

Decoding DRONĀ Domain 1: Teaching & Student Success

DRONĀ
Scheme

Certification Scheme for Teaching Professionals
in Higher Education Institutions

Competence Standard for Teaching
Professionals in Higher Education
Institutions

Version 0.4

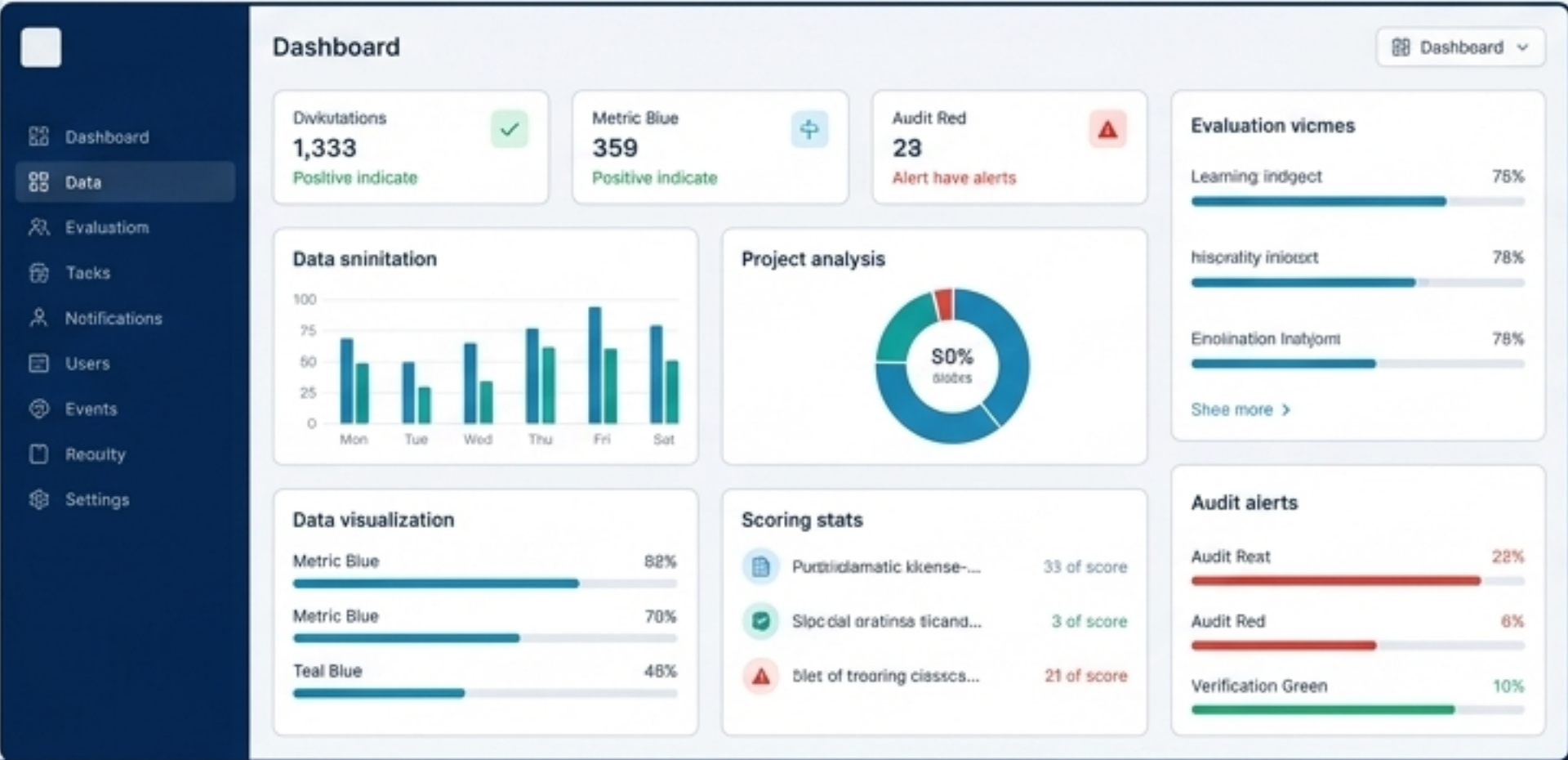
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Standard Reference: ISO/IEC 17024 – Conformity Assessment — General Requirements
for Bodies Operating Certification of Persons

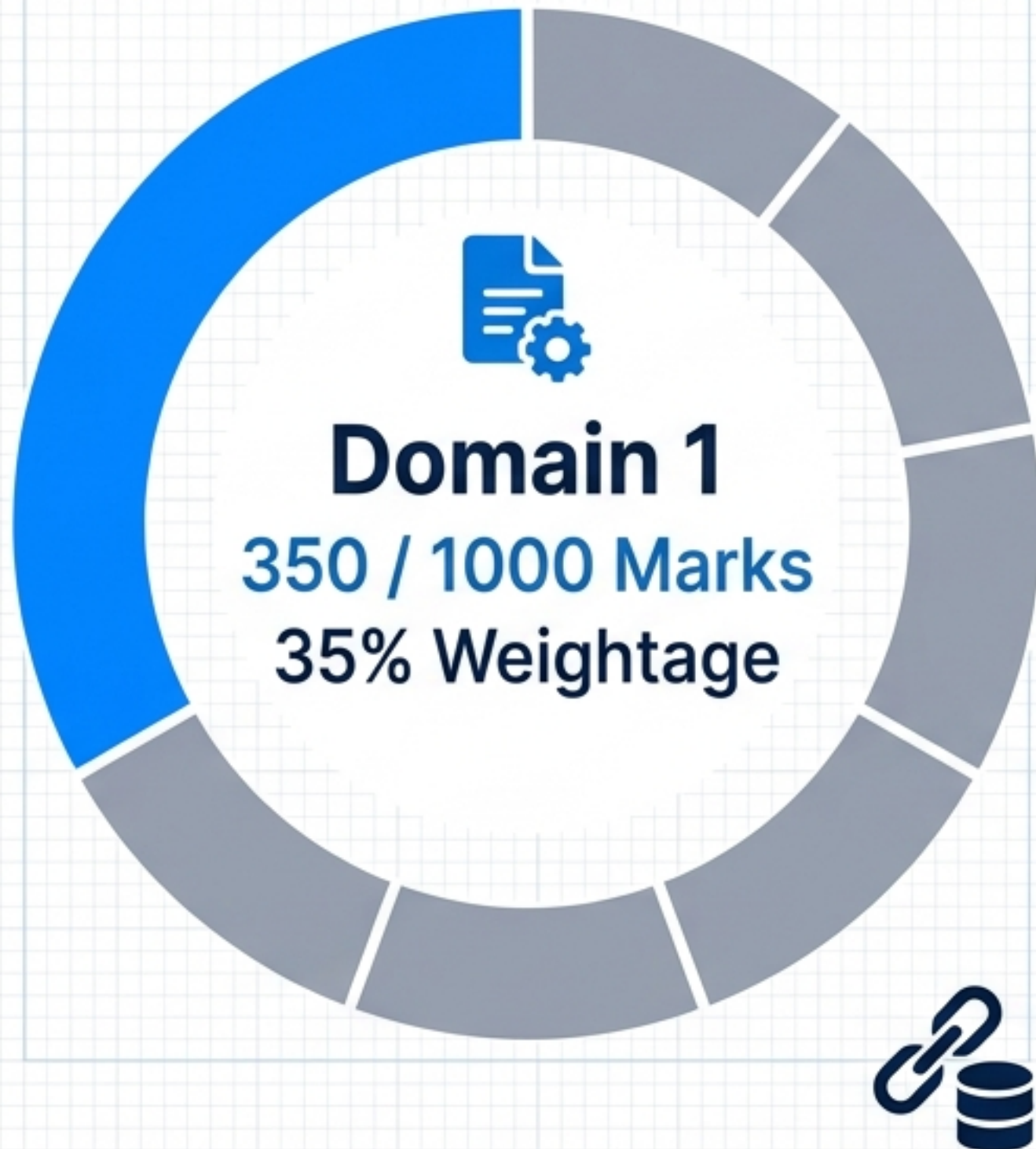
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Document Control

