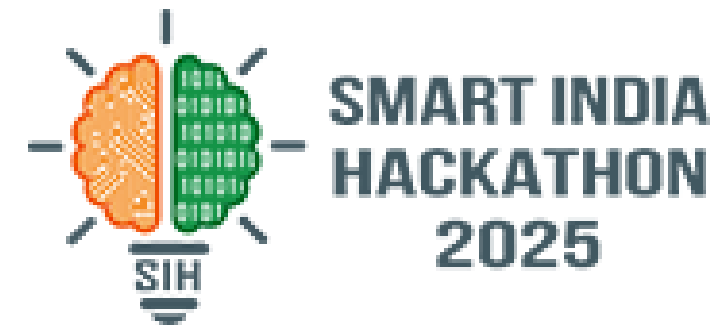
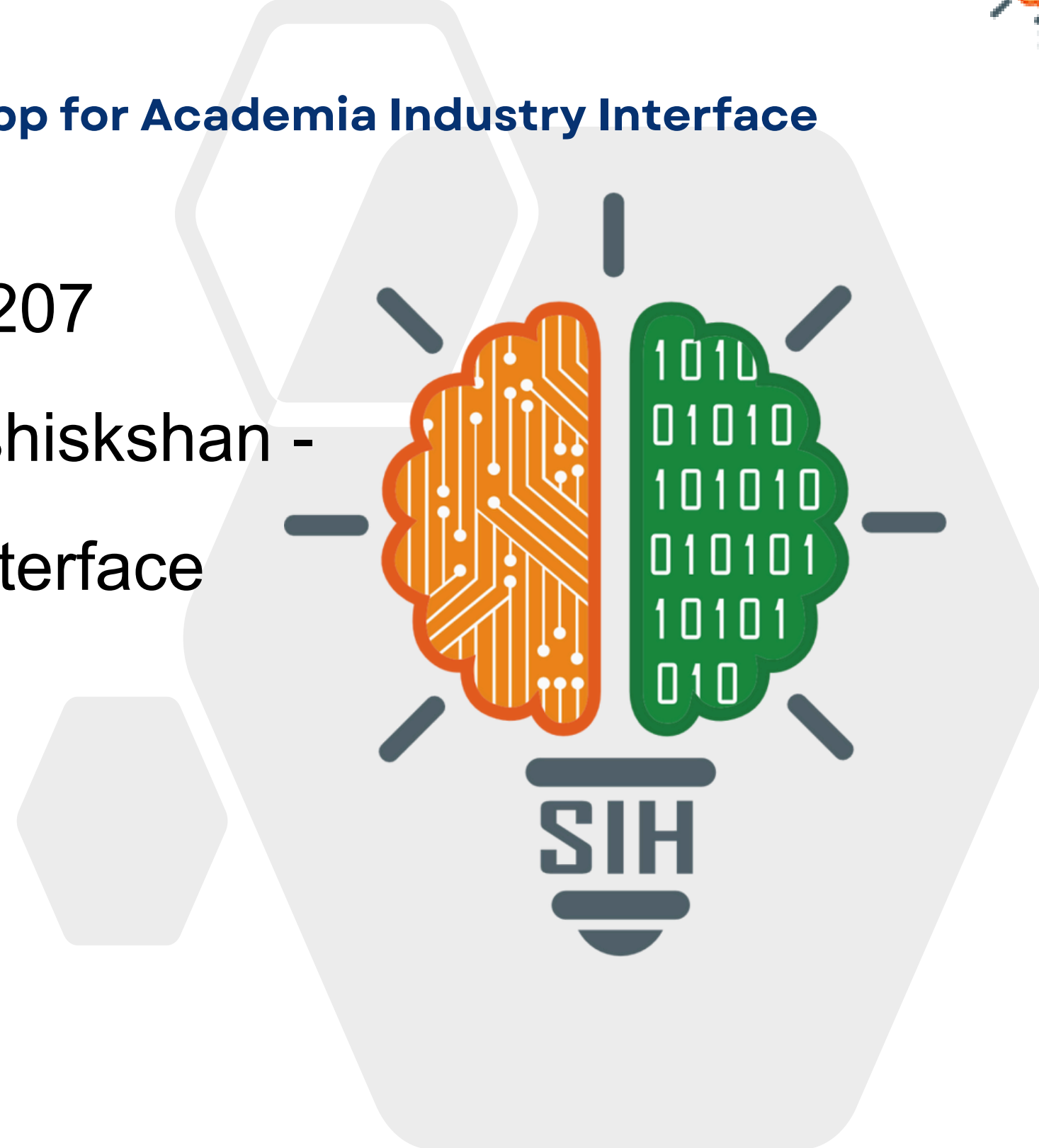


