



DATAMATRIX TECHNOLOGY SOLUTIONS PRESENTS

UNIFIED SKILL ECOSYSTEM

One Platform, One Source of Truth

The Future of Vocational Excellence

Unlimited integrated roles

18-stage audited lifecycle

2M+ candidates assessed

www.datamatrixtechnology.com · New Delhi, India

One Source of Truth for the Entire Skilling Value Chain

So what: when every stakeholder works on the same audited record, cost, fraud and delay disappear together.

The Unified Skill Ecosystem (USE) consolidates the complete vocational lifecycle — Training Partner onboarding, centre accreditation, inspections, training, AI-proctored assessment, results, certification and invoicing — onto a single platform with a single, tamper-evident database.

No re-entry. No reconciliation. No parallel spreadsheets. Every number on every screen traces to one governed record.



Financial profit

Consolidation replaces multiple tools, vendors and manual processes with one platform economy.



Operational efficiency

Automation removes the bulk of administrative overhead — indicatively up to 60%.



Systemic integrity

Ironclad audit trails, AI-driven proctoring and evidence-backed inspections.



Full centralisation

Registration to invoicing — full-stack orchestration in one place.

The Current Chaos: Fragmentation Is a Tax on Every Batch

So what: every disconnected tool and paper file silently charges you in cost, risk and credibility.



Fragmented records

TP, TC, trainer, batch and candidate data scattered across spreadsheets and inboxes — endless reconciliation.



Data leaks & misleading data

Unverified numbers travel upward; decisions are taken on figures nobody can defend.



Manual errors & slow money

Hand-built invoices, missing GST/TDS trails and month-long approval cycles choke cash flow.



Certificates without credibility

Ghost centres and unverifiable certificates erode the value of genuine skilling outcomes.

40%+

of programme administration is consumed by chasing files, approvals and payment status — not by skilling people.

Indicative industry estimate

The Paradigm Shift: From Manual Tracking to a Digital Ecosystem

So what: this is not software replacing paper — it is a governed ecosystem replacing improvisation.

THEN — FRAGMENTED

- ✗ Registers, spreadsheets and WhatsApp forwards
- ✗ Physical file movement between offices
- ✗ Exam integrity dependent on trust alone
- ✗ Invoices assembled by hand, errors included
- ✗ Reports compiled days after the fact



NOW — UNIFIED

- ✓ One governed database for all nine roles
- ✓ Status-gated digital workflows, zero file loss
- ✓ AI proctoring with photographic & GPS evidence
- ✓ GST/TDS computed automatically per invoice
- ✓ Live dashboards and one-click CSV exports

Three Pillars: Profitability, Transparency, Scalability

So what: every capability in this deck ladders up to one of these three board-level outcomes.



PROFITABILITY

Consolidated tooling, automated invoicing and released manpower convert operations from cost centre to profit engine.

Operational leverage



TRANSPARENCY

One source of truth, forensic audit logs and publicly verifiable certificates make every claim defensible.

Systemic integrity



SCALABILITY

Cloud-first architecture and status-gated workflows scale from one district to a national footprint.

Elastic growth

The Profit Multiplier: From Overhead to Profit Centre

So what: the platform does not merely cut cost — it creates new earning capacity from the same organisation.



Tool consolidation

One licence replaces separate exam, MIS, document and invoicing tools — and the vendors that come with them.



Velocity of cash

Results → certificates → invoices flow without manual hand-offs, pulling revenue recognition forward every cycle.



Released capacity

Administrative hours freed by automation are redeployed to business development and quality.



New revenue lines

White-label and multi-scheme readiness lets the same platform serve new clients and programmes.

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**independent profit levers,
compounding on one platform**

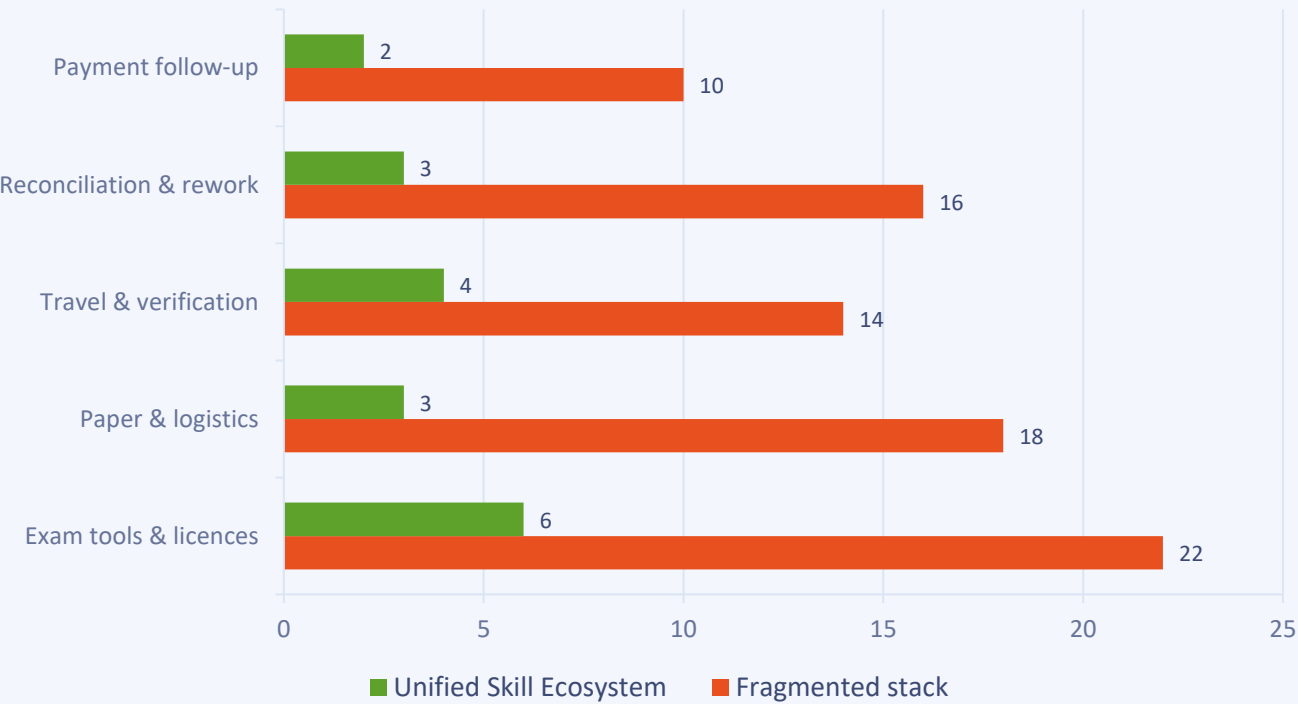
Each lever works alone; together they multiply —
the definition of operational leverage.