Item	Details
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The DRONĀ Ecosystem



Faculty Category Modifiers

Teaching & Research Faculty

Domain 1 =
350 Marks



Teaching-Intensive Faculty ✓

Domain 1 = ✓
500 Marks

(Must score a minimum of 180 to qualify)

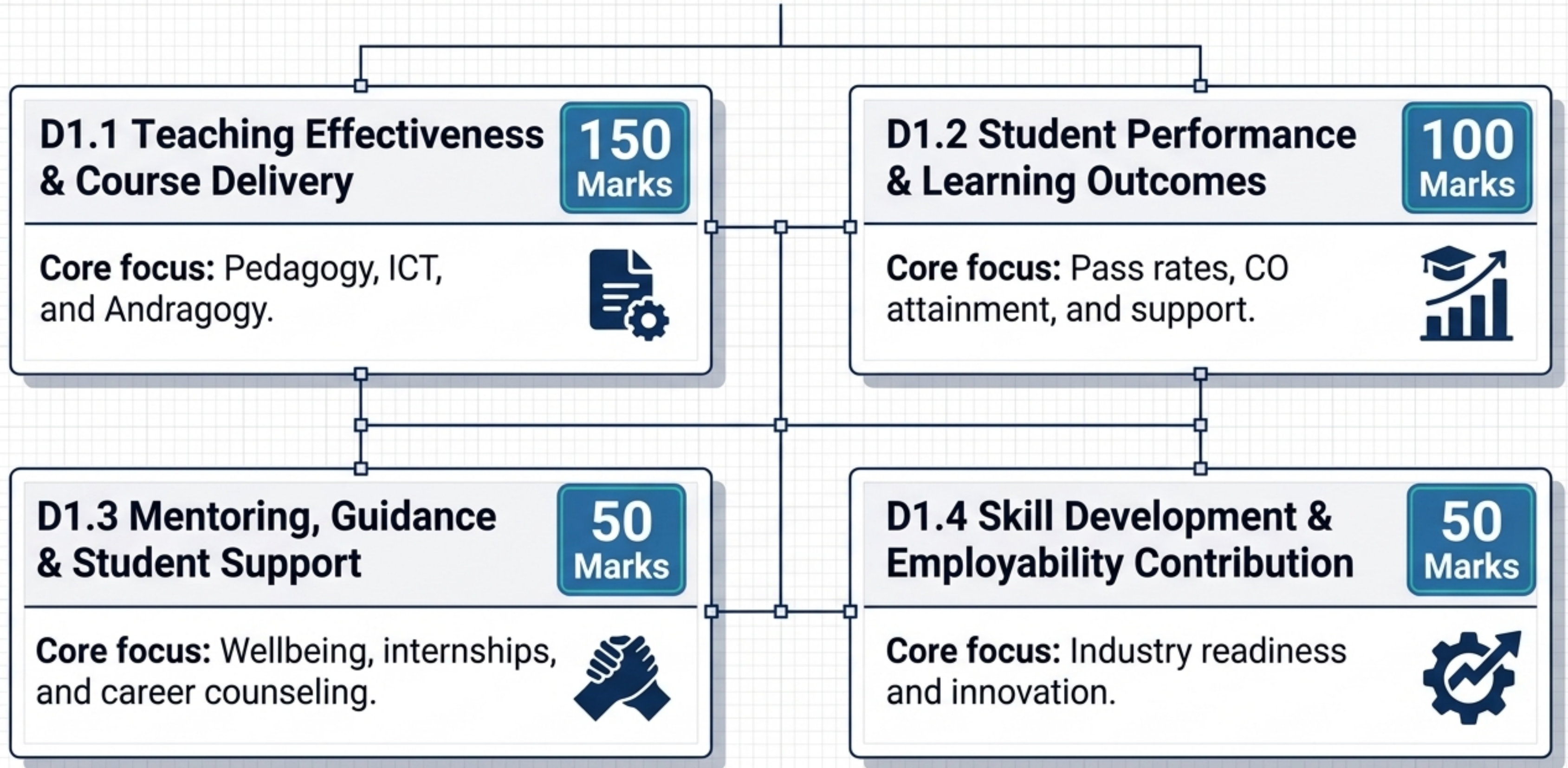
Research-Intensive Faculty

Domain 1 =
200 Marks



Takeaway: Domain 1 is the heaviest weighted core competency for standard and teaching-intensive academics.

The Domain 1 Blueprint



D1.1.1 Workload & Scale (10m)

$$\left\{ \begin{array}{l} [\text{Total Courses}] + \\ [\text{UG/PG Mix}] + \\ [\text{Class Size} > 30] \end{array} \right\} = \text{Base Score}$$

Metric
metric dial



✓ **10 marks:** Multiple UG courses with >30 enrollment + verified records.

📄 **2.5 marks:** Partial completion/documentation.

D1.1.2 LMS-Enabled Course Implementation (20m)



Requires LMS screenshots/analytics



Tier 1: Minimal/irregular use (5m)

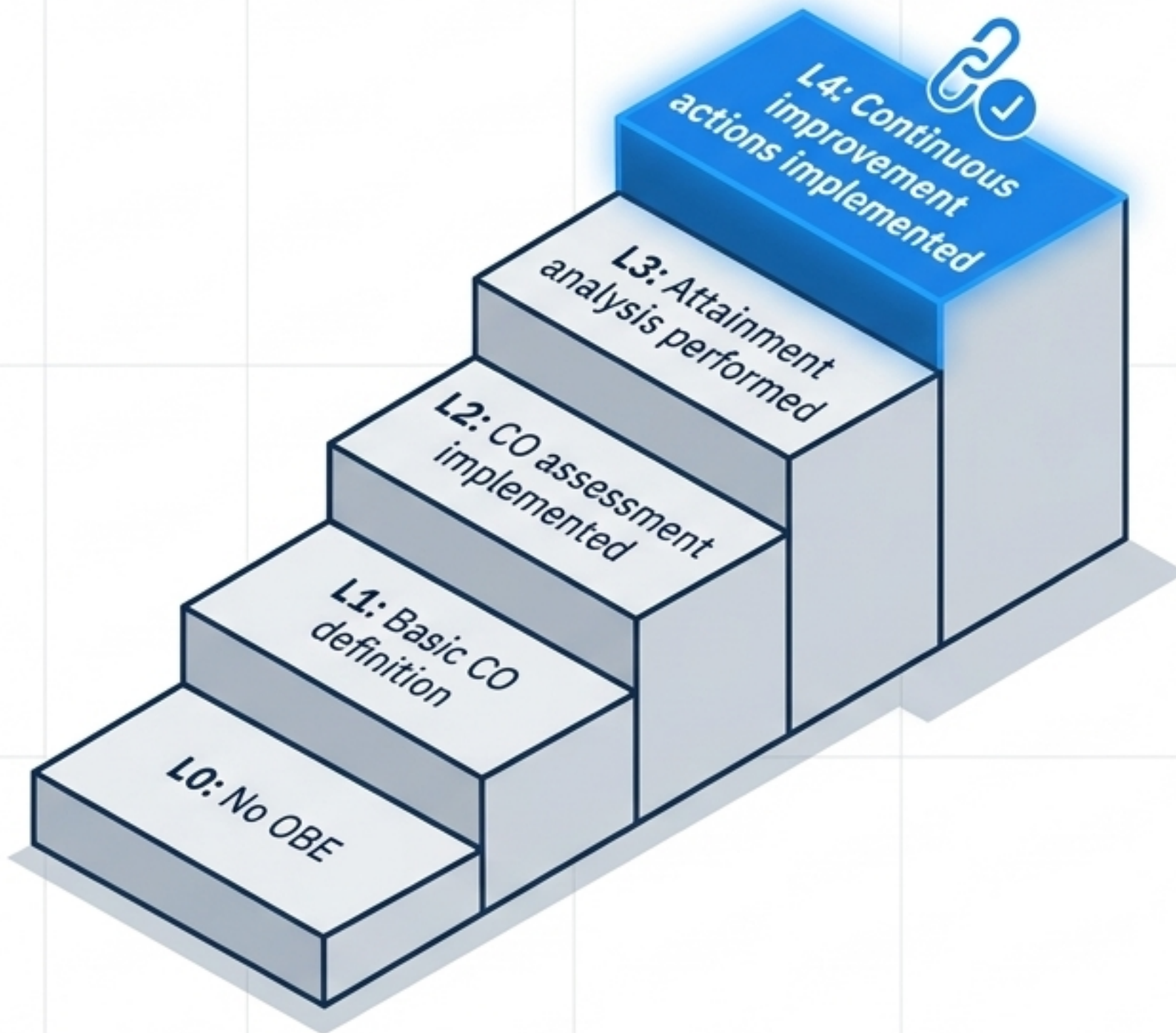
Tier 2: Content sharing only (10m)

