not by policy. That four-eyes guarantee is what lets an employer or regulator trust an IntelliSkills award.

Everyone in the institute, in one system.

An institute is not run by administrators alone. IntelliSkills gives each person their own way in, scoped to what they should see and do, from the principal's dashboard to the workplace supervisor signing a logbook from a phone.

LEADERSHIP

The principal & managers

A live dashboard, actionable work queues (outcomes to ratify, learners at risk, overdue fees), and the reports for funders and the board.

LEARNERS

The trainee

A personal portal to follow their own competency progress, submit evidence, and carry a verifiable certificate and a portable Skills Passport.

REGISTRAR & FRONT OFFICE

Admissions & records

The applications pipeline, enrolment, learner records with photo ID cards, documents, and competency transcripts on demand.

EMPLOYERS

Workplace supervisors

A secure, no-login portal link to review a trainee's logbook and sign off the industrial attachment from anywhere.

TRAINERS

Instructors & assessors

A "my classes" workspace: today's sessions, the attendance register, and assessment against the standard with evidence, from a tablet in the workshop.

FINANCE & ADMIN

The bursar & office

Fees and payments with receipts, waivers and scholarships, daily collections, regulator compliance returns, messaging and an audit trail.

VERIFIERS

Internal & external QA

The internal verification queue and external ratification, with appeals, kept strictly separate from the assessor by the system.

SCOPED BY DESIGN

The right door for each

Role-based access with enforced separation of duties means each person sees their own workspace, and only what they are permitted to.

Built for Competency-Based TVET

IntelliSkills is purpose-built for technical and vocational institutes, the trades, the polytechnics, the skills academies, where what counts is whether a learner can do the job to a published standard.

Frameworks it speaks configurable as data, not hard-coded

Ghana-8

The eight-level national TVET qualifications framework

ACQF-10

The ten-level African Continental Qualifications Framework

Custom

Define your own levels and per-domain descriptors

LiTCOM

Liberia's TVET commission framework

A DAY IN THE LIFE · THE INSTITUTE

Cynthia runs a vocational institute. She opens one dashboard and sees the things that actually move her institution: learners in training, fees collected, and a **"needs attention" queue** that tells her exactly what is waiting, sixty-five **outcomes to ratify**, seventeen learners below the attendance minimum, nine applications to review. Nothing is buried; the work that protects a credential is right in front of her.

The competency workflow, surfaced for leadership.

STANDALONE OR CONNECTED

Runs on its own

A complete institute platform that works fully standalone, and is built to connect to IntelliCampus and the wider suite when you are ready.

AT A GLANCE

Work queues, not guesswork

Outcomes awaiting ratification, learners at risk, overdue fees and pending applications surfaced as actionable queues.

ROLE-AWARE

Separation of duties built in

Dedicated roles for assessors, internal verifiers and external verifiers, with permissions that keep assessment and verification apart.

RECORDS

The learner, fully

A lean learner record with a photo ID card, dossier, and a competency transcript that shows the full verification chain.

NAME	LEARNER ID	GENDER	PHONE	AGE
Abraham Cooper		Male	0726778721	17
Abraham Doe		Male	0707227519	17
Abraham Johnson		Male	0760131372	25
Abraham Sherman		Male	0795681189	22
Abraham Weah		Male	0745482115	27
Alpha Dahn		Male	0702029861	33
Alpha Sinsuf		Male	0762036406	29
Alpha Tulman		Male	0767546321	16

ADMIN Learners

NAME	PROGRAM	COHORT
Hawa Konneh	Electrical installation	1 cohort
Joseph Kartoken	Garment making	1 cohort

ADMIN Trainers

Standards & the Qualification Catalog

Everything starts from the published standard. IntelliSkills holds the full occupational-standards model and lets you import national qualifications without re-typing them, codes and all.

PROBLEM TO RELIEF · IMPORTING A NATIONAL STANDARD

A new national qualification is released as a structured standard. Instead of months of manual data entry, a coordinator runs **Import Standard**: the system validates the file, shows a summary to confirm, then ingests the whole depth, units, elements, performance criteria, range and evidence requirements, keeping each official code intact. Re-import it later and it updates rather than duplicates.

