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AI-Powered Innovation for a Smarter Future

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WE MAKES LIFE
EASIER

tejasaitch.com

Crafting scalable, AI-driven solutions, advanced AI, data science, and custom software development solutions to empower your business across industries.

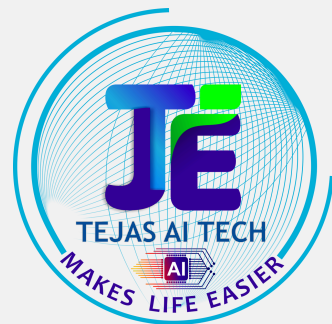
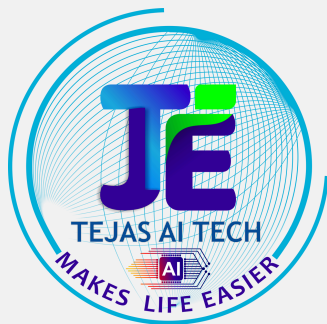
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Building Smart, Scalable Software for the Future

236+

CLIENTS



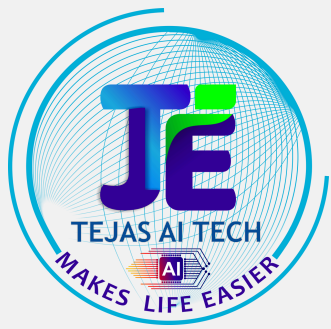
At **TEJAS AI TECH**, we transform business ideas into smart, scalable, and high-performance software solutions. Our expert team works across industries to deliver-

- ⚙️ Custom Software Development
- 🧠 AI & Machine Learning Models
- 📈 Algorithmic Trading Systems
- 🌐 Web & Mobile Applications
- 🛒 E-commerce Platforms

With 377+ successful projects across 5+ industries, we combine innovation with engineering excellence to help businesses gain a competitive edge.



We don't just write code — we solve real-world problems with scalable, and secure technology.

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Guided by Purpose. **Engineered for Impact.**

377+

PROJECTS

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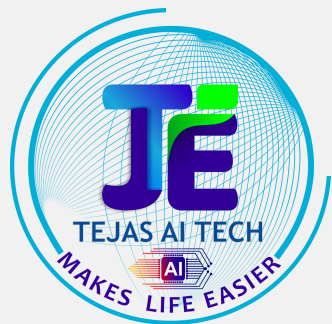
Our Mission

To empower businesses of all sizes by delivering intelligent, scalable, and purpose-driven technology solutions that solve real-world challenges.

Our Vision

To be a trusted global technology partner known for innovation, engineering excellence, and long-lasting client relationships.



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As the driving force behind
TEJAS AI TECH, his mission
is simple yet powerful:

*TO MAKE LIFE EASIER THROUGH INTELLIGENT,
PURPOSEFUL TECHNOLOGY.*

With a background in Artificial Intelligence, Data Science, and Software Engineering, Tejas Navalkhe brings a unique blend of technical depth and entrepreneurial vision. He has over 4 years of experience building custom software, AI solutions, and algorithmic trading systems for clients across industries.

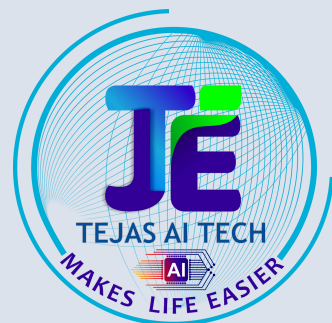
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TEJAS SATISH NAVALKHE

FOUNDER, TEJAS AI TECH

MSC DATA SCIENCE (WITH ARTIFICIAL INTELLIGENCE)

NEWCASTLE UNIVERSITY, UNITED KINGDOM

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What We Offer

At **TEJAS AI TECH**, we build custom, future-ready technology solutions tailored to your business needs:

Custom Software Development

FROM ERP SYSTEMS TO BESPOKE PLATFORMS — BUILT FROM SCRATCH, JUST FOR YOU.

AI & Machine Learning Solutions

PREDICTIVE MODELS, AUTOMATION, NLP, RECOMMENDATION SYSTEMS, AND MORE

Algorithmic Trading Systems

HIGH-PERFORMANCE TRADING PLATFORMS, BACKTESTING ENGINES, AND DATA PIPELINES.

Web & Mobile App Development

RESPONSIVE, FAST, AND SCALABLE APPLICATIONS WITH SEAMLESS UX.