Tier 3: Moderate engagement + assessments (15m)

Tier 4: Extensive LMS + Digital Assessments + >70% Active Student Participation (20m)

D1.1.3 Outcome-Based Education Maturity (20m)

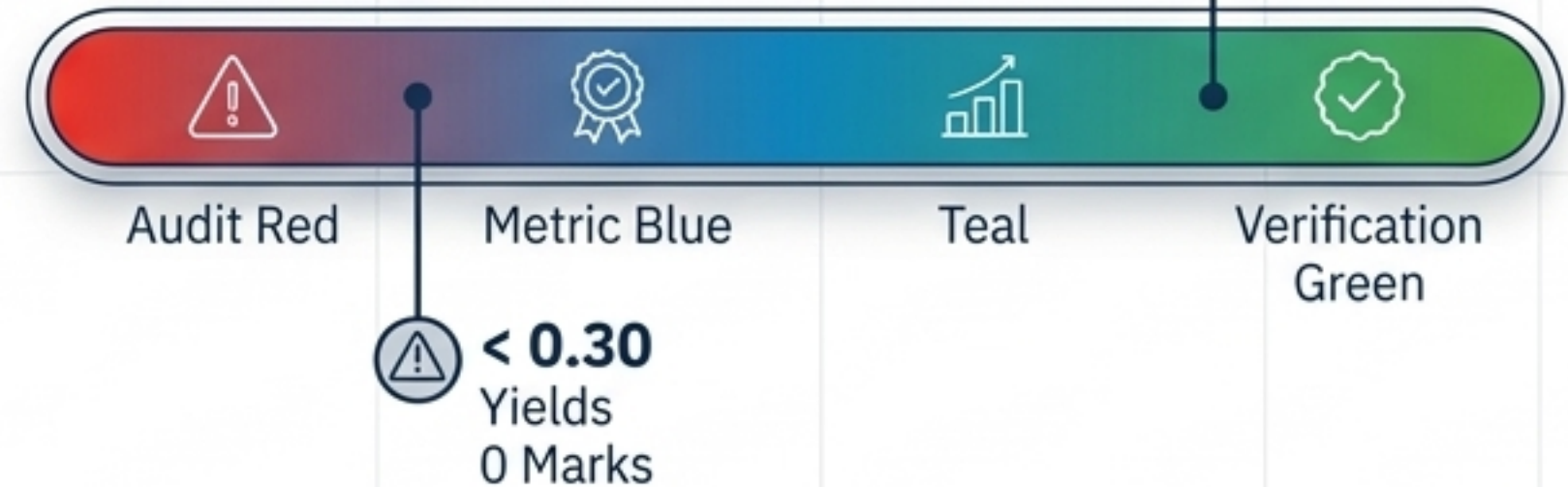
The OBE Maturity Staircase (Q4)