A national standard, in the system in an afternoon.

THE MODEL

Standards in full depth

Frameworks, levels, qualifications, units of competency, elements, performance criteria, range variables and evidence requirements, all first-class.

AWARD RULES

Core and elective, as data

Each qualification carries a structured rule, all core units plus a minimum number of electives, that the platform enforces at award time.

IMPORT

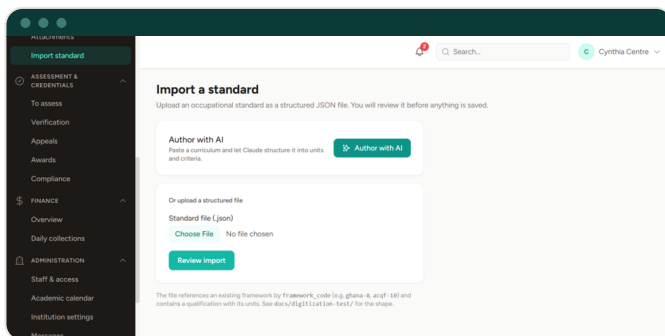
Validate, confirm, import

A human-in-the-loop importer that checks the file, summarises it for a reviewer, and is idempotent on codes so re-imports update cleanly.

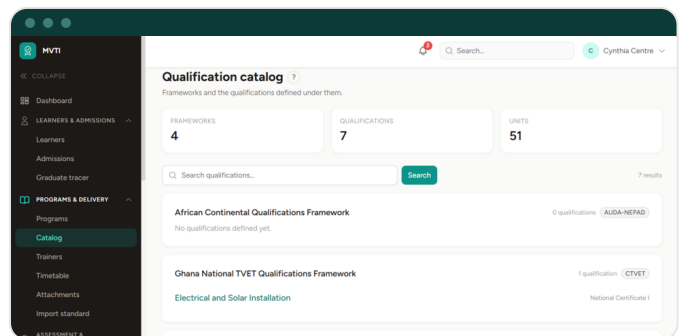
ASSISTED AUTHORIZING

AI drafting, human-owned

An optional AI author can draft standard content for a coordinator to review and approve, speeding authoring without replacing judgement.



ADMIN Import standard



ADMIN Qualification catalog

From a national framework down to a single piece of evidence.

A competency standard is not one thing; it is eight nested layers, and IntelliSkills holds every one as first-class, structured data, not free text. That is what lets the platform import a standard cleanly, enforce its award rule, and assess against the exact criterion that matters.

LAYER	WHAT IT HOLDS	A WORKED EXAMPLE (MASONRY)
Framework	The national qualifications framework, its levels and domains	Ghana-8
Level	A level within the framework, with per-domain descriptors	Level 3
Qualification	A set of units plus a structured award rule (core and electives)	National Certificate in Masonry
Unit of competency	A reusable unit, keeping its official awarding-body code	Lay blocks and bricks to line
Element	An essential outcome under the unit	Set out and lay a course
Performance criterion	The assessable statement a trainee is judged against	Courses are level and plumb to tolerance
Range	The scope and variables the criterion is assessed across	Block types: stretcher, corner, dressed
Evidence requirement	Critical aspects, knowledge evidence and accepted assessment methods	Direct observation plus a built sample

The award rule is data, and it is enforced

Each qualification carries a structured rule, all core units plus a minimum number of electives. The platform resolves it at award time and will refuse to issue with an exact shortfall message, so a certificate is only ever earned, never assumed.

Import keeps every code intact

When a national standard is imported, units keep their official external codes all the way onto the certificate and into the audit trail, and a re-import updates rather than duplicates.

Admissions, Learners & Programs

Around the competency core sits the institute every TVET provider needs to run: getting trainees in, into the right program, with the right trainer, on a real timetable.

A DAY IN THE LIFE · A NEW TRAINEE

A school-leaver applies online for the masonry program. The office reviews her application against the **document checklist**, sees the intake still has capacity, and sends a **templated offer letter**. On enrolment she becomes a learner with an ID card and a place in a cohort, slotted into a weekly timetable with an attendance register that flags anyone slipping below the minimum.

