GYANNETRA PVT. LTD. — CEO'S OFFICE

PragatiVeer v2
Production QA Report

Complete detailed website testing with demo credentials — every page, every core flow, evidence-backed

Report ID	PV-QA-2026-0917-01
Environment	PRODUCTION — pragativeer.com (srv1289857 · 31.97.236.232)
Test Account	Demo student account (Rahul — AI Coach plan, JEE target)
Method	Automated browser testing · DOM-level verification · full-page screenshots at 1600×839
Test Date	September 17, 2026
Prepared by	Maya — CEO's Office
For	Kapil Panwar, CEO

2 SHIP-BLOCKERS **3 HIGH** **5 MEDIUM / LOW**

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1 · Executive Summary

A complete, detailed QA pass of the PragatiVeer v2 production website was executed on **September 17, 2026** using the demo student account. Every dashboard page (all 15 routes), the full CBT exam lifecycle, theme switching, and the demo user switcher were tested. Evidence was captured via full-page screenshots and DOM-level verification (computed styles, network logs, backend log correlation on the production server).

15	1	2	3
Pages Tested	Full CBT Attempt	Ship-Blockers	High Severity

Overall verdict: The core exam engine is solid — a complete 90-question bilingual CBT was attempted end-to-end and submitted successfully, with result rendering, solutions with answer keys, question palette, mark-for-review, pause/resume, and timer all working correctly. However, **two ship-blockers must be fixed before any student-facing push:** (1) the streak celebration modal that washes out the entire dashboard on every login, and (2) the exam calculator breaking permanently after a single invalid operation. Additionally, switching demo users in the header dropdown bricks the entire dashboard until logout (backend 404 on a non-existent user ID).

> **Recommended fix order:** Ship-blockers 1–2 first (streak modal, calculator), then the user-switcher 404, then the AI Tutor placeholder (revenue-relevant), then the demo-label leak and negative-score styling. All are frontend or small backend fixes; estimated combined effort 3–5 dev-days.

2 · Test Scope & Method

2.1 Pages Tested (all at desktop 1600px width)

Area	Routes / Flows covered
Authentication	Login (demo credentials), session persistence, re-login after session break
Dashboard core	Performance Overview (stat cards, streak, target pill), Adaptive Study Plan, Mistake Heatmap, Today's DPPs, Upcoming CBTs, streak celebration overlay
Pro Tier pages	Quick Notes & Study Materials, Performance Analytics (trajectory + AI diagnosis), Doubt Forum, Streaks page, Account Settings
AI Coach suite	AI Tutor, PrepPilot (DPP), Exam Readiness, College Predictor, Exam Strategy, AI Study Plan, Time Optimization, Mistake Heatmap, Weekly Progress, Mistake Analyzer — all 10 pages
CBT module	List page, exam instructions page, full exam UI (90 questions, bilingual EN/हिंदी), option selection, Save & Next, Mark for Review, Clear, question palette navigation, Pause/Resume, Submit + confirmation, Result page, Solutions with answer key
Cross-cutting	Dark mode toggle + persistence, demo user switcher (Rahul → Priya), leaderboard, syllabus tracker

2.2 Method

- **Screenshots:** Full-page captures of every page at 1600×839 desktop viewport (51 evidence images retained).
- **DOM verification:** Computed styles (e.g., danger-color coding on failing scores), element overlap detection (calculator modal overlay), React state checks — used wherever a screenshot alone couldn't prove a finding.
- **Backend correlation:** Production backend docker logs queried over SSH to confirm the user-switcher failure is a real 404 against `/api/users/22222222-…`, and that the Priya/Neah demo GUIDs don't exist in the `user` table.
- **Honesty rule applied:** Two earlier suspected "layout clipping" findings were retracted after DOM proof that the original screenshots were viewport-crop artifacts (true viewport 1920px, zero horizontal overflow). They are listed in §7 so the record is clean.