SMART INDIA HACKATHON 2025



Prashiskshan -An app for Academia Industry Interface

- **Problem Statement ID - SIH25207**
- **Problem Statement Title - Prashiskshan -**
An app for Academia Industry Interface
- **Theme - Smart Education**
- **PS Category - Software**
- **Team ID - 67789**
- **Team Name - TukTuk**



Prashiskshan

An app for Academia Industry Interface

Problem

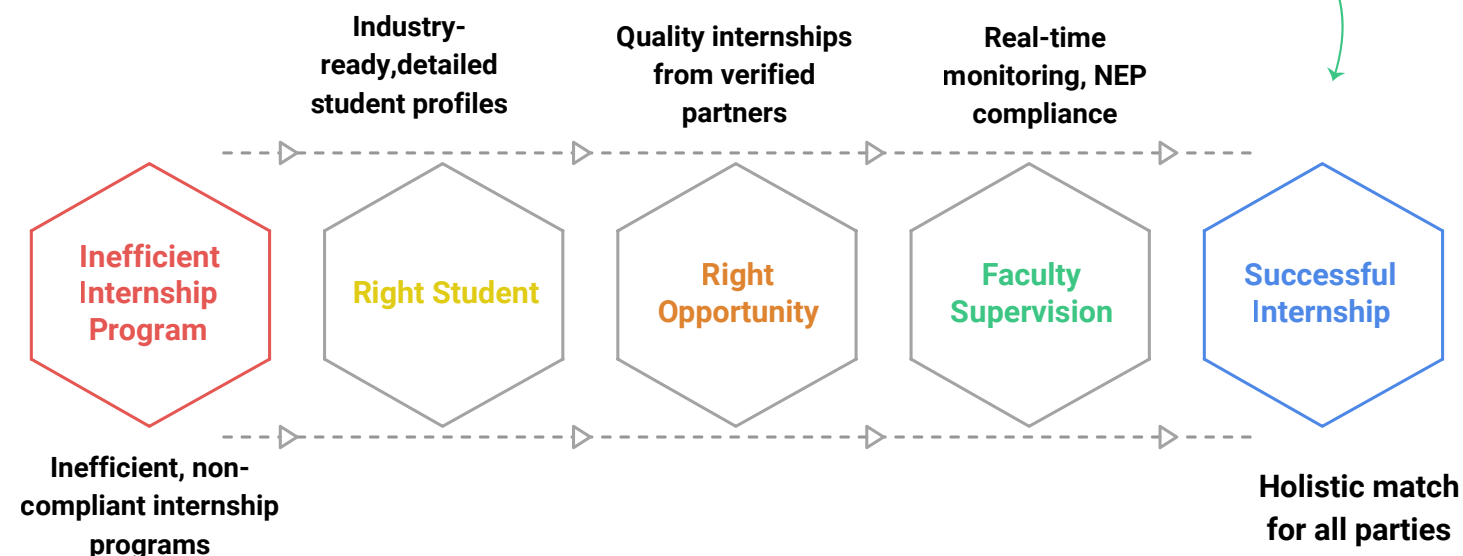
- Processing Delay: 2–4 weeks
- Mismatch: Non-technical roles for engineers
- Industry Gap: Limited opportunities
- No Monitoring: Faculty absent
- Rural Lag: No industry presence
- NEP Gap: No credit integration

Outcome

- Missed Opportunities
- Wasted Potential
- Fake Internships
- Fraudulent Certificates
- Urban–Rural Divide
- Lost Academic Credits