Inquiry to enrolled, then straight into delivery.

ADMISSIONS

A real intake pipeline

Public apply form, document checklist with required-document enforcement, per-intake capacity, a position-ordered waitlist and templated offer letters.

TRAINERS

Staff and teaching

Trainer records and assignments, with the access scoping that keeps roles and duties clean.

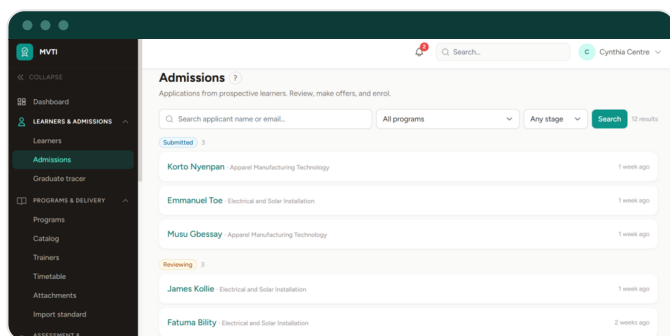
PROGRAMS & COHORTS

PROGRAMS MAPPED TO QUALIFICATIONS, ORGANISED INTO COHORTS WITH TERMS, SO A LEARNER'S PATH IS CLEAR FROM DAY ONE.

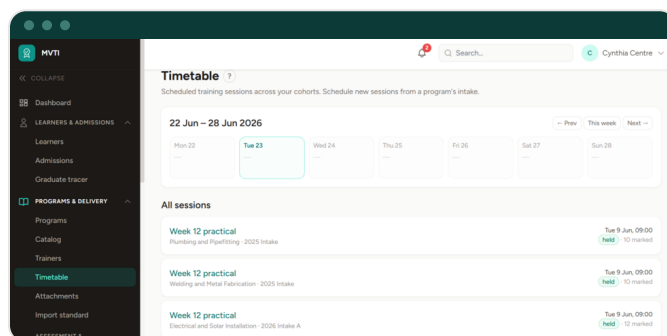
TIMETABLE

Sessions & attendance

Recurring weekly sessions on a calendar, with a cohort attendance register that flags below-minimum learners early.



ADMIN Admissions



ADMIN Timetable

Assessment & Evidence

Assessment in IntelliSkills is a judgement against a standard, competent or not yet competent, always backed by evidence a verifier can see.

A DAY IN THE LIFE · THE ASSESSOR

A workshop assessor watches a trainee lay a course of blocks, then opens the unit on a tablet and judges each performance criterion. He marks the unit **competent** and attaches the evidence, photos of the wall, a short clip, his notes. The system files the evidence on a private store and records the outcome as **assessed**. It is not a final grade yet; it is the first link in a chain. An optional **AI second opinion** compares the photos against the criteria and offers a view the verifier can weigh, but never decides.

A judgement against the standard, with the proof attached.

BINARY & HONEST

Competent or not yet

Outcomes are judged against each performance criterion as competent or not-yet-competent, the language of vocational standards.

AI SECOND OPINION

Advisory, never deciding

An optional AI reviewer compares image evidence to the unit's criteria and returns a structured opinion the verifier weighs.

EVIDENCE

Proof on file

Photos, clips and notes attach to the outcome on a private store, with files managed so nothing is ever orphaned.

FAIR RE-TRIES

Reassessment without mess

A fresh assessment cleanly supersedes an earlier non-certificated outcome, so a not-yet result has a clear path to competent.

MVTI

Dashboard

LEARNERS & ADMISSIONS

Learners

Admissions

Graduate tracer

PROGRAMS & DELIVERY

Programs

Catalog

Trainers

Timetable

Attachments

Import standard

ASSESSMENT & EVIDENCE

To assess

Learners in active intakes with units still to be assessed. Reassessment-flagged units reappear here.

