

COMPANY PROFILE · 2026

Eleven years building what other companies buy in.



Techvein is a Robotics and AI based group that designs its own operating systems, trains its own AI models, machines its own robots and runs its own vehicle fleets — so a school or a business gets one team behind the whole system, not a shelf of licensed parts stitched together.

"Technology in your veins" — the line on our homepage, and the way we actually build.



Robotics & AI

Labs, kits and our own AGV build



Trineetra

A coding platform for students



TATVA OS

Our own AI-native school OS



Software

Platforms & models we build for clients



Transport

A fully managed school fleet

100+
SCHOOLS RUNNING
TATVA OS

2.0L+
STUDENTS REACHED

121+
ROBOTICS LABS
INSTALLED

50+
FLEET VEHICLES
MANAGED

One workshop. Two very different clients.

Most schools end up running technology as five separate logins that don't speak to each other — an admissions tool here, a fee portal there, a WhatsApp group standing in for a communication system. Most businesses, meanwhile, don't struggle to find someone to write code; they struggle to find an engineering partner who is still answering the phone six months after launch.

Techvein exists to close both gaps with the same team. We are eleven-plus years into building enterprise software, generative AI, robotics and IoT for businesses, while separately designing, engineering and operating an AI-native campus operating system, a robotics curriculum and a managed transport fleet for schools — under one engineering standard, from one workshop in Jaipur.

FOR SCHOOLS & INSTITUTIONS

Techvein for Institutions

A campus operating system that replaces the patchwork — plus the robotics labs, teacher training and transport fleet that usually require three separate vendors, now handled by one.

- TatvaOS — the AI-native school OS
- Grade 1–12 robotics & AI labs
- Fully managed transport (TaaS)

FOR BUSINESSES & STARTUPS

Techvein for Business

Custom software, cloud and AI work, built by the same engineers who design and operate our own products — so the standards we hold ourselves to are the standards your project gets too.

- Software, SaaS & custom platforms
- Generative AI & automation
- Cloud, DevOps & cybersecurity

WHAT THAT LOOKS LIKE, END TO END

Three things we're actually doing, at any given time



Building

Software, apps, platforms and hardware — engineered, not assembled from templates.



Making it intelligent

Prediction, grading, anomaly detection and automation layered onto every platform we run.



Staying on the hook

Training, monitoring, support and iteration — the same team that built it, still running it.

11+

YEARS, ONE
ENGINEERING TEAM

2

OFFICES — JAIPUR &
KATIHAR

100+

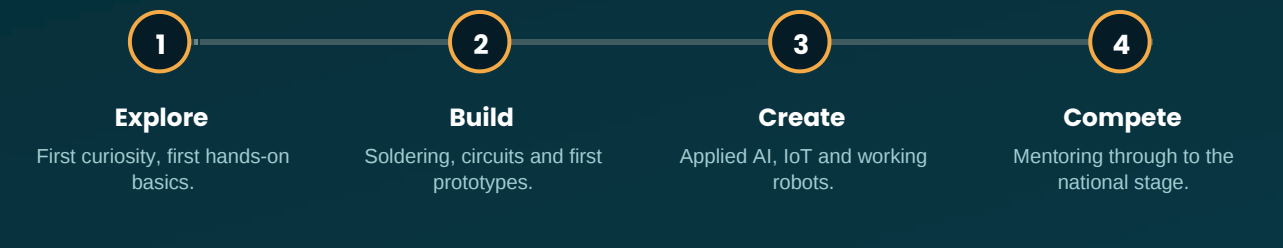
INSTITUTIONS TRUST
US

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RESOLD THIRD-PARTY
PRODUCTS

Where students build the future with their hands

NEP 2020, ATL grants and parents all push schools toward robotics and AI — but most hit the same wall: no infrastructure, no curriculum, no trained teachers. A box of kits sitting in a cupboard isn't a programme. Techvein delivers the whole thing — hardware, curriculum and teacher training that take a school from an empty room to a championship team.



A COMPLETE PROGRAMME, NOT A BOX OF PARTS

Grade-wise Kits
Age-appropriate hardware, Grade 1 to 12

Coding
Block-based through to Python, by level

IoT & Sensors
Microcontrollers and real connectivity

Computer Vision & AI
Applied AI, running on edge hardware

Structured Curriculum
Mapped to NEP 2020 and ATL guidelines

Competition Track
Mentoring toward WRO and national events

FLAGSHIP IN-HOUSE BUILD

The Techvein AGV

A research-grade delivery robot that drives itself through indoor spaces, sees through a four-camera April Tag vision system, and stops precisely at delivery points — the kind of build few K-12 robotics programmes attempt, designed and built entirely in-house.