E-commerce Development

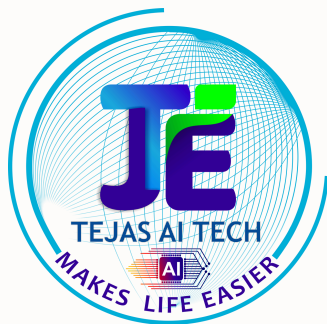
TAILORED PLATFORMS FOR PRODUCT CATALOGUES, PAYMENTS, LOGISTICS & GROWTH.

API Integration & Automation

CONNECT SYSTEMS, AUTOMATE WORKFLOWS & ACCELERATE OPERATIONS.

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AND MANY MORE...

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INDUSTRIES WE SERVE

DRIVING INNOVATION ACROSS SECTORS



**Agritech &
FoodTech**

Smart Farm &
Pricing Systems



**Automotive &
Mobility**

Fleet Dashboards
& Predictive



**Capital Markets
& Trading**

Algo Platforms
& Analytics



EdTech

AI LMS &
Adaptive Tools



**Legal &
Compliance**

NLP Docs &
Case Automation



**Logistics &
Supply Chain**

Real-time Tracking
& Pricing



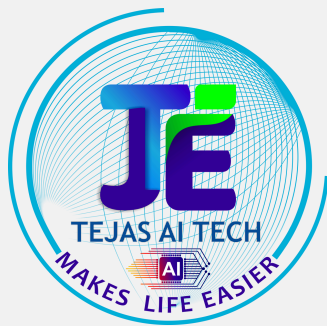
**Pharma &
Life Sciences**

Trial Automation
& Clinical Data



Real Estate

CRM, Virtual
Tours & Lead
Systems

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Why Choose Us?

At **TEJAS AI TECH**, we are committed to delivering technology solutions that are not only innovative but also tailored to meet the unique needs of each client. Here's why businesses choose to partner with us:

01 Client-Centric Approach

We prioritise understanding your business objectives to deliver solutions that align with your goals and drive success.

02 Engineering Excellence

Our team upholds the highest standards in software architecture, security, and performance, ensuring robust and reliable solutions.

03 Purpose-Driven Innovation

We leverage cutting-edge technologies to solve real-world problems, ensuring your business stays ahead in a competitive landscape.

04 Trust & Integrity

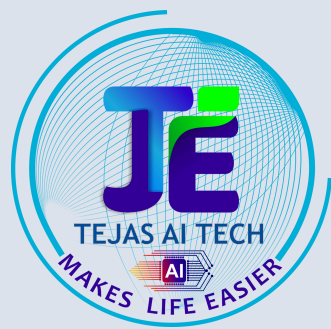
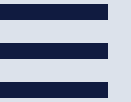
Building long-term relationships based on transparency, confidentiality, and ethical practices is at the core of our operations.

05 Proven Track Record

With over 377 successful custom projects across more than 5 industries, our experience speaks to our capability and commitment.

06 End-to-End Support

From initial consultation to post-deployment maintenance, we provide comprehensive support to ensure your solution evolves with your business.

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Our Process

AT **TEJAS AI TECH**, WE FOLLOW A STRUCTURED APPROACH TO TRANSFORM YOUR IDEAS INTO SCALABLE, HIGH-PERFORMANCE SOLUTIONS:

01 Discovery & Consultation

We begin by understanding your business goals, target users, and technical requirements through detailed discussions.

02 Planning & Proposal

Based on your needs, we define the scope, timeline, and budget — also provide a clear, customised proposal for approval.

03 Design & Architecture

We create workflows, wireframes, and system architecture to align the product vision with technical feasibility.

04 Development

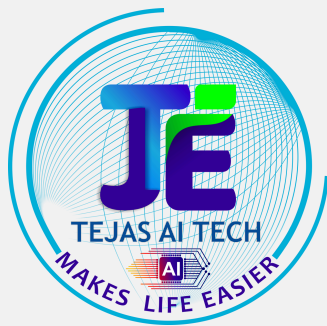
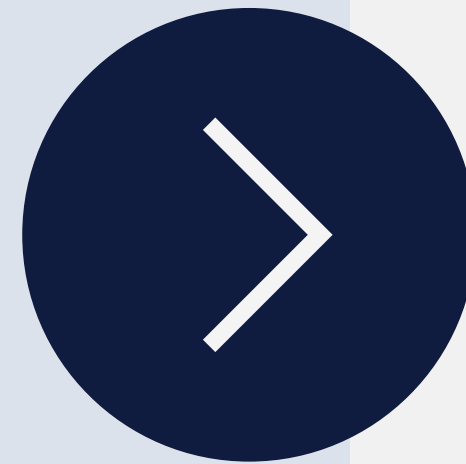
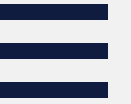
Our team brings your project to life with clean, scalable code and frequent updates. You're part of the process at every milestone.