Grace Dahn · Apparel Manufacturing Technology 16 to assess

- U58603 Construct and adapt patterns to customer...
- U58703 Lay-up, mark-in and cut materials
- U58803 Produce sample garments for manufacture
- U58903 Handle and measure garments
- U59003 Resolve quality issues and provide techn...
- U59103 Plan apparel production schedule
- U59203 Produce final apparel production schedul...
- U59303 Generate electronic patterns
- U59403 Illustrate fashion design concept
- U59503 Develop and grade garment pattern
- U59603 Generate cutting lay plans
- U59703 Create garment specifications and monito...
- U59803 Maintain a clean and safe work area
- U59903 Provide leadership for your team
- U60003 Develop and monitor operational plans
- U60103 Manage professional development and work...

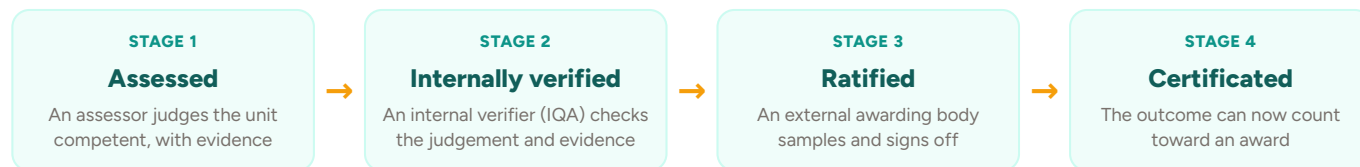
Momo Kollie · Apparel Manufacturing Technology 16 to assess

- U58603 Construct and adapt patterns to customer...
- U58703 Lay-up, mark-in and cut materials
- U58803 Produce sample garments for manufacture
- U58903 Handle and measure garments
- U59003 Resolve quality issues and provide techn...
- U59103 Plan apparel production schedule

ASSESSOR Assessing against the standard

The Verification Chain

This is what makes an IntelliSkills credential trustworthy. No single person can turn a judgement into a qualification; every outcome travels a verified chain, and the people are kept deliberately separate.



A learner may **appeal** at any point; an upheld appeal or a rejected check sends the outcome cleanly back for **reassessment**.

STATE	WHAT IT MEANS	SET BY	NEXT
ASSESSED	Judged competent against the unit, with evidence on file	Assessor	Verify, or appeal
INTERNALLY VERIFIED	An internal verifier has checked the judgement and evidence	Internal verifier	Ratification
RATIFIED	An external awarding body has sampled and signed off	External verifier	Certificated
CERTIFICATED	Locked and eligible to count toward an award	On award	Final
REASSESSMENT	Returned to be assessed again after a rejection or upheld appeal	Verifier / appeal	Back to Assessed
APPEAL	Parked while a learner challenge is independently adjudicated	Learner	Reassessment / Assessed

THE STANDOUT

Separation of duties, enforced by the system.

The verifier can never be the assessor, and the adjudicator of an appeal can never be either: the platform throws an error if you try, rather than trusting a policy document. Internal verification and external ratification are distinct steps with their own roles, and only verified outcomes can ever contribute to an award, so eligibility and progression never drift apart. That is the discipline an awarding body and a regulator expect.

INTERNAL QA

The IQA queue

Internal verifiers work a queue of assessed outcomes, upholding or returning each with a recorded verification activity.

APPEALS

A fair right of challenge

A learner can raise an appeal that parks the outcome until it is adjudicated, by someone who was not involved.

EXTERNAL

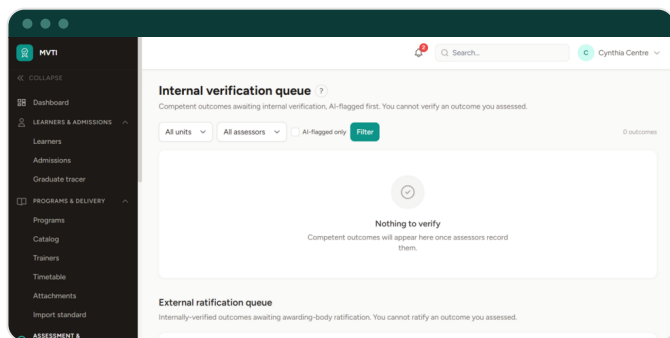
Awarding-body ratification

An external verifier samples internally-verified outcomes and ratifies them, the layer that gives a qualification its standing.