Cost Reduction Analysis: Where the Money Stops Leaking

So what: five recurring cost lines shrink structurally, not through one-off austerity.

Operating cost per 100 batches — indicative (₹ lakh)



-77%

third-party tooling & licences

-80%

paper, courier & storage logistics

-75%

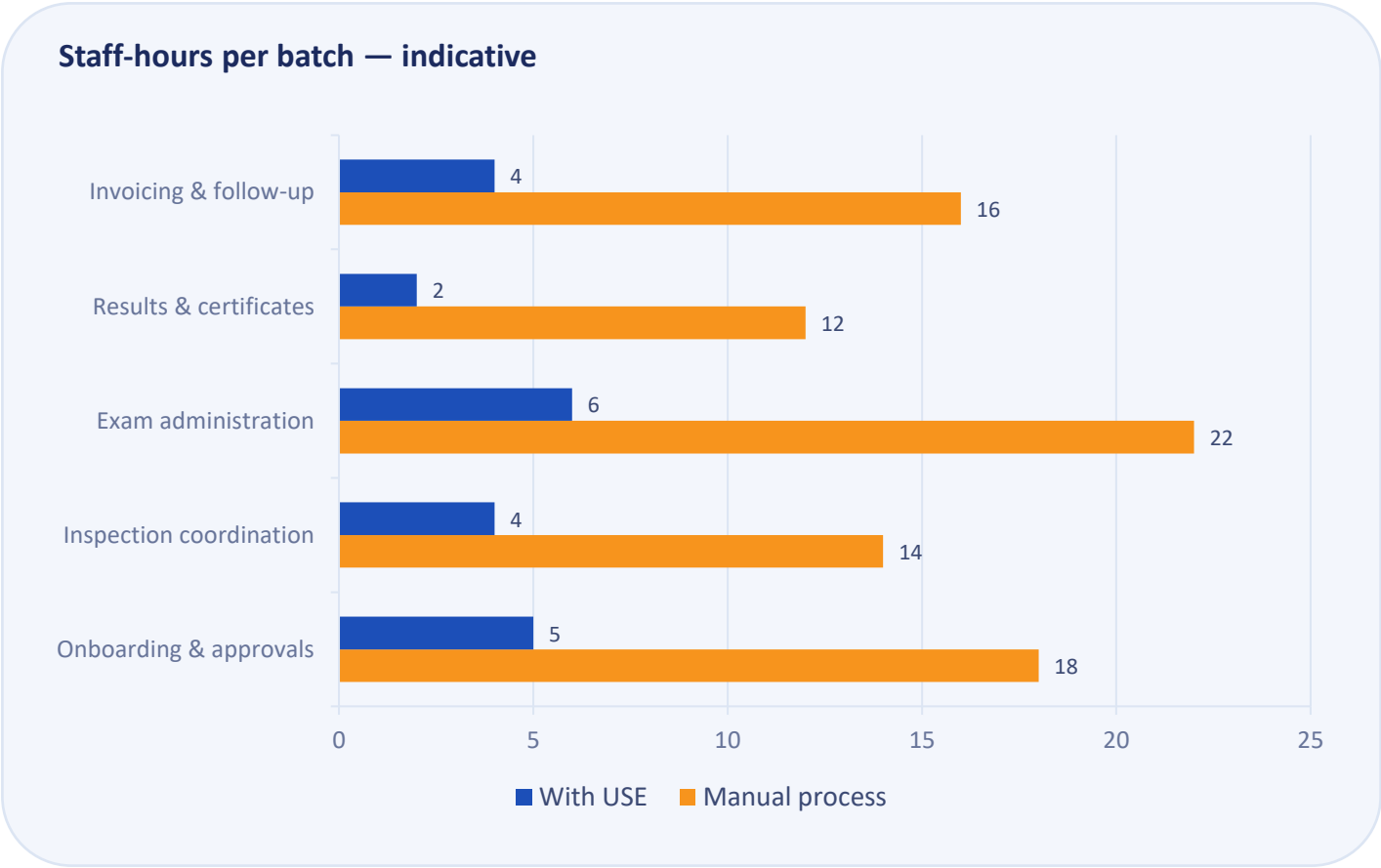
reconciliation and rework hours

Indicative modelling for a mid-sized operation; DataMatrix will calibrate to your audited cost base during discovery.