05 Testing & QA

We perform thorough functional, integration, and security testing to ensure a flawless user experience.

06 Launch & Ongoing Support

We deploy your solution and provide continuous maintenance to keep it secure, fast, and up-to-date.

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Co-Wheels Car Club (UK)

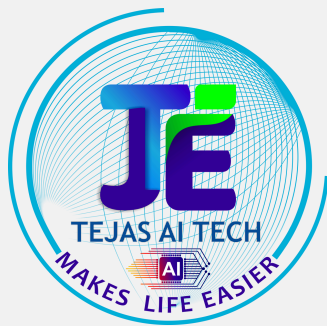
Dynamic Pricing

THE FOLLOWING OUTLINES THE CORE PROBLEM WE AIMED TO SOLVE:

Co Wheels Car Club, one of only **three national car-sharing operators in the UK**, was operating with a **static, fixed pricing model** across all its locations. This approach limited its ability to maximise revenue and adapt to fluctuations in demand across different regions and times. In a competitive landscape with tight margins and growing pressure from traditional rental services, Co Wheels needed a **data-driven dynamic pricing strategy** to optimise utilisation and improve profitability on a regional and temporal basis.

Mobility



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AI Solution

Optimising Car Sharing Profitability with a Regional Pricing Strategy

Pricing Simulation Tool

Location:

Newcastle

Hour of the Day:

12

Get Rates and Revenue Comparison

Peak Hours: 9,12,13,14,16,17

Predicted Rates

The rates are determined by the specific hour of the day and the demand at various locations.

Vehicle	Current Per Hour	Current Per Day	Adjusted Per Hour	Adjusted Per Day
City	£5.50	£44.00	£6.13	£42.82
Everyday	£6.80	£52.00	£7.68	£61.40
Family	£7.50	£59.20	£9.55	£76.37
Van	£9.00	£68.00	£9.93	£79.46

Revenue Comparison

The revenue generated over the last one month is used for calculation and comparison purposes. The hourly and daily rates in this comparison have varied over the past one month.

Vehicle	Current Revenues	Adjusted Revenues	Extra Revenue
City	£1657.67	£1740.39	£82.72
Everyday	£8228.35	£9624.38	£1396.03
Family	£6569.29	£8390.34	£1821.05
Van	£1154.91	£1257.95	£103.04
Total	£17610.22	£21013.06	£3402.84

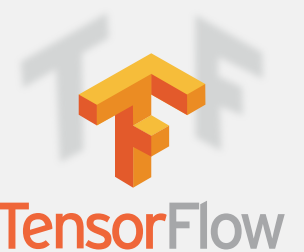
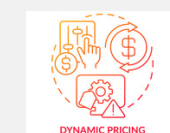


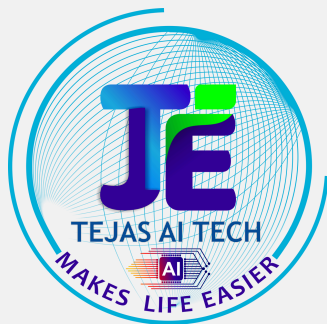
To address the static pricing challenge, I developed a **Dynamic Pricing Tool** tailored for Co Wheels' operational data and business context.

The tool:

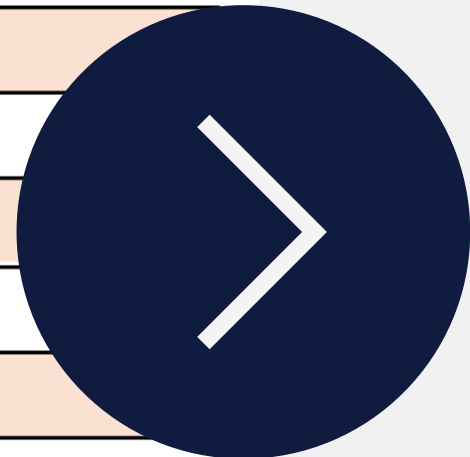
- Analysed **historical trip data** (2019 onward) from **over 30,000 members**.
- Detected **usage patterns** based on **vehicle type, location, and time-of-day**.
- Predicted **peak demand windows** using machine learning techniques.
- Recommended **dynamic pricing rates** aligned with demand levels.
- Integrated with the company's **live booking system** to generate **real-time pricing outputs**.
- Provided a dashboard for **scenario testing and impact simulation**.

