

TITLE PAGE

- **Problem Statement ID – SIH25029**
- **Problem Statement Title- Authenticity Validator for Academia**
- **Theme- Smart Education**
- **PS Category- Software**
- **Team ID-**
- **Team Name (Registered on portal) : CODEVISION**

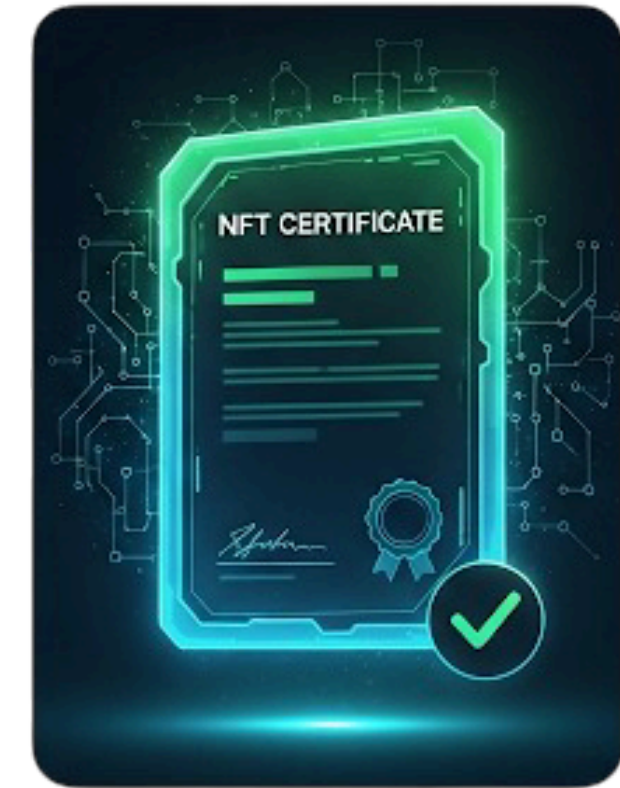
IDEA TITLE

Problem 🚨

- 60% employers face fake certificates
- Manual verification = slow, inconsistent
- No single trusted source for credentials

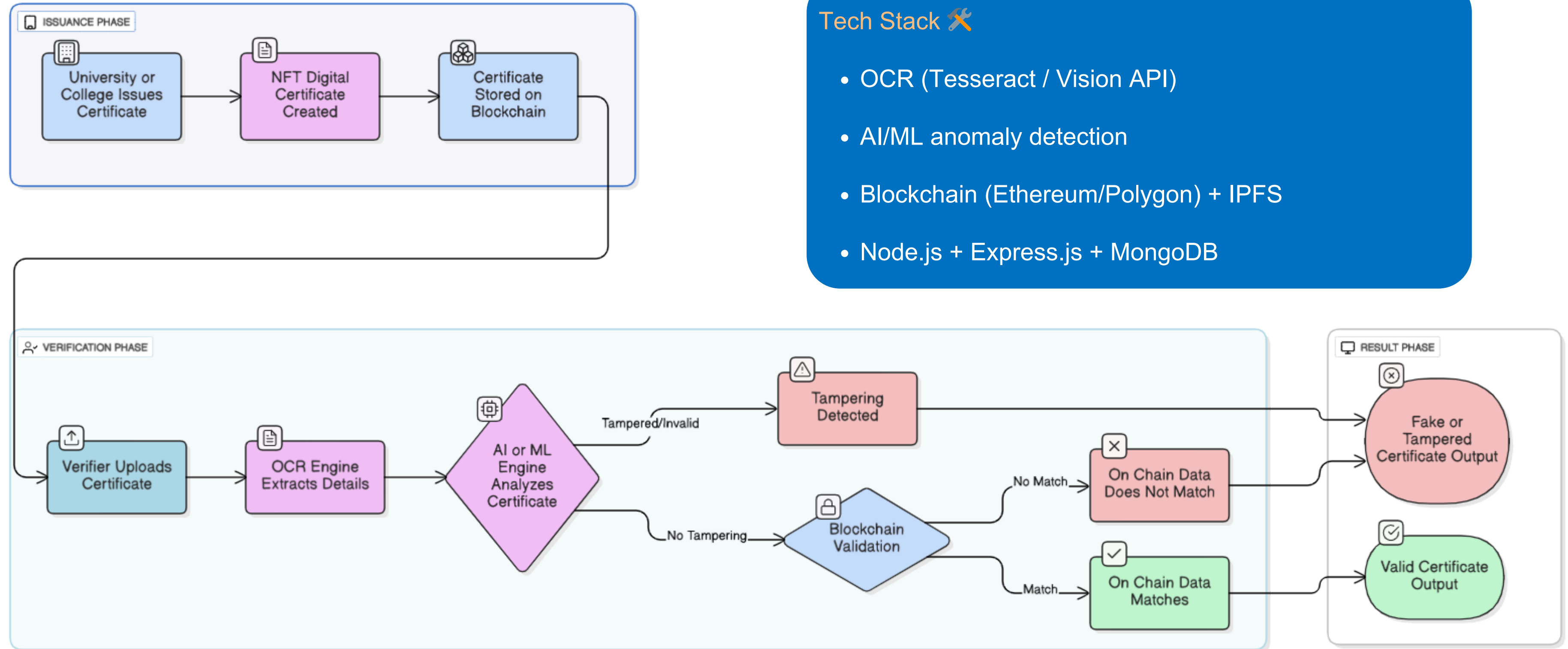
Solution 💡

- AI + OCR → detect tampering/forgery
- Blockchain → secure & immutable certificates
- Universal dashboard → quick verification