<3cm
DRIFT OVER 5M, UNDER PAYLOAD

<5%
DEVIATION ON CIRCLE TESTS

90°
PRECISE TURNS, NO OVERSHOOT

PODIUM FINISHES

JISTECH 2K26

Invitaire, FIEM

InnovationYouth TeenTrailblazers

FIEM Inception '26

Exypnos, La Martiniere

Byte Battle, Future Foundation

Technoxian 10.0

Every result here was earned by students at a Techvein partner school. We supply the lab, the curriculum and the mentoring — how far a team goes from there is down to the team.

WHERE OUR STUDENTS COMPETE

121+
ROBOTICS LABS DELIVERED

10
PARTNER SCHOOLS HAVE ENTERED WRO

4
WRO NATIONAL-ROUND SELECTIONS

7
COMPETITION PODIUM FINISHES

From your first block to your first circuit board

Most school coding tools stop where the interesting part begins. A child masters drag-and-drop blocks in a term and then has nowhere to go; hardware kits sit in a cupboard because the software that came with them needs a technician; teachers can't tell who's stuck until they walk past; parents see a certificate and no evidence of the work behind it. Trineetra is a browser-based platform built against exactly those four failures — block coding through to Python and C++, ten simulated boards, and six languages, with nothing to install.



Code that grows with the child

Blocks at six, Python and C++ at sixteen — in one place, with no migration and no ceiling.



Hardware that actually works

Ten boards, dozens of sensors, one-click upload from the browser — no IDE, no drivers, no technician.



A classroom the teacher can see

Live progress and curriculum coverage mapped to NEP and CBSE, not just a certificate at the end.

92

LESSONS ACROSS 21
UNITS

111

HARDWARE BLOCKS,
9 DRAWERS

10

BOARDS SUPPORTED

6

LANGUAGES,
INTERFACE & BLOCKS

NINE STUDIOS, ONE PLATFORM

Stage — games & animation

Robot Studio

Circuit Bench

PCB Lab

Shapes (3D)

Data Lab

AI Studios

3D World

Companion app

ONE PLATFORM, FOUR AUDIENCES

Children at home

The full path from first block to real hardware, with progress parents can watch.

Students in school

Lessons matched to the syllabus, and work that follows them home.

School teachers

Ready-to-run lessons and a Copilot that flags who needs help — no coding background required.

Schools & institutions

Curriculum mapping, whole-school reporting and compatibility with kits already owned.

"Most school coding tools stop where the interesting part begins. Trineetra never runs out of ceiling."

HOW TO START

A free 15-day trial, unlocked and with no card needed — a Home plan for families at ₹199/month — and a School plan priced per student, shared at your demo.

TatvaOS — the operating system a campus didn't know it needed

Every school already owns some kind of ERP. The problem is what those systems actually do with the data they collect: mostly, they store it. TatvaOS was built on a different premise — that a report card, an attendance record or a fee ledger is only useful once something acts on it. So every one of its 50+ modules feeds a single AI layer that predicts, flags and assists, and 100+ schools now run their whole campus — academics, finance, HR, communication — through it.

LEGACY ERP	TATVAOS
Stores data	Turns data into action
Static reports	Predictive analytics
Manual grading	AI report-card engine
Limited hardware	RFID, facial & AI cameras
Reacts late	Flags risks early

"In practice: Aarav Sharma's Class 8 science paper is graded question-by-question, annotated with what to revise, and sitting at 73% — ready for his teacher to approve, not re-mark from scratch."