Technologies Used



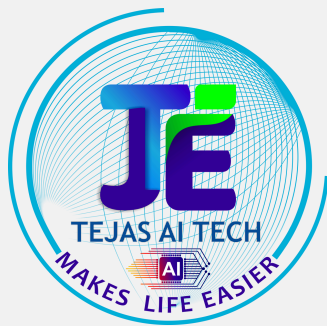
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Vehicle Type	Time Period	Model	Mean Absolute Error	Root Mean Squared Error
City	Hourly	Artificial Neural Networks	0.35853	0.51447
	Daily		6.22280	7.56040
Everyday	Hourly	XGBRegressor	0.64146	0.83981
	Daily		2.92157	3.53526
Family	Hourly	XGBRegressor	0.42164	0.55623
	Daily	DecisionTreeRegressor	0.00046	0.02727
Van	Hourly	XGBRegressor	0.76837	1.19642
	Daily		3.10934	4.3839
7-Seater	Hourly	Artificial Neural Networks	0.69682	0.71469
	Daily		2.75597	3.07452

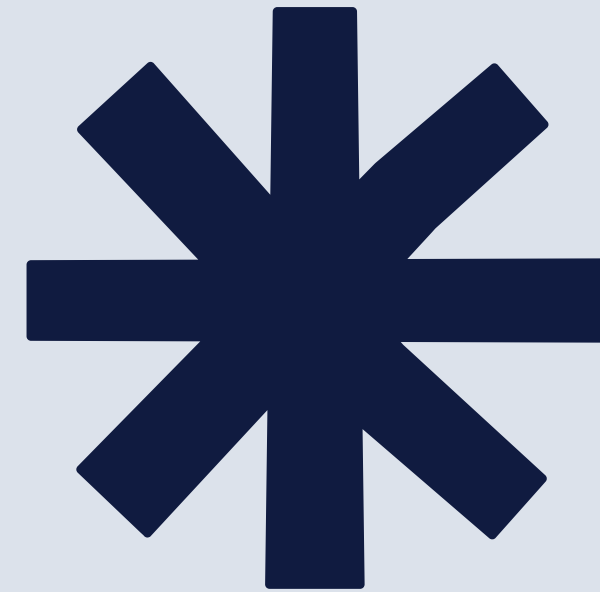


Outcomes

- Enabled Co Wheels to analyse **live bookings** instead of relying on static reports.
- Provided insights into **peak usage times and under-utilised slots**.
- Helped build a **data-backed business case** for implementing dynamic pricing.
- Revealed potential for **revenue increase of 19.32%** through optimised regional pricing
- Empowered decision-makers with an **interactive, predictive tool** for pricing strategy.

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Finvestox Capital: Algorithmic Trading System



THE FOLLOWING OUTLINES THE CORE PROBLEM WE AIMED TO SOLVE:

Finvestox Capital aimed to transition from manual trading strategies to a robust, **automated system** to:

- Increase **trading speed and efficiency**.
- Reduce **human error** and emotional decision-making.
- Execute trades based on technical indicators and **risk management rules**.

Capital Market



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AI Solution



Developed a **fully automated algorithmic trading platform** that:

- Executes trades on live market data using technical indicators like RSI, MACD, EMA
- Includes real-time stop-loss and take-profit mechanisms
- Provides strategy backtesting using historical data
- Features automated position sizing based on capital and risk parameters
- Logs and sends email alerts of every trade, entry/exit reason, and profit/loss

Outcomes

- Achieved **75% reduction in manual errors** and **20% increase in trading consistency.**
- Saved approximately 3 hours per day through automation
- Enabled rapid testing of multiple strategies, improving adaptability to market changes
- System continues to operate with 99.7% uptime during market hours