USP ✨

- Works for old + new certificates
- Instant, global verification in seconds
- User ownership & trust restored

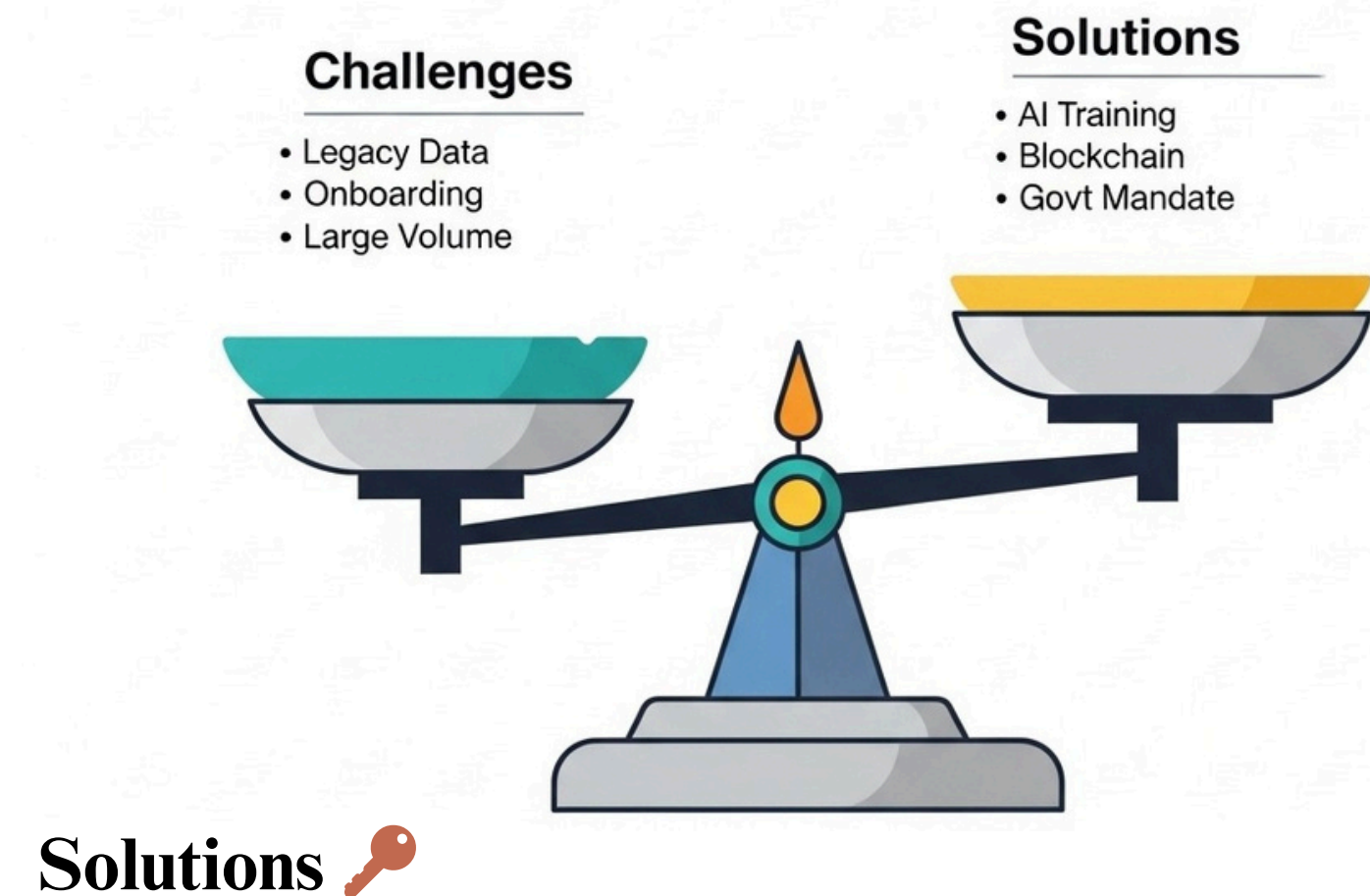


Feasibility ✓

- ERP + bulk upload integration
- AI handles multiple formats
- Blockchain ensures tamper-proof