Proposed solution

Achieving Internship Success with Prashiskshan



HOW IT WORKS



Data Input

Students & Industry provide data → College facilitates outreach

Algorithm matches student skills to industry needs → Recommends internships

AI/Smart Processing



Human/Faculty Review

Faculty monitors progress, reviews logbooks, and finalizes matches

Internships are assigned, and app begins Real-time Monitoring

Internship Allocation



NEP-Compliant Internship and Stronger College-Industry Connect achieved



Result

Innovation and Uniqueness

Instant Matching

Student-Centered Internship Portal

Multi-Dimensional Matching

Industry Collaboration Module

Fairness Engine

Faculty & Admin Panel

Match Score Visibility

Skill Readiness & Learning Resources

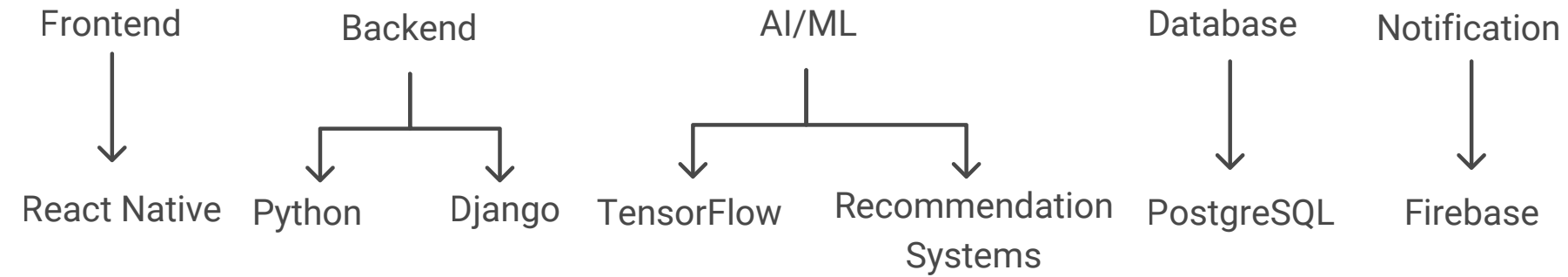
Credit Integration System

Links internships to academic credit for NEP compliance.

Automatic Logbook & Report Generator

Generates automated, fraud-proof reports for NEP credit evaluation.

Technology Stack



[Prototype Link](#)

IMPACT AND BENEFITS

Impact

FOR STUDENTS

- Verified, career-aligned internships
- Equal rural–urban opportunities
- Real-world skill development
- NEP-compliant credits & certificates

FOR COLLEGES / FACULTY

- Automated tracking & reporting
- Real-time dashboards for mentoring
- Stronger industry collaborations

FOR INDUSTRY PARTNERS

- Pre-vetted, skilled interns
- Faster, smarter hiring
- Supports CSR & rural outreach

FOR GOVERNMENT

- NEP 2020 compliance ensured
- Data-driven policy insights
- Transparent, fair allocation system

Key Benefits

Faster Processing

- **70% manual workload reduction**
- More placements in less time

Scalability & Reliability

- Cloud-based, modular system
- Handles thousands of users
- Secure & always online

Cost Savings

Reduced manual effort
→ **₹50+ Cr potential annual savings**

AI Matching Engine

- Real-time matching (**<100ms**) with **4-factor scoring**
- Transparent & explainable AI recommendations

Affirmative Action

- Geo-Affirmative matching for rural inclusion
- Built-in bias detection & quota compliance (SC/ST/OBC/EWS)

Multi-Portal Dashboards

- Unified platform for students, faculty & industry
- Real-time analytics, diversity tracking & performance reports

FEASIBILITY AND VIABILITY

Analysis of Feasibility

- Aligned with NEP 2020: Supports mandatory Semester 5 internships.
- Government Support: Proposed by J&K Higher Education Dept. → strong policy backing.
- Proven Tech Stack: Uses tested web & cloud tools → low technical risk.
- Scalable Design: Modular microservices for frontend, backend & AI → easy to scale.
- Structured Data: Standardized forms simplify data handling & AI matching.

Potential Challenges and Risks

- Cold-Start Problem: Limited initial data → inaccurate early matches.
- Rural Connectivity: Weak internet affects real-time access.
- Authenticity Evasion: Risk of fake reports/certificates.
- Administrative Inertia: Faculty reluctance to adopt digital workflow.
- Industry Buy-In: Tough to attract consistent industry participation.

Strategies for Overcoming Challenges

- Data: Onboarding surveys + content-based filtering for early matching.
- Connectivity: Lightweight/offline mode + SMS alerts for no-internet areas.
- Authenticity: Geo/time-stamped logbook entries + faculty audit system.
- Adoption: Faculty incentives (auto-reporting) + easy API for industries.
- Fairness: Geo-affirmative matching + Explainable AI for transparency.

RESEARCH AND REFERENCES

- Analyzed key issues in internship management under NEP 2020 — manual delays, poor monitoring, weak industry links, and fake certifications.
- Explored how AI-driven systems and real-time monitoring enhance transparency, credit evaluation, and inclusivity.
- Studied existing internship ecosystems, policies, and AI-matching frameworks in education and HR sectors.
- Insights shaped Prashiskshan — a centralized, NEP-compliant platform enabling fair, scalable, and data-driven internship management

Visited sites:

1. <https://www.weforum.org/publications/the-future-of-jobs-report-2023/>
2. AICTE Internship Policy 2021 – Guidelines for Internship/Training: <https://internship.aicte-india.org/>
3. RippleHire(2023). How AI Transforms Candidate Matching for Organizational Growth: <https://www.ripplehire.com/blog/how-ai-transforms-candidate-matching-for-organizational-growth>
4. <https://www.hoshihrms.com/hr-blogs/AI-hiring>
5. <https://arxiv.org/html/2407.13699v1>
6. Argano (2024). Navigating the Data Seas: Exploring AI's Influence on Data Matching and Linking. (<https://argano.com/insights/articles/navigating-the-data-seas-exploring-ais-influence-on-data-matching-and-linking.html>)