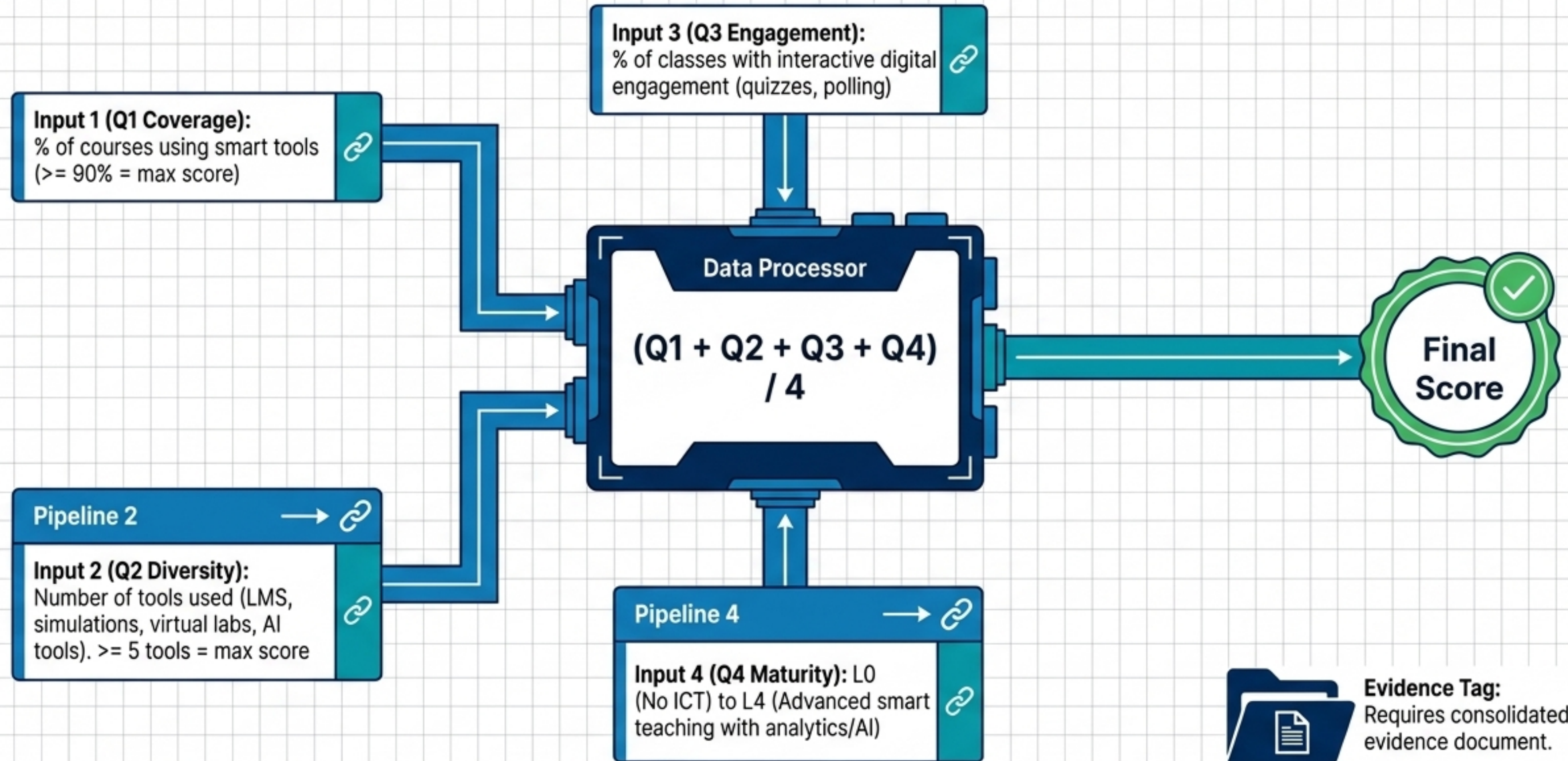
The Score Engine

$$\begin{aligned} \text{OBE Score} = & (0.4 \times \text{Q1 [Coverage]}) \\ & + (0.3 \times \text{Q2 [Achievement]}) \\ & + (0.2 \times \text{Q3 [Improvement]}) \\ & + (0.1 \times \text{Q4 [Maturity]}) \end{aligned}$$

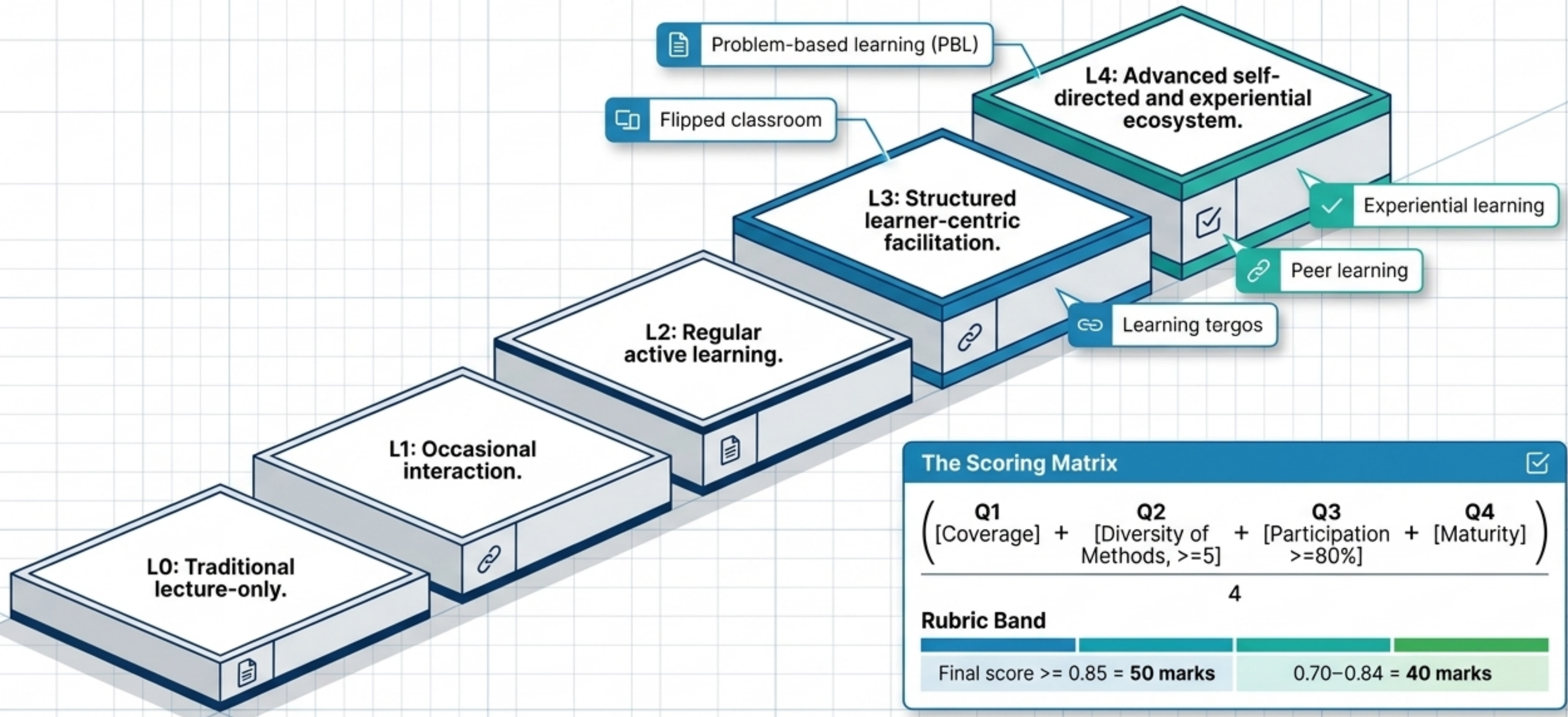
Rubric Heatmap



D1.1.4 ICT & Smart Teaching Practices (20m)



D1.1.5 Andragogy-Based Facilitation (The 50-Mark Heavyweight)



D1.1.6 Innovative Teaching Practices (30m)



Verified Innovations

- Industry-integrated assignments
- Real-time problem-solving
- Digital twin-based teaching
- Gamified learning
- Research-integrated UG teaching

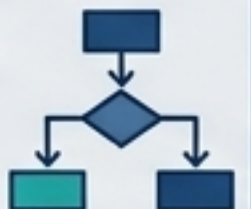


Rejected Practices

- Routine PPT teaching
- Normal LMS usage
- Cosmetic/non-academic changes
- Repeated classroom activities already claimed in D1.1.5