Manpower Optimisation: Up to 60% Less Administrative Load

So what: the same team runs multiples of today's batch volume — growth without headcount growth.



82 → 21 hours per batch

Queues, auto-emails and one-click actions replace manual chasing across every stage.



Delegation built in

Sub-admins with scoped roles and delegation depth remove the single-person bottleneck.



Self-serve stakeholders

TPs register themselves; trainers accept associations; candidates log in unaided.

Indicative; varies with scheme mix and batch profile.

Resource Allocation: Humans on Quality, AI on Process

So what: automation is aimed at drudgery — judgement, relationships and pedagogy stay human.



HUMANS OWN

- ✓ Training quality and pedagogy
- ✓ Stakeholder relationships and growth
- ✓ Approval judgement on exceptions
- ✓ Assessment fairness oversight



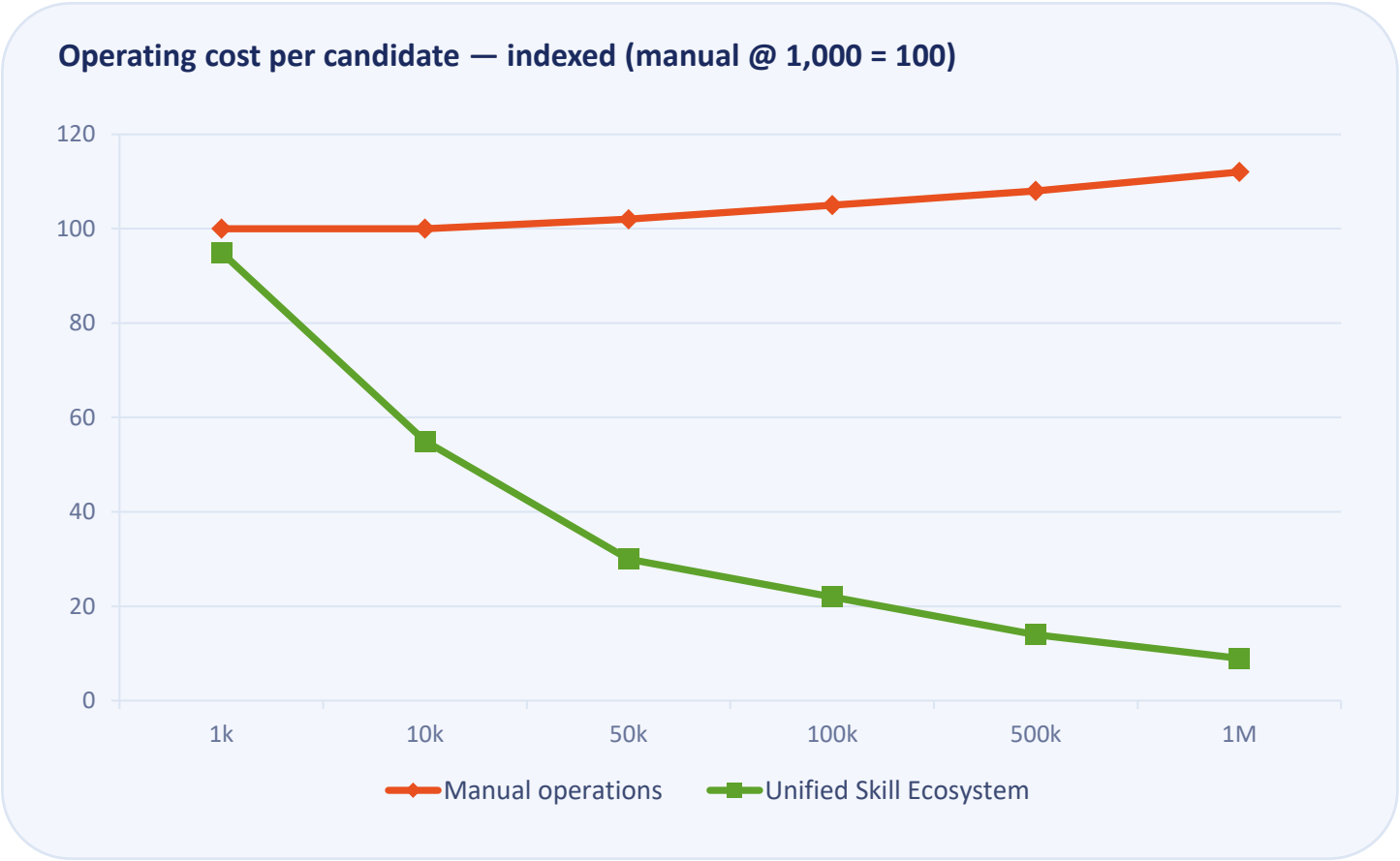
THE PLATFORM OWNS

- ✓ Validation, routing and reminders
- ✓ Proctoring, capture and breach detection
- ✓ Marks computation and pass/fail logic
- ✓ GST/TDS arithmetic and payment states



Scalability: 1,000 to 1,000,000 Candidates, Flat Cost Curve

So what: volume becomes your advantage — unit economics improve as you grow.