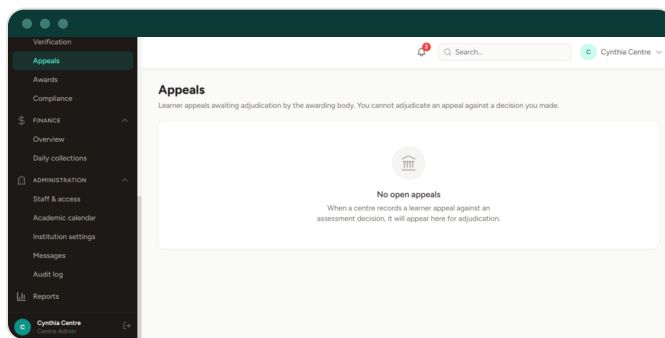
AUDIT

Every decision recorded

Each verification and appeal writes who did what and when, an evidence trail behind the final credential.



VERIFIER Internal verification queue



ADMIN Appeals

06

DOMAIN · MARQUEE

Awards & Verifiable Credentials

The end of the chain is a credential that proves itself. IntelliSkills issues qualifications and stackable unit credentials that anyone can verify, and the institution can revoke.

A DAY IN THE LIFE · THE GRADUATE

Musa finishes his masonry qualification: all core units and the required electives, verified and ratified. The system issues his award, snapshots the credential, and mints a public verification code. His certificate carries a **QR code**; when an employer scans it, a public page confirms it is genuine and current. Musa didn't finish the whole qualification but mastered one unit? He still walks away with a **stackable micro-credential** for that single skill, provable the same way.

A credential an employer can trust in one scan.

THE STANDOUT

Credentials on open standards, verifiable even offline.

Awards are issued three ways at once: a hosted Open Badge 2.0, a W3C Verifiable Credential signed as a VC-JWT with EdDSA / Ed25519 keys, and a published key set (JWKS) so any third party can verify a credential independently and offline. Each credential snapshots its data and stores a SHA-256 hash for tamper-evidence, is route-bound to a public verification code and QR, and can be revoked with a reason. Revocation is published as a StatusList2021 bitstring, so a verifier checks one bit with no call-back to your servers, even offline.

QUALIFICATIONS

Earned, not assumed

A full qualification issues only when all core units and the required electives are verified-competent, enforced, with an exact shortfall message if not.

STACKABLE

Unit micro-credentials

Prove a single skill with a stackable unit credential, ideal for recognition of prior learning and the informal economy.

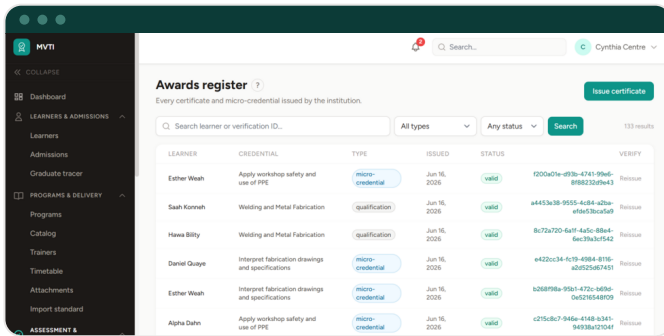
VERIFY & REVOKE

A PUBLIC VERIFICATION PAGE BY CODE OR QR, AND REVOCATION THAT FLIPS A CREDENTIAL'S STATUS, CHECKABLE OFFLINE.

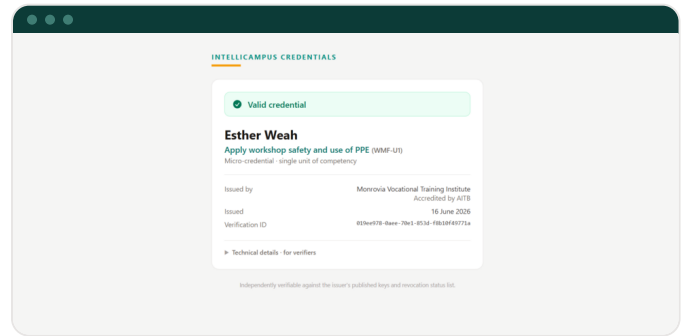
OPERATIONS

Register, PDF & batches

An awards register, certificate PDFs with QR, batch cohort certification and a reissue flow for the registrar.