50+ MODULES, ORGANIZED INTO NINE CONNECTED SUITES

Academics Timetable, lesson planning, homework & LMS	Admissions & Records Enquiry, records, certificates, ID cards	Attendance RFID / biometric / facial, anomaly alerts
Exams & AI Report Cards Scheduling, AI grading, result analytics	Fees & Accounts Online payment, reminders, default prediction	Payroll & HR Salary slips, leave, appraisal, compliance
Communication Parent / teacher apps, SMS · WhatsApp · email	Transport & Safety GPS routes, RFID boarding, CCTV, alerts	Operations Library, hostel, inventory, front office

50+
INTEGRATED MODULES

100+
SCHOOLS LIVE ON TATVAOS

4
STAKEHOLDER APPS — MGMT, TEACHER, PARENT, ADMIN

TRANSPORT-AS-A-SERVICE

School transport, fully managed

Owning a fleet is expensive, risky, and off-mission. Buying buses, hiring drivers, keeping up with maintenance and compliance, and fielding anxious parent calls all pull a school away from teaching. TaaS turns the whole problem into one predictable subscription, with safety built in from the start — Techvein supplies the vehicles, the verified drivers, and the live tracking, and a parent gets the same visibility a school administrator does.

SAFETY AND VISIBILITY, END TO END



Live GPS Tracking

Every vehicle, on every route, visible in real time.



CCTV Monitored

In-vehicle cameras for ongoing safety and oversight.



RFID Boarding

Automatic confirmation the moment a child boards or leaves.



Parent App

Live location, ETA and alerts, right on a parent's phone.



Smart Alerts

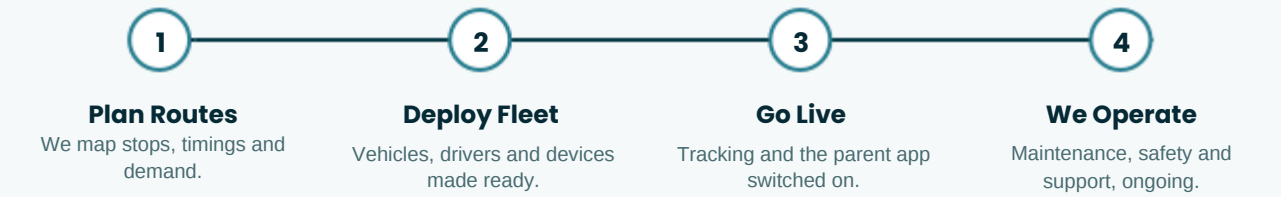
Pickup, drop-off and delay notifications, sent automatically.



Verified Drivers

Background-checked, trained, and monitored on every route.

LIVE IN WEEKS, MANAGED FOR GOOD



Every rollout ends the same way: a live dashboard for the school, and a phone in every parent's pocket.

ALSO FROM OUR LABS

Composite Skill Lab — one modular lab covering AI, robotics, IoT and 3D printing · **Techvein Monitor** — live enterprise workforce intelligence · **Reporting App** — GPS field visits, expenses and offline tracking

50+
VEHICLES IN THE MANAGED FLEET

24×7
SUPPORT, ONGOING

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BUSES THE SCHOOL HAS TO BUY

Life inside the lab

From first spark to the world stage : A glimpse of the Techvein Robotics & AI journey — curiosity, building, creating and competing.

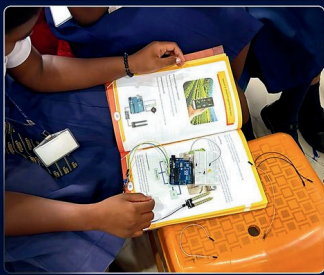


STAGE01 Hands-On Basics

BUILD



CREATIVITY



INNOVATION



STAGE03 Smart Innovations

Three projects, one standard

EDUCATION

Robotics labs in 100 schools

A full rollout of hardware, curriculum and teacher certification, delivered inside one academic year across 100 partner schools.

TAAS PLATFORM

A 50-vehicle managed fleet

Transport-as-a-Service built around a custom live-tracking parent app, running across the full fleet today.

IT SERVICES

SaaS platform for a startup

Design, engineering and cloud deployment carried end to end by one Techvein team, not handed between vendors.

LET'S BUILD SOMETHING TOGETHER

Book a demo, or scope a project with our team.

Book an EdTech or transport demo for your institution, or bring us a custom software brief — either way, you're talking to the engineers who'll actually do the work, from the first architecture conversation onward.



11+

YEARS, ONE ENGINEERING
STANDARD

100+

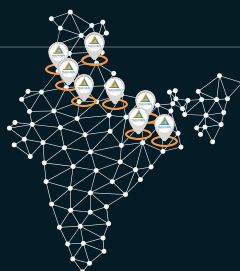
INSTITUTIONS ON OUR SYSTEMS

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THIRD-PARTY PRODUCTS RESOLD

OFFICES

**11+ STATES WE WORK IN /
PAN INDIA DELIVERY
TEAMS**



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