Cloud-elastic by design

Proven at 3,000+ concurrent candidates per exam window on DataMatrix infrastructure.



Workflow, not headcount

The 18-stage lifecycle enforces itself — 10x the batches does not mean 10x the staff.



Geography-agnostic

State and district masters plus multilingual delivery cover every corner of India.

Indicative unit-economics model; platform capacity figures from DataMatrix production deployments.

One Platform, Eight Stakeholders — and Every Candidate

So what: each role gets a purpose-built workspace, yet all of them write to the same source of truth.



Administrator

National command centre



Training Partner

Multi-site orchestration



Training Centre

Ground-level delivery



Trainer

Certified instruction



Inspection Agency

Accreditation oversight



Inspector

Evidence-based audits



Assessment Agency

Question banks & results



Assessor

Viva & practical scoring



The Candidate — at the centre of it all: a dedicated exam login, multilingual delivery and a certificate the world can verify.

The 18-Stage Batch Lifecycle: Draft to Closed, Fully Audited

So what: nothing skips a step, nothing gets lost — the workflow enforces itself.





DataMatrix Technology Excellence: Engineered, Not Assembled

So what: this platform is built by operators of the skilling ecosystem, not observers of it.

10+

years inside India's skilling & assessment ecosystem

2M+

candidates assessed on DataMatrix platforms

3,000+

concurrent candidates per exam window, in production

100%

of platform actions covered by the audit log



Precision engineering

Status-gated workflows, uniqueness constraints and validation at every field — correctness by construction.



Integrity-first DNA

Face authentication, GPS evidence and forensic logging were designed in, not bolted on.

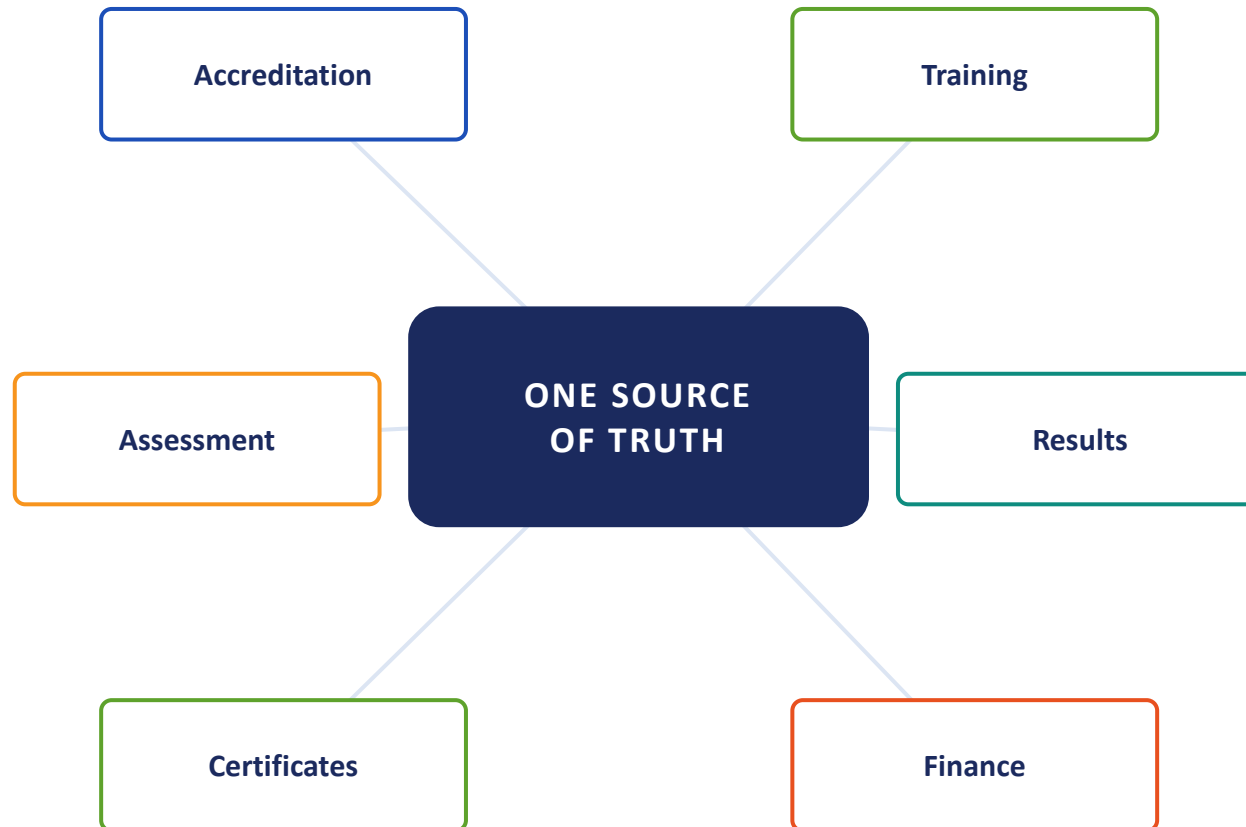


Operator's empathy

Every screen reflects a decade of listening to TPs, agencies and administrators in the field.