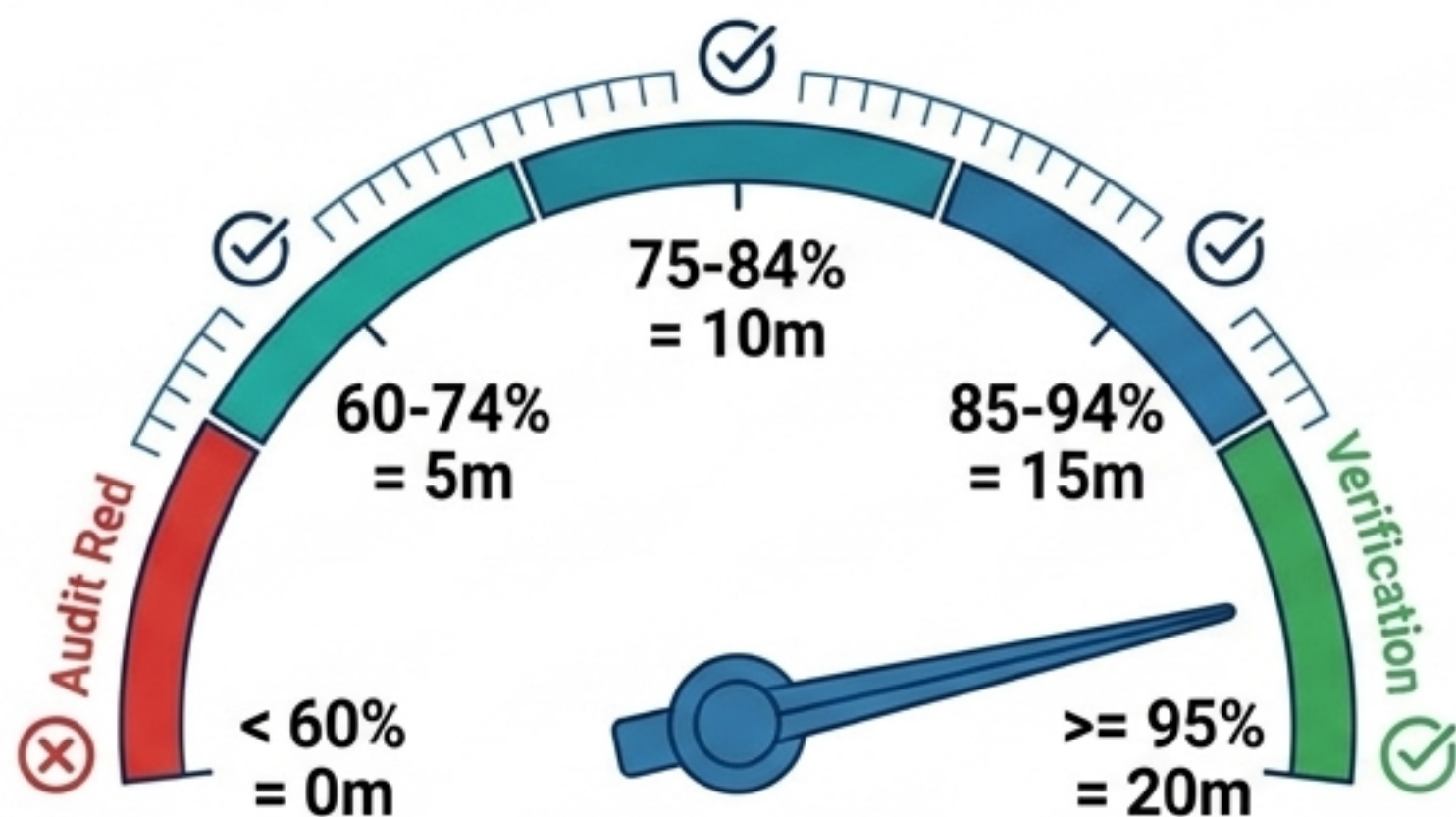
Scoring Engine

Based on volume (≥ 4 innovations), advanced integration (industry/AI), and measurable student impact. Final score $\geq 0.85 = 30$ marks.

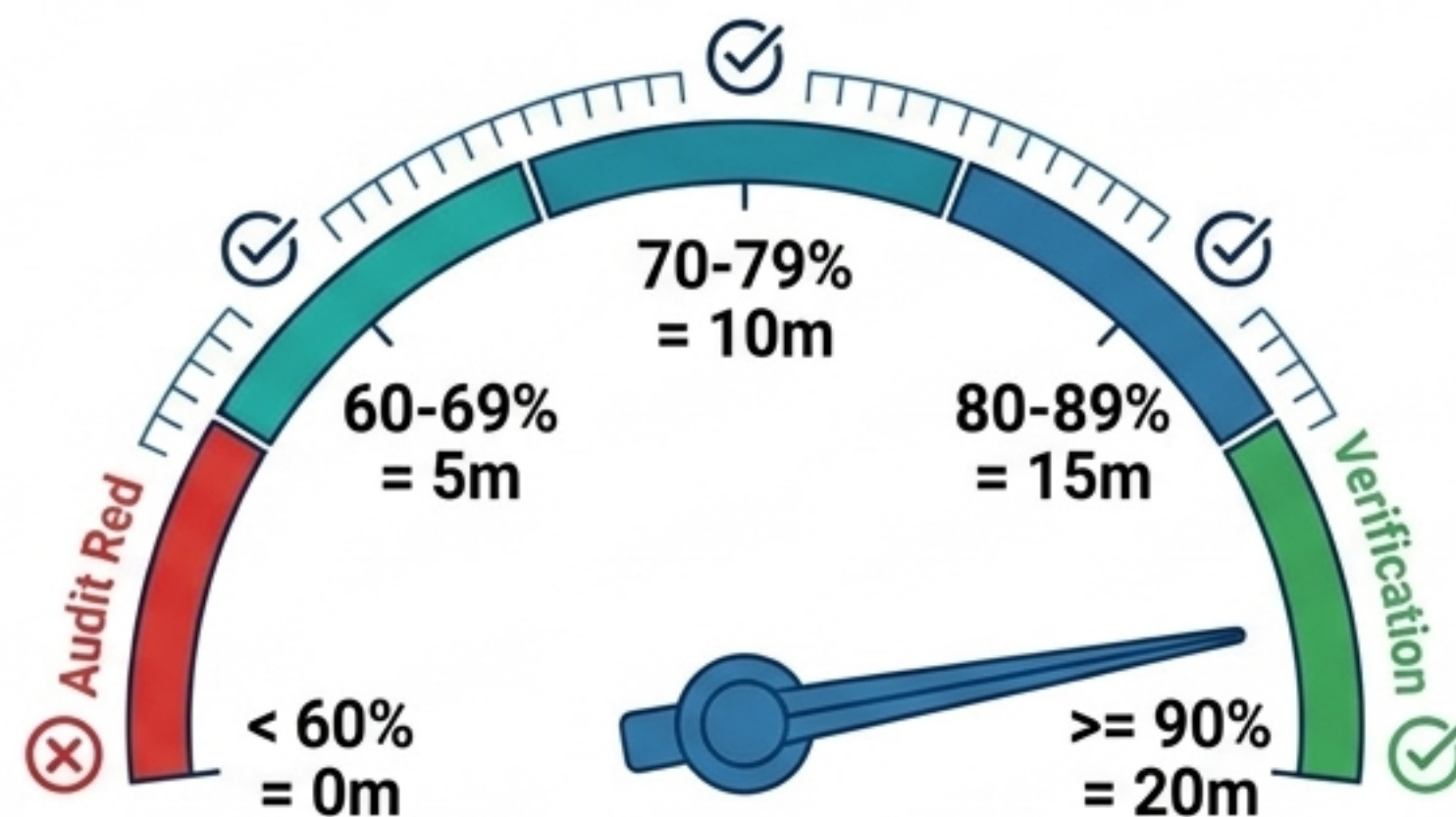


Subdomain 1.2 Overview: Outcomes & Attainment (100 Marks)

D1.2.1 Pass Percentage (20m)

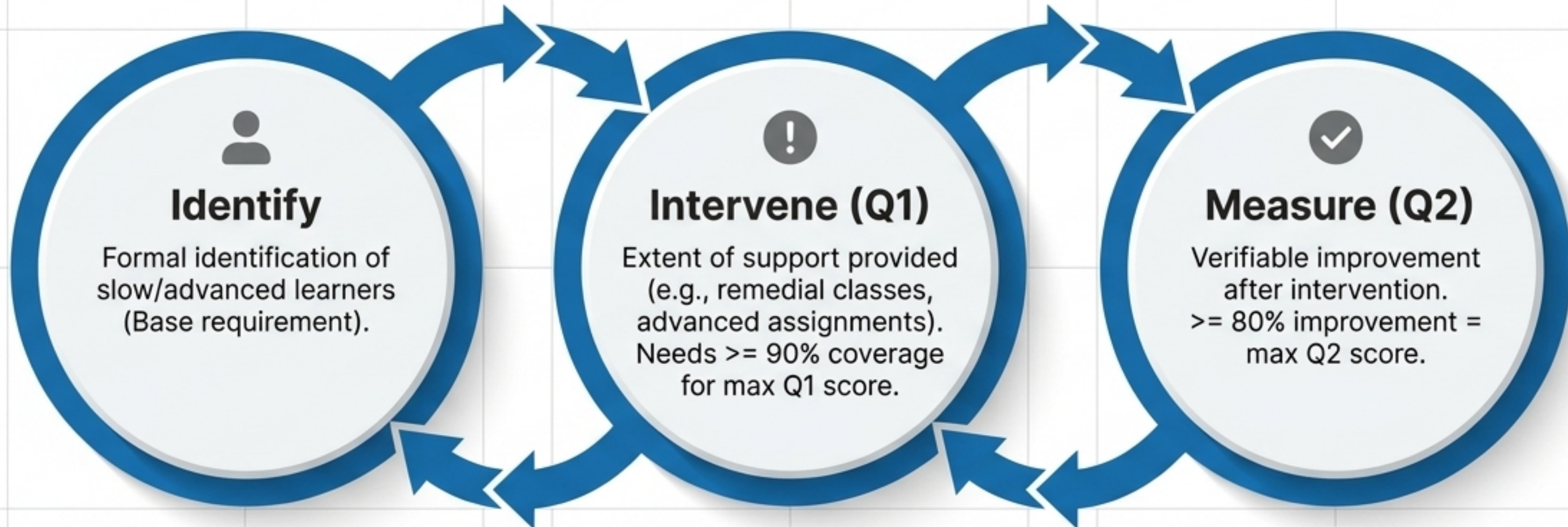


D1.2.2 CO Attainment (20m)