ADMIN Awards register



OUTPUT Verifiable certificate

07 DOMAIN Work-Based Learning & Graduate Outcomes

Vocational training only counts if it leads to the workplace. IntelliSkills runs the industrial attachment and then follows graduates out into employment.

A DAY IN THE LIFE · THE ATTACHMENT

A cohort goes out on industrial attachment. Each trainee keeps a **logbook**; their workplace supervisor reviews and signs it off from a secure portal link, no account needed. At placement's end the supervisor completes an evaluation, and months later the institute runs a **graduate tracer** campaign that records who is employed, where, and in what role, the outcome data a TVET institute lives or dies by.

From the workshop to the workplace, and tracked after.

ATTACHMENT

Placements & employers

Employer records, placements, agreements and end-of-placement evaluations, the work-based-learning half of TVET.

LOGBOOKS

Supervisor sign-off

Trainees keep logbook entries; workplace supervisors review and sign off through a secure, token-based portal.

TRACER

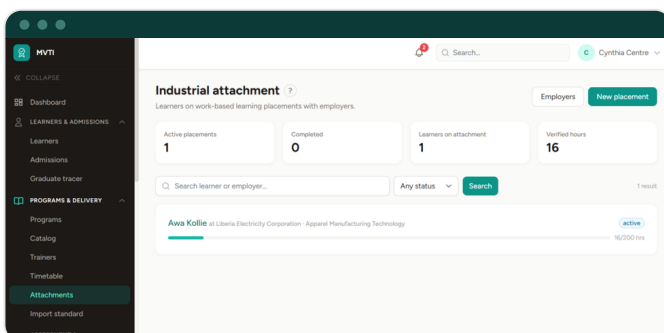
Graduate outcomes

Tracer campaigns capture employment outcomes, turning into the report funders and regulators ask for.

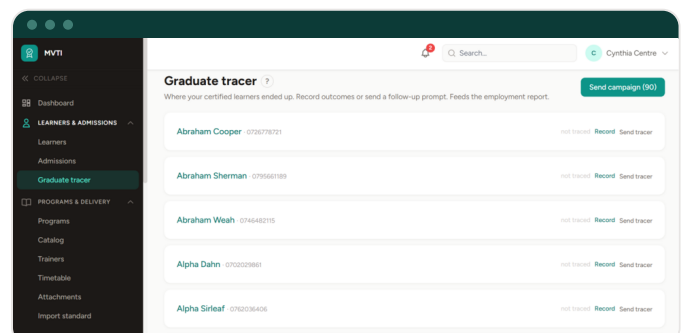
PROGRESS

Completion by program

Percent-complete computed against the real award rule and verified outcomes, so completion is meaningful, not nominal.



ADMIN Industrial attachment



ADMIN Graduate tracer

Finance, Compliance & Trust

The quiet machinery that keeps an institute running and accountable: the money in, the returns out, and a record of everything.

FEES

Billing built for institutes

Fee schedules, payments with sequential receipt numbers, void-with-audit, and per-learner waivers and scholarships.

COMPLIANCE

Regulator returns

Generate the returns a TVET authority requires, exportable as CSV or PDF, rather than hand-built each cycle.

CASH

Daily collections

A daily collections report so the bursar can reconcile what came in, by day and by program.

TRUST

Audit & access

An append-only audit log, role-based access with separation of duties, and per-user notification preferences.