System Interoperability: Modules That Talk, Silos That Die

So what: a change in one module is instantly the truth in every other — no exports, no imports, no drift.



Shared masters, everywhere

SSC → Sector → Job Role → NOS → PC hierarchies feed every dropdown in every module.



Events cascade automatically

An approved result unlocks certificates; issued certificates unlock invoicing — no human relay.



Zero parallel copies

No offline registers to reconcile; the record you see is the record that exists.

Cloud-First Strategy: Secure, Always-On, Everywhere

So what: your operation is never hostage to one office, one server or one power cut.



Enterprise cloud hosting

Deployed on AWS cloud infrastructure with resilient compute and managed storage.



Secure by default

Encrypted transport, credentialed role-based logins and hardened access to every document.



Centralised object storage

Every certificate, evidence photo and document stored durably in cloud object storage.



Any device, any place

Browser-based access for all nine roles — inspectors capture evidence straight from the field.



**Always on.
Always yours.**

Scales up for exam-day peaks of 3,000+ concurrent candidates, then scales back — you pay for capability, not idle iron.



The Administrator's Command Centre

So what: one screen shows the health of the entire national operation — and what needs a decision today.



Administrator

Total oversight of the skill landscape: master data, approvals, results, finance and settings.

Command, not chaos



Live national dashboard

Stat tiles across TPs, TCs, candidates, assessments and certificates — with a visual lifecycle pipeline.



Actions-required queues

Every pending decision — TP applications, TC approvals, inspections, invoices — flagged 'Needs Attention'.



Granular RBAC

Per-module × per-action permission matrix; delegated admins with controlled delegation depth.



Forensic audit trail

Actor, role, module, action, record, IP and timestamp on every state change — exportable to CSV.

Training Partner Portal: Multi-Site Management, Simplified

So what: a TP running dozens of centres manages them like one — targets, trainers and money in a single view.



Training Partner

Registers once through a 4-step wizard; then orchestrates centres, trainers, batches and invoices.

Scale without sprawl



Centre lifecycle control

Create TCs, submit for approval, track the 8-step accreditation journey per job role.



Trainer pool management

Aadhaar-anchored trainer profiles, TOT certificates and association requests trainers accept themselves.



Sanctioned-target discipline

Batches can only be created against sanctioned targets — utilised and remaining seats always visible.



One-click training invoices

Raise invoices per batch; watch Subtotal → GST → TDS → Net Payable → Balance Due update live.

Training Centre Operations: Efficiency at the Ground Level

So what: the busiest layer of the ecosystem gets the simplest workflow — five actions run an entire batch.



Training Centre

Runs delivery on the ground: batches, candidates, trainers and attendance.

Delivery, digitised



Guided batch creation

Scheme-validated batch setup with min/max size enforcement and status badges at every step.



Clean candidate enrolment

Structured enrolment with validation — bad data is rejected at entry, not discovered at assessment.



Trainer assignment & changes

Assign accredited trainers; every change is recorded and visible up the chain.



Attendance in minutes

End-of-training hours uploaded digitally — the gate that moves the batch toward assessment.

The Trainer Pool: Professionalising the Workforce

So what: trainer credibility becomes a verifiable asset — for the trainer and for every centre that hires them.



Trainer

A professional identity with qualifications, experience and TOT certification on record.

Credibility on record



Aadhaar-anchored identity

One trainer, one record — locked identity prevents duplicate or ghost trainer profiles.



TOT certification registry

Job-role-wise certificates with issuing body and validity — expiry is visible before it bites.



Consent-based associations

Trainers accept or decline TP/TC association requests from their own dashboard — dignity by design.



Structured career history

Education, professional and training experience captured in repeatable, reportable rows.

Inspection Agency: Eliminating Ghost Centres for Good

So what: accreditation stops being a paperwork ritual and becomes evidence a regulator can stand behind.



Inspection Agency

Manages inspector teams across desktop and ground inspections with full oversight.

Audits with proof



Date-locked inspections

Forms unlock only on the scheduled date — pre-filled 'sofa inspections' are structurally impossible.



Burned-in evidence

In-browser capture stamps TC name, GPS and timestamp into every photo — tamper-resistant by design.



GPS-verified presence

Ground inspections record coordinates with a live map preview and site overview photos.



Scored, structured checklists

10-item desktop and 12-item ground checklists with live score bars and mandatory remarks.

Assessment Agency: High-Integrity Question Bank Management

So what: the intellectual core of assessment — questions — is governed with the same rigour as money.



Assessment Agency

Owens question banks, assessor deployment and the journey from exam to approved result.

Integrity at source



Governed question banks

Job Role Sets with theory, viva and practical items; NOS templates compute pass/fail automatically.



All-or-nothing bulk import

Validate-only dry runs, duplicate detection and transactional imports — the bank is never half-loaded.



One-click translation

Batch translation with live progress; new languages picked up on re-translation.



Live exam command

Per-candidate live status, breach breakdowns, evidence photos and session histories in one modal.