Data Verification Tag: Requires consolidated result analysis and institutional CO attainment reports.

D1.2.3 Support System for Diversified Learners (30m)



$$(Q1 + Q2) / 2 = \text{Final Score}$$



**Final score ≥ 0.85
= 30 marks.**

D1.2.4 Student Feedback (15m)

The Feedback Formula:

Satisfaction Score (Q1) + Participation Rate $\geq 90\%$ (Q2) + Official Verification (Q3)



Red Flag: Informal verbal feedback or unidentifiable response records will yield 0 marks.

D1.2.5 Academic Achievements Under Mentorship (15m)



University
Ranks



Hackathon
Trophies



Published
Patents



Innovation
Awards



≥ 5 recognized achievements under direct mentorship = **full 15 marks.**

3-4

= 10m

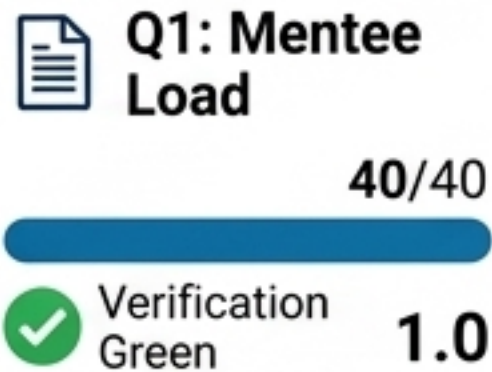
1-2

= 5m

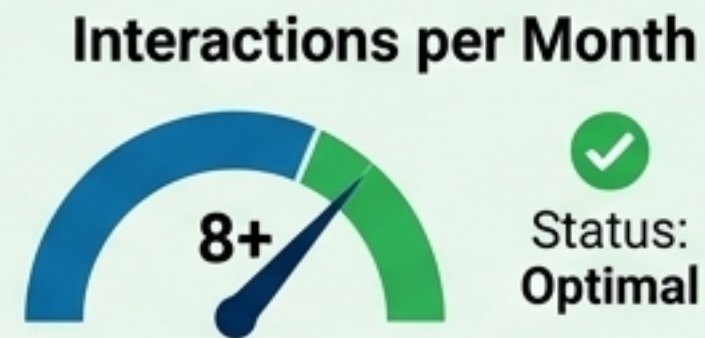
Subdomain 1.3: Mentoring, Guidance & Support (50 Marks)

D1.3.1 Assigned Mentoring Responsibility (5m)

$$\text{Mentoring Engagement Score} = \frac{\left(\begin{array}{l} \text{Q1} \\ \text{[Mentee Load} \geq 40] \end{array} + \begin{array}{l} \text{Q2} \\ \text{[Schedule Compliance} \geq 90\%] \end{array} + \begin{array}{l} \text{Q3} \\ \text{[Verified Records]} \end{array} \right)}{3}$$



D1.3.2 Mentoring Interaction Frequency (5m)

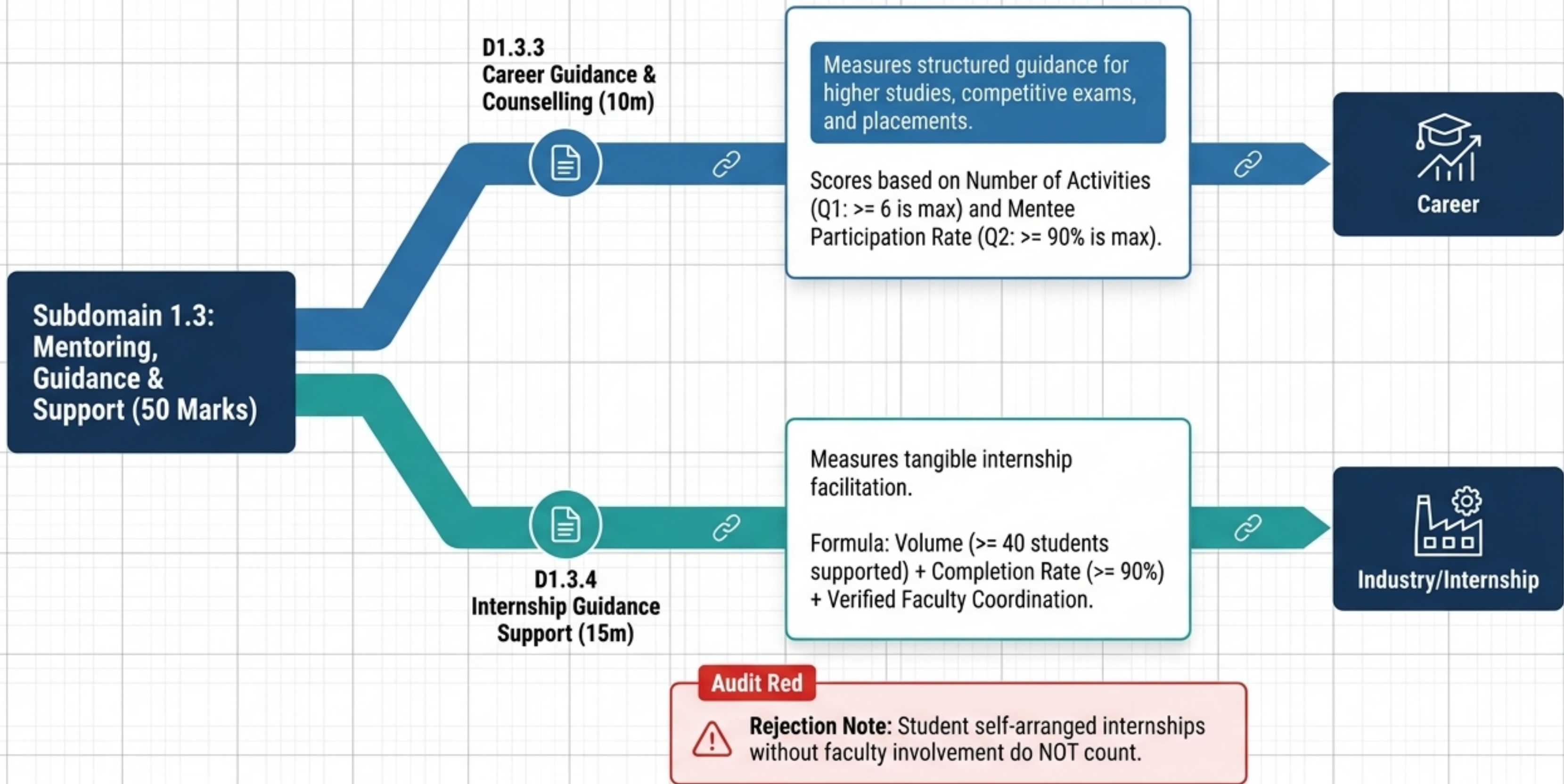


Evaluates the regularity of meetings (interactions per month + % of schedule completed).