LEARNER	PROGRAM	BILLED	PAID	BALANCE	OVERDUE
Awa Kelle	Apparel Manufacturing Technology	USD 345.00	0.00	345.00	345.00
Emmanuel Toe	Electrical and Solar Installation	USD 345.00	0.00	345.00	345.00
Alpha Srisaf	Electrical and Solar Installation	USD 345.00	0.00	345.00	345.00
Momo Brisbane	Apparel Manufacturing Technology	USD 345.00	0.00	345.00	345.00
Sando Cooper	Electrical and Solar Installation	USD 345.00	0.00	345.00	345.00
Momo Brisbane	Apparel Manufacturing Technology	USD 345.00	0.00	345.00	345.00
Nyumbi Yemey	Electrical and Solar Installation	USD 345.00	0.00	345.00	345.00

ADMIN Finance

NAME	ROLES	ASSESSED	IV	EV
Ether External	External Verifier	0	0	0
Grace Assessor	Assessor	594	0	0
Victor Verifier	Internal Verifier	0	594	0

ADMIN Compliance returns

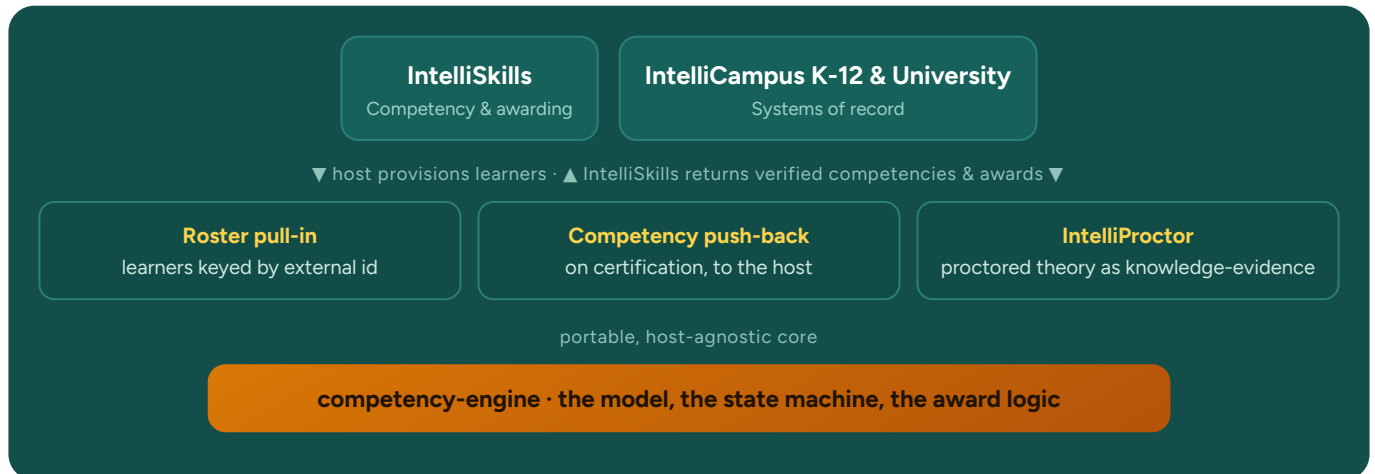
RECEIPT	LEARNER	PROGRAM	METHOD	AMOUNT
No payments recorded on this day.				

ADMIN Daily collections

ADMIN Audit log

A portable engine, standalone or connected.

IntelliSkills runs perfectly on its own. It is also built on a portable competency engine designed to plug into the wider Intelli suite, so a school or college can add competency-based tracks without re-platforming.



Portable by design

The engine owns the competency model, verification state machine and award logic, and nothing of the host: it references a learner only by a bare id, the seam that lets the same engine serve an institute today and a school, a Skills Passport or a regulator backend tomorrow.

Standalone today, connected when ready

Run IntelliSkills entirely on its own now. The integration to IntelliCampus and IntelliProctor is defined as a clear contract: a Sanctum-authenticated roster pull keyed by external id, a competency push-back webhook fired on certification, and a HMAC-signed feed of proctored theory scores from IntelliProctor as knowledge-evidence. It is ready to switch on as the suite is adopted.

Engineered for a credential that has to hold up.

When the output is a qualification an employer and a regulator rely on, the engineering has to match. IntelliSkills is built on a tested engine, with integrity rules enforced in code, not policy. The portable competency engine alone carries the model, the state machine and the award logic across 14 models, 7 services and 17 migrations; the institute shell around it adds 32 models, 48 controllers and 119 screens.