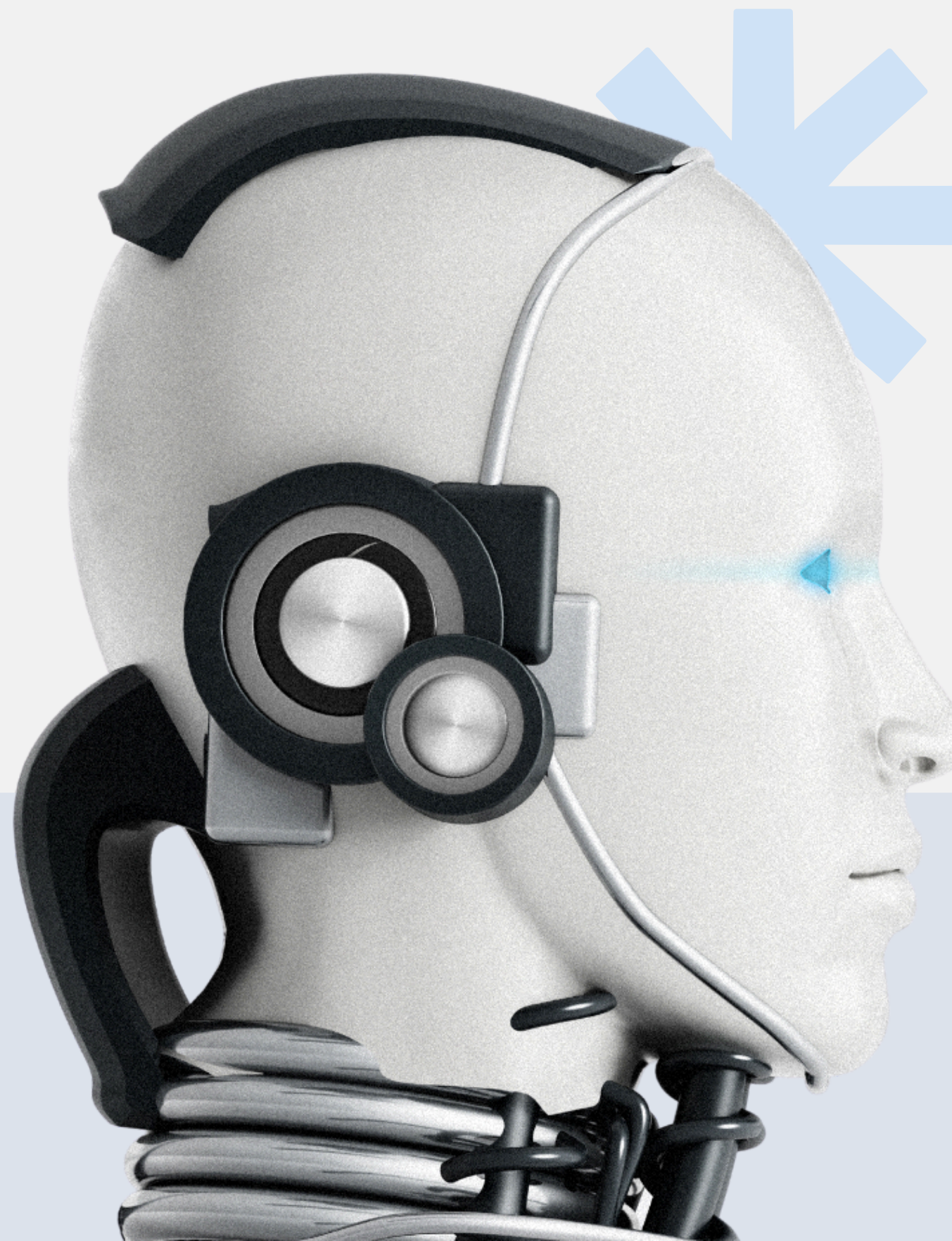
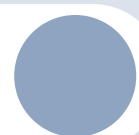
Technologies Used



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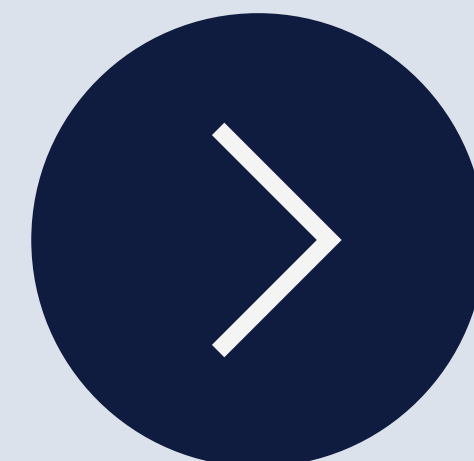
AI-Based Face Recognition Attendance System