The Assessor Panel: Viva & Practical Scoring, Zero Bias

So what: subjective exams become structured, evidenced and reviewable — fairness you can replay.



Assessor

Conducts viva and practical exams on a dedicated, evidence-generating panel.

Fairness, evidenced



Identity before questions

Aadhaar photo capture, live photo match and location confirmation before any exam begins.



Dual-camera recording

Front + rear cameras with burned-in timestamp/GPS overlay, auto-uploaded in 5MB chunks.



Rubric-based marking

Practical rubrics that must sum to total marks; viva scored in 0.5 steps with per-question remarks.



Accountable completion

Question palettes show scored vs pending; submission is confirmed, final and logged.

The Candidate Experience: A Professional Journey to Certification

So what: candidates are treated like professionals — which is exactly what the programme is creating.



Candidate

A dedicated exam login and a clear, fair, multilingual path to a verifiable credential.

Respect by design



Simple, secure entry

Dedicated exam login with test code — no confusion with portal logins, no shared passwords.



Their language, their pace

Switch languages mid-exam; navigate with a clear question palette and progress view.



Fair by construction

Question randomisation and option rotation mean no two neighbouring screens match.



A credential that counts

Passing earns a PDF certificate anyone on earth can verify in seconds — no login required.



Public Verification: Trust Anyone Can Check in Seconds

So what: the certificate stops being a claim and becomes a checkable fact — killing the fake-certificate market.

CERTIFICATE VERIFIED

Certificate No.	USE-2026-004317
Candidate	Verified against record
Job Role / QP Code	As accredited & assessed
Score & Grade	From the approved result
Issue & Validity	Auto-stamped from lifecycle



Zero-friction checking

Employers, schemes and families verify at a public URL — no account, no phone call, no wait.



Forgeries fail loudly

An invalid number returns an unmissable 'Certificate Not Found' — fakes die on first contact.



Value flows back

Every verification strengthens the brand of every genuine certificate you have ever issued.

The Death of Malpractice: Five Layers of Defence

So what: fraud must defeat every layer at once — and every layer leaves evidence when attacked.



IDENTITY

Aadhaar-matched face authentication before any exam begins



VENUE

GPS-locked exam locations and inspection sites



CONTENT

Question randomisation and option rotation per candidate



BEHAVIOUR

AI capture, breach counters and automatic forced submission



RECORDS

Soft-delete-only data and a forensic, exportable audit log

AI Proctoring: Every Exam Watched, Every Breach Counted

So what: invigilation stops depending on who is in the room — the platform never blinks.



Face authentication

Live capture matched to the Aadhaar photo — impersonation stopped before the first question.



Dual-camera recording

Front + rear video with burned-in timestamp and GPS, uploaded automatically in chunks.



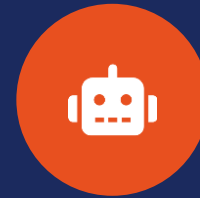
Configurable capture

Photo, video and screenshot frequencies tuned per batch through auto-saving proctoring settings.



Breach engine

Every violation increments a counter; the configured limit triggers automatic forced submission.



Deterrence by certainty

Candidates who know every second is evidenced simply do not attempt malpractice — the cheapest breach is the one never tried.



GPS-Tagged Evidence: Proving Physical Presence

So what: 'we were there' becomes a coordinate, a timestamp and a photograph — not a signature on a register.

- 

Ground inspections
Latitude/longitude captured with 'Use My Location', live map preview and up to five site photos.
- 

Overlay-stamped photos
TP/TC name, location and timestamp burned into each evidence image at the moment of capture.
- 

Exam venue confirmation
Assessors confirm assessment location before viva and practical exams can proceed.
- 

Date-locked forms
Inspection forms open only on the scheduled date — a countdown screen guards every early attempt.

EVIDENCE RECORD	
Type	Ground inspection
Ref	INSP-GROUND-2026-0041
GPS	28.5355° N, 77.2588° E
Time	10:42:17 IST · on schedule
Photos	12 parameters + 5 site views
Status	Submitted · immutable



Bulletproof Audit Logs: Every Click, Every IP, Every Second

So what: any dispute, any enquiry, any audit-grade question — answered from the log in minutes, not weeks.

PLATFORM AUDIT LOG — LIVE VIEW			
10:41:03	TC Reviewer	APPROVE	TC entity approval · TC-2026-00184
10:42:17	Inspector	SUBMIT	Ground inspection · INSP-GROUND-2026-0041
10:44:52	Assessment Agency	OVERRIDE	Result override · typed reason recorded
10:47:19	Finance Admin	PAYMENT	NEFT recorded · invoice INV-T-2026-0912
10:49:05	Superadmin	EXPORT	Audit CSV export · filtered by module



Complete capture

Actor, role, module, action, record ID, IP address and timestamp on every state change.



Filter & export

Slice by actor, module, action or date range; export to CSV for any external review.



Immutable by policy

Nothing is hard-deleted; overrides and resets demand a typed reason that joins the record forever.

Fairness Guaranteed: Algorithmic Scoring, Human Dignity

So what: two candidates with the same performance get the same result — regardless of who assessed them.



Rubric-bound practicals

Rubric rows must sum to total marks — assessors score against criteria, not impressions.



Algorithmic pass/fail

NOS templates compute results from marks and weightages — no arithmetic in anyone's head.