320+

automated tests

48

controllers

23

services

70

DB migrations

6

duty-separation roles

Live

in production

Four-eyes integrity

Separation of duties is a hard invariant: the system refuses to let an assessor verify their own work, or an adjudicator judge their own appeal. Covered by dedicated tests.

Portable engine

A host-agnostic competency engine packaged for reuse, referencing learners by a bare id so it can serve many hosts.

Tamper-evident credentials

A hash over each credential snapshot, a public verification code and QR, revocation, and signed Open Badges and W3C Verifiable Credentials (Ed25519) with a published key set.

Evidence governance

Evidence files on a private store, with deletion hooks that guarantee no orphaned files behind a withdrawn outcome.

Offline-checkable revocation

Revocation status published as a status list a verifier reads with no call-back, so credentials can be checked even offline.

Heavily tested

Around 100 test files and 320-plus tests, with dedicated coverage for every engine service, offline-safe recording, the credential signing and the revocation flow.

More from Diggy Solutions.

IntelliSkills certifies skills; the rest of the Intelli suite runs the institutions around it, and Diggy Solutions can set up the services too. Each sister product has its own detailed brochure; here is the short version.

IntelliCampus K-12

[OWN BROCHURE](#)

A complete school platform for Nursery to Grade 12: grading and report cards, fees and treasury, attendance, transport, clinic and a parent portal.

IntelliProctor

[OWN BROCHURE](#)

Trustworthy online and entrance exams with AI-assisted proctoring, able to feed proctored theory results as knowledge-evidence into IntelliSkills.

IntelliCampus (University)

[OWN BROCHURE](#)

The full institutional ERP for higher education: academics, finance, HR, research and more, on one connected platform.

IntelliTots

[OWN BROCHURE](#)

A complete early-years platform for nurseries: ratios and safety, health, play-based learning and a parent app.

OPTIONAL SERVICES

Set up alongside your platform.

Integrated website development

A modern public website for your institute, designed and built to connect to IntelliSkills, so enquiries and applications flow straight in.

Institutional email service

Professional email on your own domain for staff and the institution, set up and managed alongside your platform.

PROOF

Live, not theoretical.

● Live deployment

Running a training institute

IntelliSkills is in production at a live vocational institute, managing real learners, programs, assessment, verification and awards. Every screenshot in this brochure is the actual product.

Explore the demo

See the full chain

The demo walks the whole path: import a standard, enrol a learner, assess, verify, ratify, and issue a verifiable certificate.

demo.intelliskills.diggysolutions.com

EDITIONS & DEPLOYMENT

How institutes adopt it.

Essentials

- Learners & admissions
- Programs & cohorts
- Trainers & timetable
- Attendance

Complete

MOST POPULAR

- Everything in Essentials
- Standards import & catalog
- Assessment & verification chain
- Awards & verifiable credentials
- WBL, tracer, finance & compliance

Suite

- Everything in Complete
- Connect to IntelliCampus
- Competency push-back
- IntelliProctor theory evidence
- One record across the suite

Deployment is a dedicated, self-hosted environment per institute, with your own branding and configuration. The three editions form a simple pricing ladder; tell us your size and the edition you want, and we will tailor a quote.

About Diggy Solutions

Diggy Solutions is a Liberian business-consulting and technology firm. From our base in Monrovia, we help organisations across education, healthcare, finance and hospitality grow through custom software, digital products, marketing and data, pairing deep local insight with global best practice, and staying with our clients well past launch through training, support and continued optimisation.

The Intelli suite is our flagship education platform: one connected system spanning early years, school, university, vocational training and proctored assessment. IntelliSkills is its TVET product, built so a graduate leaves with a skill that is proven, verified and easy to trust.

5+ yrs

building & consulting

30+

projects delivered

20+

clients worldwide

84%

clients very satisfied, 2024

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Oldest Congo Town, Monrovia, Liberia

Also from Diggy Solutions: IntelliCampus K-12, IntelliCampus (University), IntelliProctor and IntelliTots. Live demo: demo.intelliskills.diggysolutions.com