Challenges ⚠

- Legacy Data Efficient Digitization
- Smooth Institution Wide Onboarding
- Large Volume Scalable Handling



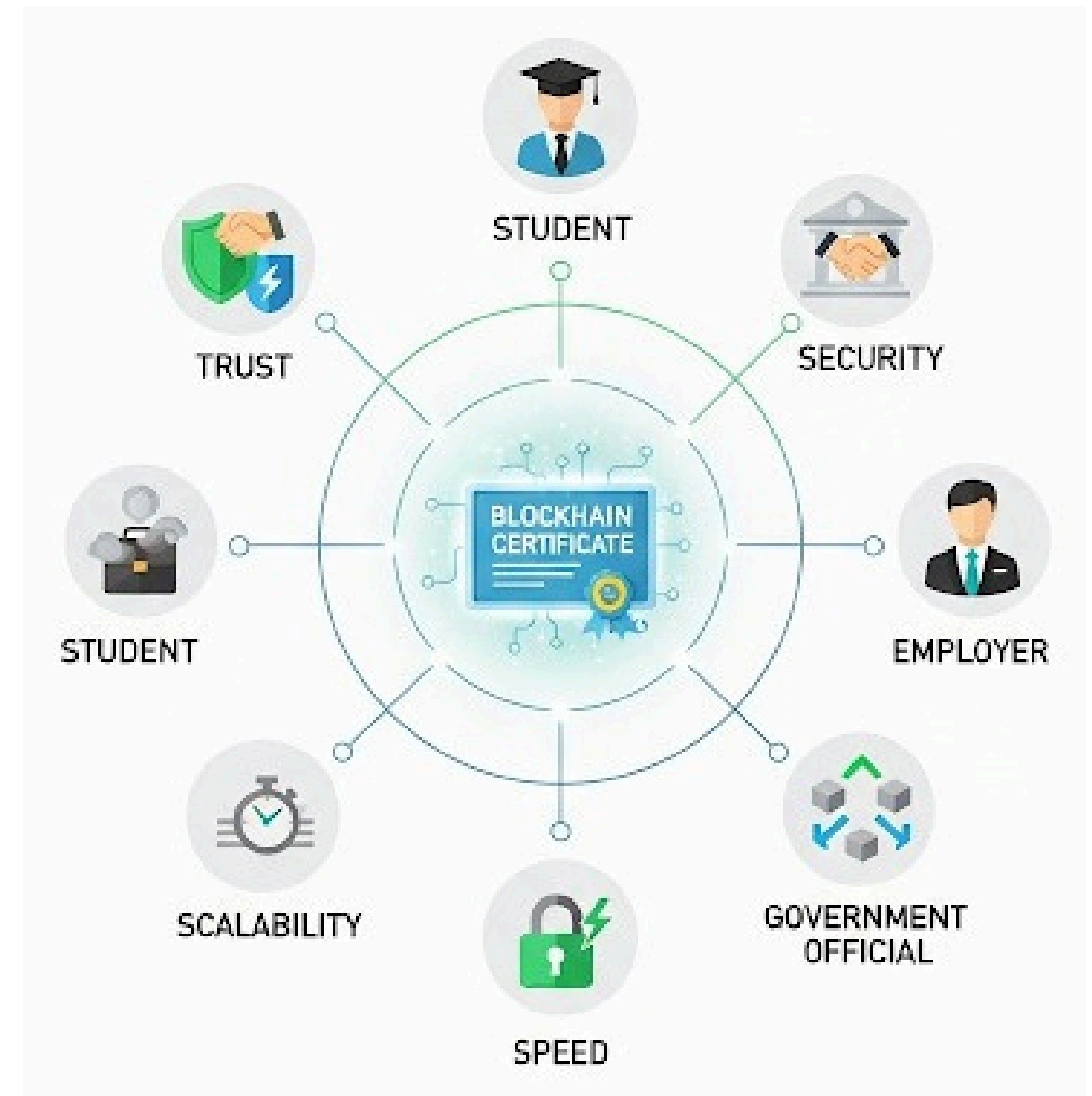
- Govt. mandate for data upload
- ML training on all university formats
- SaaS rollout (affordable, scalable)

Impact 🌍

- Restores academic integrity
- Safeguards student achievements
- Reduces fraud in jobs, admissions & schemes

Benefits 🚀

- ⌚ Verification in seconds
- 💰 Cost savings for HR & institutions
- 📄 Single source of truth
- 🛡️ Secure data privacy



Blockchain in Education – ScienceDirect

- Discusses benefits of blockchain for digital certificates – efficiency, cost saving, and fraud reduction.
- <https://doi.org/10.1016/j.compedu.2019.103706>

Systematic Review of Blockchain in Higher Education – MDPI

- Comprehensive study on blockchain initiatives for certificate management.
- <https://doi.org/10.3390/computers14040141>

National Academic Depository – Govt. of India

- India's official initiative for secure storage and verification of student records.
- <https://nad.gov.in>