No two papers alike

Randomised questions and rotated options neutralise copying and answer-key leaks.



Overrides with accountability

Results can be corrected — only with a typed reason, only in a window, and always on the record.



**Same performance,
same result.**

Fairness is not a promise made in training sessions
— it is a property of the scoring pipeline itself.

Data Privacy & Protection: Guarded at Every Gate

So what: sensitive identity, bank and performance data is handled with enterprise-grade discipline.



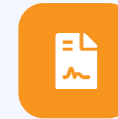
Access, minimised

Role-based permissions ensure each user sees only the records their mandate requires.



Identity data, respected

Aadhaar-anchored records are locked after creation and used strictly for verification.



Inputs, validated

PAN, GSTIN and IFSC format enforcement plus strict upload size limits at every form.



Storage, disciplined

Documents in secured cloud object storage; records soft-deleted only, never silently erased.



Sessions, accountable

Credentialed logins per role with full login-session histories per candidate exam.



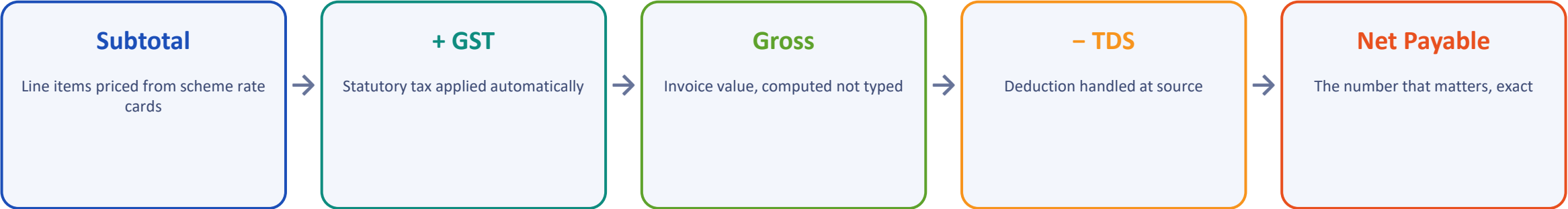
Posture, continuous

Security is operated, not installed — hardening and review are part of the managed service.



Automated Invoicing Engine: GST, TDS and Net Payable, Instantly

So what: the most error-prone document in the ecosystem becomes the most reliable one.



Both sides of the money

Training invoices for TPs and assessment invoices for AAs — one engine, both flows.



Payments, properly recorded

NEFT, RTGS, cheque, UPI or online — with references, partial payments and auto-updated balances.



Leakage, structurally closed

Rate cards, duplicate blocking and audit-logged payment entries close every classic gap.

Paid and Balance Due update the moment a payment is recorded — finance sees truth, not estimates.



Financial Transparency: Real-Time Truth About Every Rupee

So what: 'what is outstanding, where, and since when' becomes a glance, not a month-end project.

Live

balance due per invoice, per batch, per partner

5 modes

NEFT · RTGS · Cheque · UPI · Online — all referenced

Partial

payments tracked with automatic status transitions

1 view

Subtotal → GST → Gross → TDS → Net
→ Paid → Balance



Cash-flow visibility for partners

TPs and AAs see exactly what has been raised, paid and pending — trust replaces telephone follow-up.



Portfolio view for administrators

Every invoice, both types, one filterable list with status — approvals and exceptions surface instantly.



Disputes die quickly

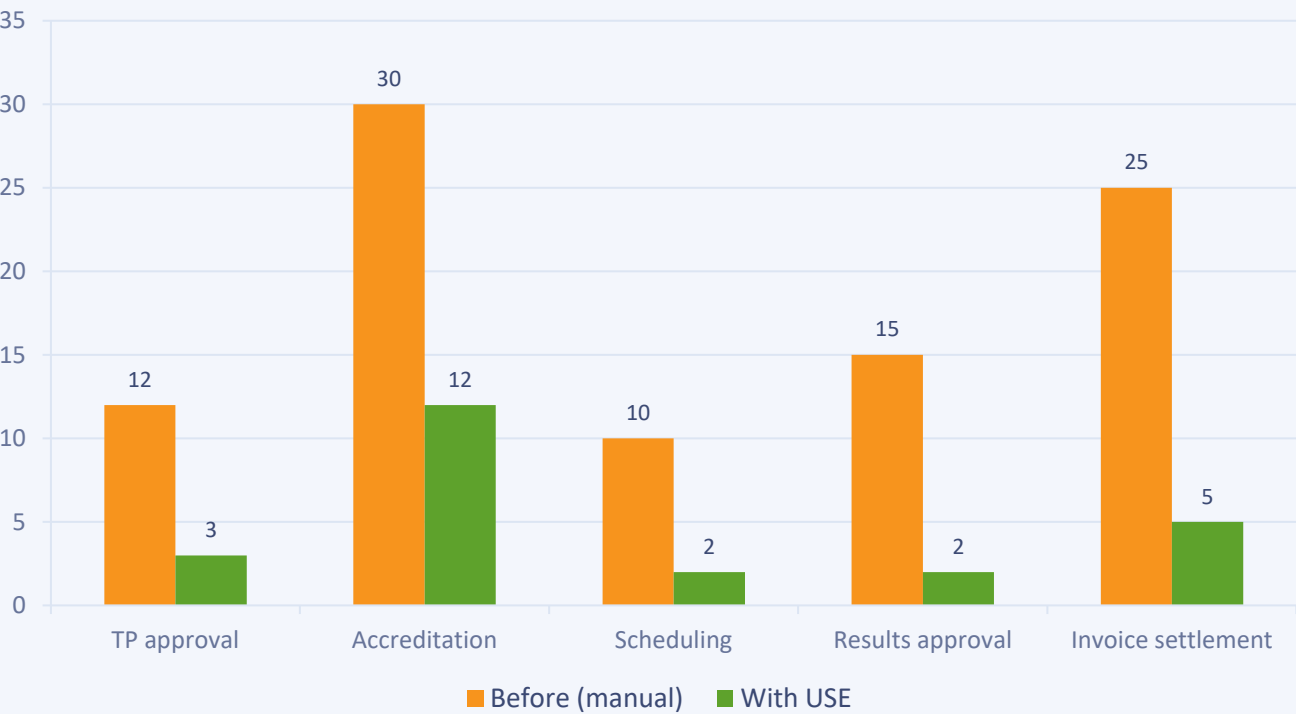
Every payment entry carries mode, reference and author — reconciliation becomes retrieval.