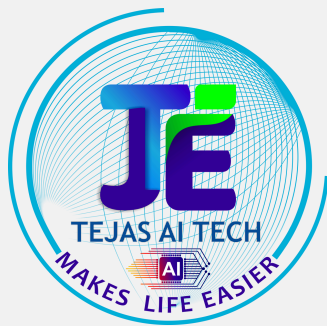
EdTech / Corporate



Educational institutes and training centres faced the following challenges:

- Manual attendance taking was **slow, error-prone, and easy to manipulate.**
- High chances of **proxy attendance.**
- Lack of **real-time tracking** and **parent notifications.**
- Need for a system that could scale without increasing admin overhead



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AI Solution

AI-Based Face Recognition Attendance System

ATTENDANCE

[Dashboard](#)[Students](#)[Classes](#)[Reports](#)[Settings](#)

Dashboard

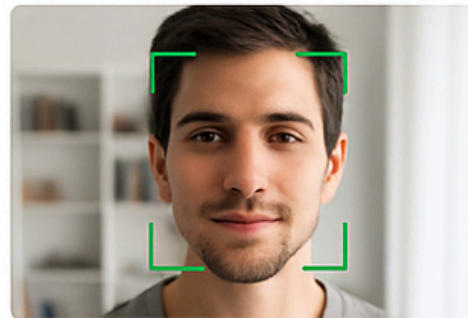
Total Students

300

Present Today

270

Face Recognition Check-In



Mark Attendance

Attendance Report



Today's Summary

Present

90%

Absent

10%

Late

5%

Attendance Report

Date	Student Name	Status	Class
Apr 27	John Smith	Present	Class A
Apr 29	Estate Jehngon	Absent	Class A
Apr 28	Offick Breen	Present	Class A
Apr 10	Ohren Brown	Present	Class A
Apr 18	Lenson Kanus	Present	Class A
Apr 18	Aegeric Smith	Absent	Class A

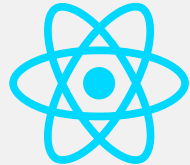
We developed a **face recognition-based attendance system** that:

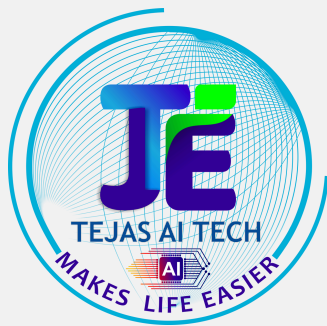
- Uses **live webcam or mobile camera** to detect and verify faces during check-in.
- Automatically marks attendance upon facial match with stored data.
- Supports **admin panel** for managing students, classes, schedules, and reports.
- Generates **attendance logs, analytics, and visual reports**.
- Sends **email alerts** for absenteeism or irregular patterns

Outcomes

- **Eliminated proxy attendance completely.**
- **Reduced attendance-taking time by 85%.**
- Improved accuracy and compliance across multiple classrooms.
- Enabled **scaling to 500+ students** with low-latency face detection.
- Enhanced trust among parents and transparency for management.

Technologies Used



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Testimonial

TEJAS DELIVERED AN INVALUABLE TOOL THAT HELPED US ANALYSE LIVE BOOKING DATA AND BUILD A STRONG CASE FOR DYNAMIC PRICING.

- RICHARD FALCONER,
HEAD OF MOBILITY



THIS SYSTEM HAS GIVEN US THE CONFIDENCE TO SCALE OUR TRADING OPERATIONS. EXECUTION IS FAST, RELIABLE, AND INTELLIGENT. IT'S NOW A CORE PART OF OUR TRADING DESK.

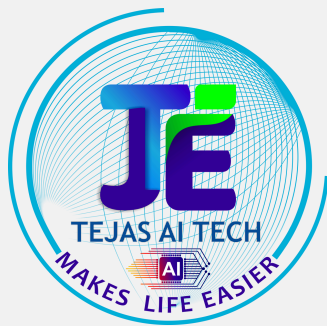
— PARTNER,
FINVESTOX CAPITAL



TEJAS AI TECH'S FACE RECOGNITION SYSTEM CUT OUR ATTENDANCE TIME FROM 20 MINUTES TO SECONDS. IT'S ACCURATE, TRANSPARENT, AND A HUGE TIME-SAVER FOR BOTH STAFF AND PARENTS.

- MR. ANIKET,
ACADEMIC COORDINATOR



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Embracing AI for Business Growth

Artificial Intelligence is not a distant future—it's the competitive edge of today. Companies that embrace AI thoughtfully and strategically are setting themselves up for sustainable growth, innovation, and leadership in the market.

www.tejasaitech.com

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sales@tejasaitech.com