Rejection Warning Panel



Mentoring claims are rejected for: Informal unrecorded meetings, non-assigned student interactions, or duplicate log entries.



D1.3.5 Student Wellbeing & Inclusion Support (10m)



Focuses on socially/economically disadvantaged students, special-needs assistance, and gender sensitivity initiatives.

Scoring Logic

Scores based on **Number of Initiatives** (Q1) + 

 **Coverage of Identified Students** (Q2, $\geq 90\%$ for max)

 **Verifiable Implementation** (Q3). 

D1.3.6 Mentoring Satisfaction (5m)



**Student
Input**



**ERP/Survey
Analytics**



**5.0
Verified
Score**

Purely based on mentee feedback specifically regarding the mentoring experience (not classroom teaching).

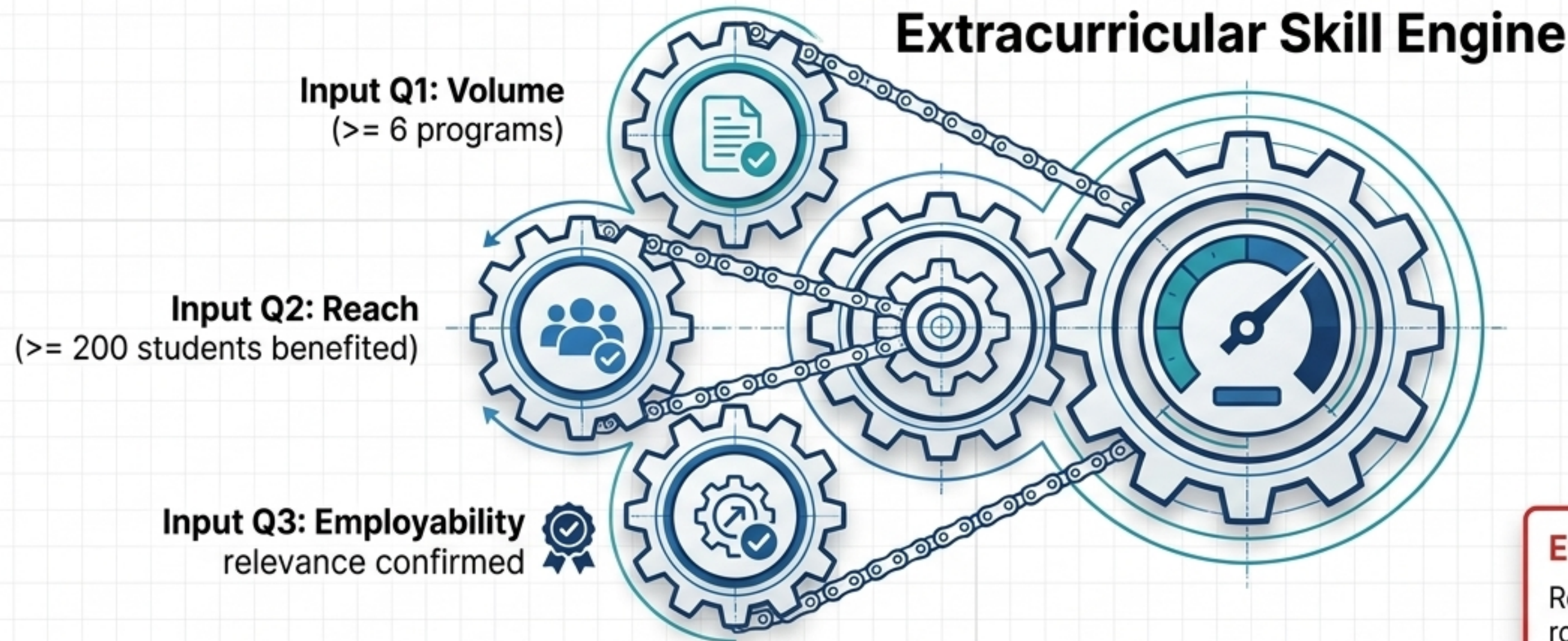


**Requires official ERP/survey analytics.
No informal claims accepted.**

Subdomain 1.4: Skill Development & Employability (50 Marks)

Core Focus: D1.4.1 Skill Development Programmes (15m)

Evaluates technical workshops, coding bootcamps, and communication skill programs outside regular syllabus.



The Engine Formula: $(Q1 + Q2 + Q3) / 3$

Excluded:

Regular classroom teaching, routine lab sessions, and faculty-only FDPs are explicitly rejected.

D1.4.2 Industry Interaction (5m)

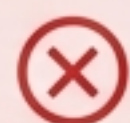
Focus:

External linkage.

Metrics:



Organizing guest lectures, facilitating MoUs (≥ 4 for max score), engaging external experts (≥ 10 for max score). ✓



Not Considered: Vendor promos or internal seminars.

D1.4.3 Placement Support (5m)

Focus:

Employability prep.

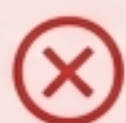
Metrics:



Aptitude training, interview prep, resume workshops.



Measured by initiatives (≥ 8) and students successfully completing readiness programs (≥ 100). ✓



Not Considered: Internships (scored in D1.3.4).

Terminal Node: D1.4.5 Innovation & Startup Support (15m)

D1.4.4 Certification Initiatives (10m)

Measures faculty guiding students through external technical/aptitude certifications.



Scored on volume of initiatives, student reach, and verified completions.