Live Monitoring: Detect Bottlenecks Before They Bite

So what: management intervenes on leading indicators, not on last month's complaints.

Average days stuck per stage — indicative



Actions-required queues

'Needs Attention' cards per pending pile — nothing ages silently in an inbox.



Pipeline strips

Six-stage inspection and full batch pipelines with live counts at every tile.



Exam-day awareness

Live per-candidate status, breach counters and evidence during every assessment.

Indicative stage-latency comparison; your baseline is measured during discovery.

MIS Reporting: Multi-Dimensional, Decision-Ready Analytics

So what: every review meeting starts from the same numbers — because there is only one set of numbers.



Filterable everything

Every list is a live data table — filter by status, scheme, geography, agency or date range.



One-click CSV exports

Audit logs and operational lists export instantly for boards, auditors and funders.



Stat tiles across modules

Twelve clickable system-overview tiles give superadmins the national picture in one glance.



Lifecycle analytics

Counts at every one of the 18 stages expose exactly where volume and value sit today.



Target utilisation

Sanctioned vs utilised vs remaining seats, per scheme and per TP — funding truth on demand.



Time-sliced views

Date-range filters turn the same data into daily operations or annual programme reviews.

Document Control: The End of 'Lost File' Syndrome

So what: every document that matters has one home, one owner and one retrieval path.



One home per document

Registration certificates, PAN cards, cheques, QP PDFs, TOT certificates, evidence photos — attached to their records, forever findable.



Validated at the door

Type and size limits enforced at upload; resubmission links reopen forms pre-filled for correction.



Viewable in context

Reviewers open documents beside the application they support — no email archaeology.



Durable and protected

Cloud object storage with controlled access — no laptop crash ever takes the programme's memory with it.

0

**documents lost,
by architecture**

Centralised digital storage replaces cupboards, pen drives and personal inboxes.

Implementation Roadmap: Onboarding to Live, in Record Time

So what: value realisation is measured in weeks — with a pilot batch proving the model before scale.



Indicative plan for a standard deployment; migration scope calibrated during discovery.

Success Metrics: Defining ROI for Your Organisation

So what: we agree the scoreboard before kickoff — and the platform itself supplies the evidence.



Cost per certified candidate

Baseline at discovery; tracked per scheme from the platform's own finance data.



Stage latency

Days per lifecycle stage — approvals, scheduling, results, settlement — trending down.



Batches per administrator

Operational leverage measured directly: volume handled per staff member.



Integrity incidents

Breaches detected, overrides logged, disputes raised — and their resolution time.



Verification adoption

Public certificate checks per month — the market's trust in your credential.



Days sales outstanding

Invoice-to-payment days across partners — the cash-flow dividend, quantified.

The DataMatrix Partnership: More Than a Vendor

So what: you are buying a decade of ecosystem fluency and a team that answers the phone — not a licence key.



Dedicated support

Named support with operational understanding of schemes, assessments and exam-day pressure.



Configuration & customisation

Schemes, rate cards, checklists, proctoring policies and branding tuned to your programme.



Training & handholding

Role-wise onboarding backed by a complete, role-by-role user manual for every screen.



A shared roadmap

Your operational reality shapes the product — as it has for ten years of DataMatrix platforms.



Technology partner, not ticket counter

New Delhi headquartered · Skill-ecosystem native ·
Founder-led engineering

CONCLUSION

Why the Unified Skill Ecosystem Is the Only Rational Choice

*Fragmented tools optimise fragments. Only a unified platform optimises the outcome:
skilled people, certified credibly, funded transparently, at falling unit cost.*



PROFITABILITY

Consolidation, automation and faster cash —
operational leverage from day one.



TRANSPARENCY

One source of truth, five layers of defence,
evidence behind every certificate.



SCALABILITY

From a district pilot to a national footprint on
the same flat cost curve.

*One Platform, **One Source of Truth.***



Questions & Discussion

Let us walk a batch from registration to a verified certificate — live, in thirty minutes.



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