The Startup Rubric

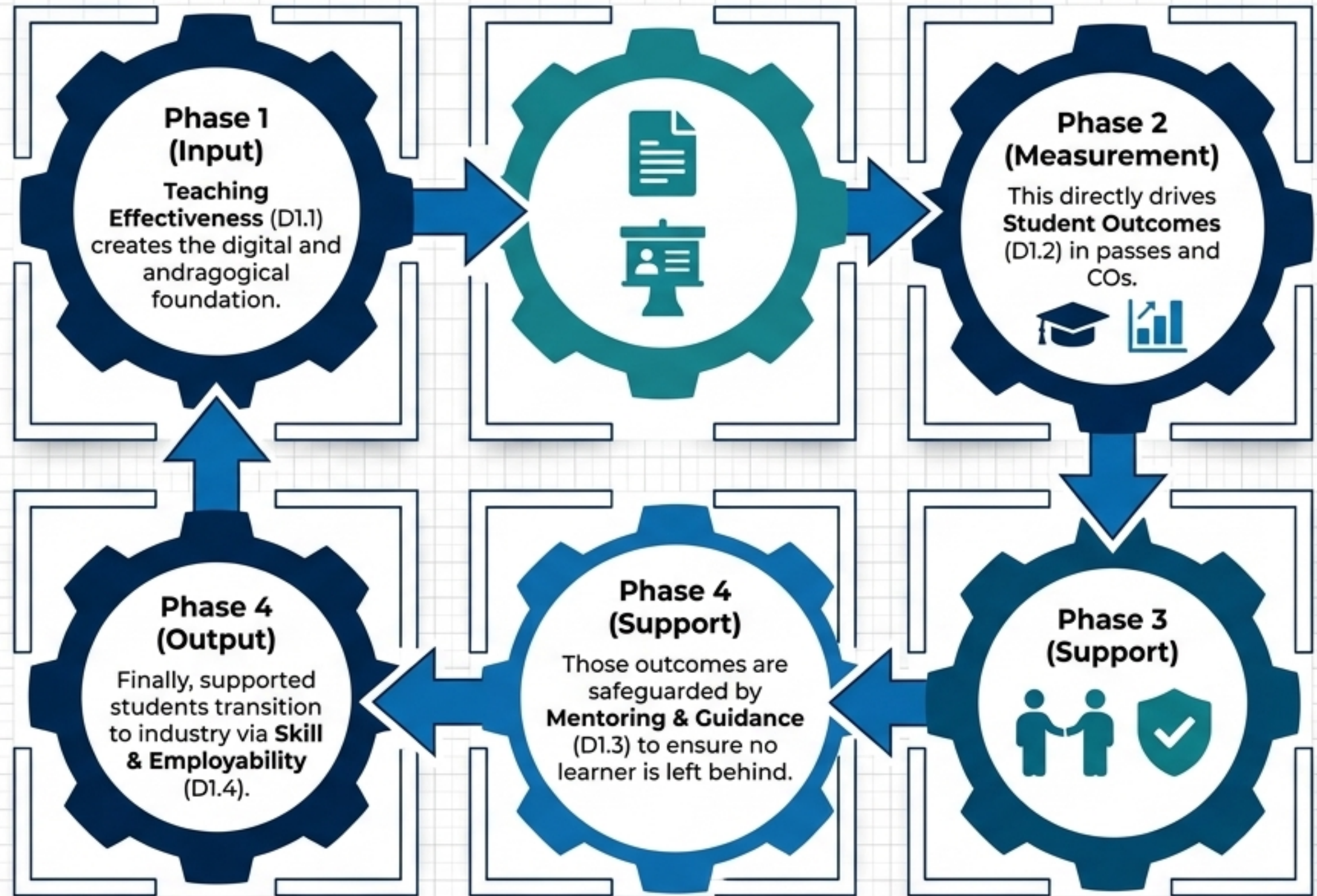
- ✓ Scales from early ideation to established incubation.
- ✓ **Accepted Evidence:** Prototypes, patent filings, seed funding letters, incubation records.

Rejection Condition:



Routine academic mini-projects or informal unrecorded ideas do not qualify.

The Domain 1 Architecture: The Student Lifecycle



Domain 1 is not a scattered point system; it is a holistic audit of a faculty member's ability to drive a student from enrollment to successful employment.



The 'Red Flags' — Universal Rejection Conditions



Condition 1: Cross-Domain Duplication



Claiming the same guest lecture under D1.4.2 (Industry) and D3 (Leadership) will trigger rejection.

Condition 2: The 'Routine as Innovation' Fallacy



Claiming standard LMS uploads or regular PPT lectures as 'Innovative Teaching' (D1.1.6).

Condition 3: Phantom Mentoring



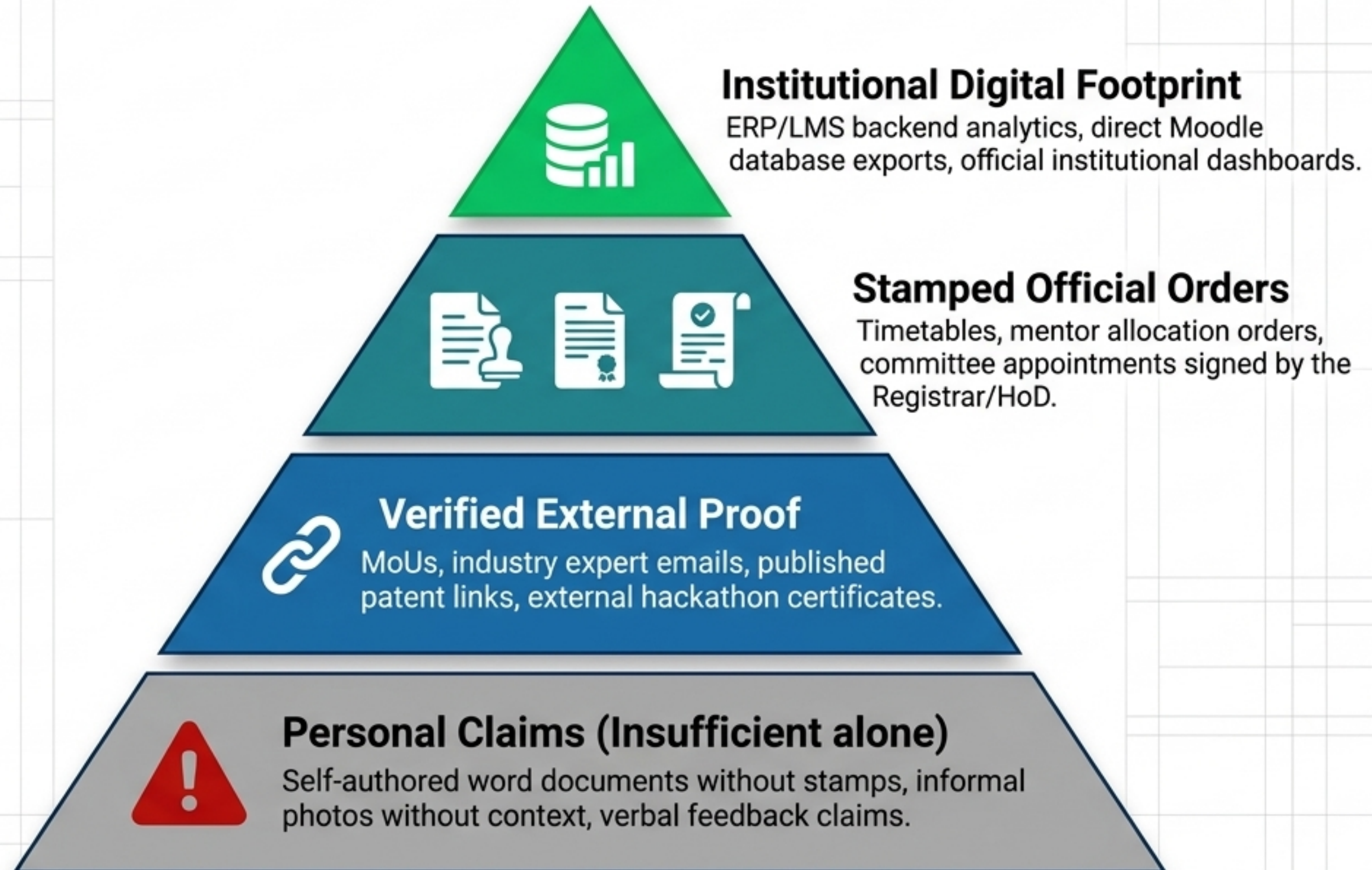
Claiming mentoring hours or wellbeing support without official ERP logs, timetables, or feedback documentation.

Condition 4: Student-Driven Success



Claiming internships or placements where the student self-arranged the opportunity without verifiable faculty coordination.

The Golden Standard of Evidence



Domain 1 Evaluator's Summary



D1.1 Delivery (150m)

Workload (10), LMS (20), OBE (20), ICT (20),
Andragogy (50), Innovation (30).



D1.2 Outcomes (100m)

Pass % (20), COs (20), Diversified (30),
Feedback (15), Achievements (15).



D1.3 Mentoring (50m)

Assigned (5), Logs (5), Career (10),
Internship (15), Wellbeing (10), Satisfaction (5).



D1.4 Employability (50m)

Skills (15), Industry (5), Placement (5),
Certs (10), Startups (15).

**Rigorous evidence. Verifiable outcomes. Transformational teaching.
Build your DRONĀ portfolio with precision.**