3 · Detailed Findings

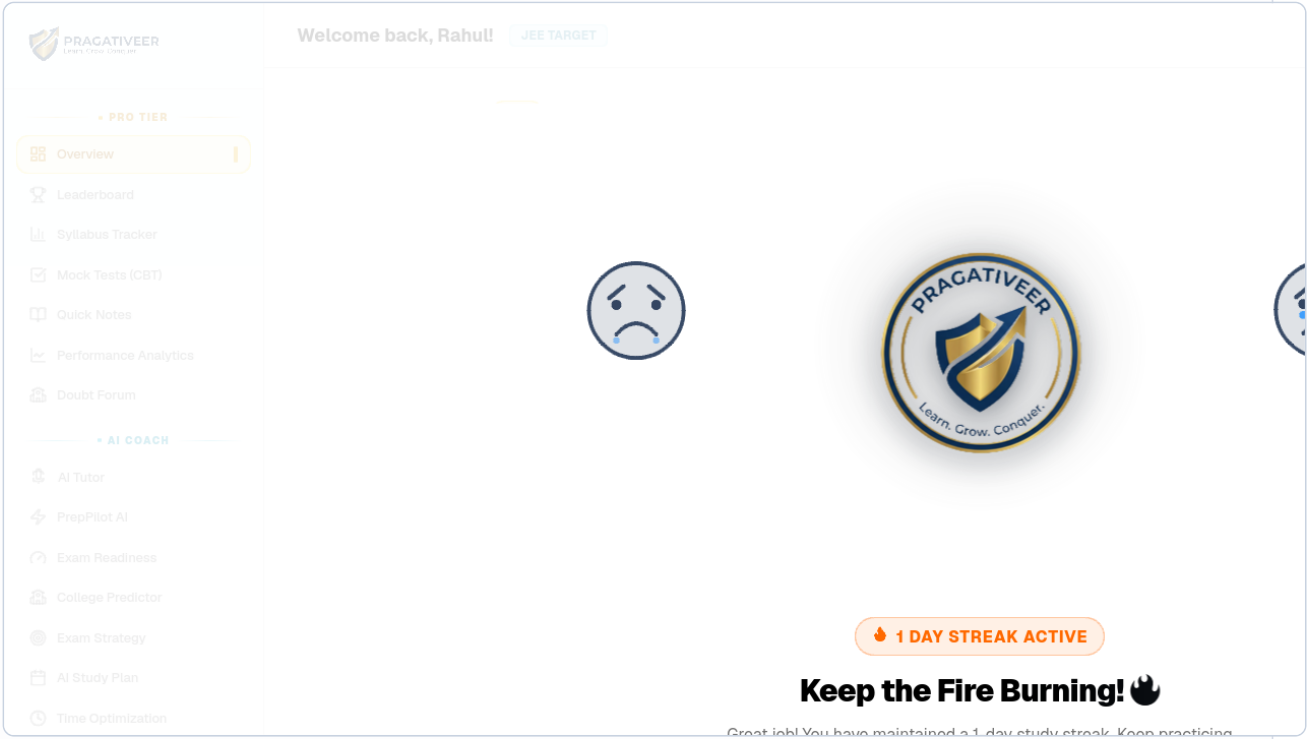
BUG-01 · Streak celebration modal washes out the entire dashboard

SHIP-BLOCKER

Area: Dashboard · Frequency: every fresh dashboard load · Verified: screenshot + DOM

On every fresh login/dashboard load, a full-screen "streak" overlay renders with a **white (non-dimmed) backdrop** instead of a dark scrim. The dashboard behind it becomes unreadable. The modal content is pushed to the bottom-right corner with no modal container, three logo seals render along the top (one clipped at the viewport edge), a 😢 emoji sits next to the celebratory text, and there is no visible close button — the only exit is an "Enter Workspace" action button.

> **Why ship-blocker:** This is the first screen every new user sees. It looks broken, hides the product, and forces a non-obvious action to dismiss.



White washout backdrop; content pushed bottom-right; logo seals along the top; no close button (01-dashboard-streak-overlay.png)

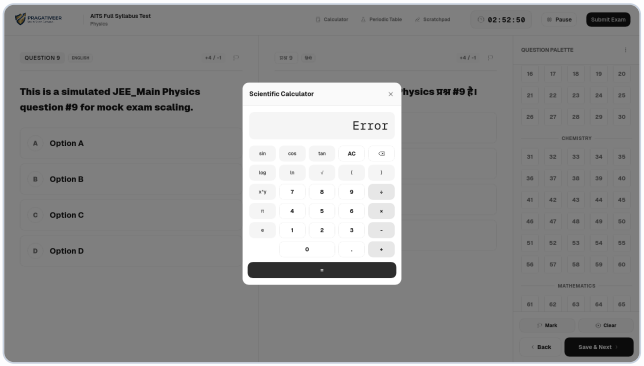
BUG-02 · Exam scientific calculator breaks permanently after one invalid operation SHIP-BLOCKER

Area: CBT exam UI · Frequency: deterministic after any error-state input · Verified: DOM event logging + repeated repro on fresh exam sessions

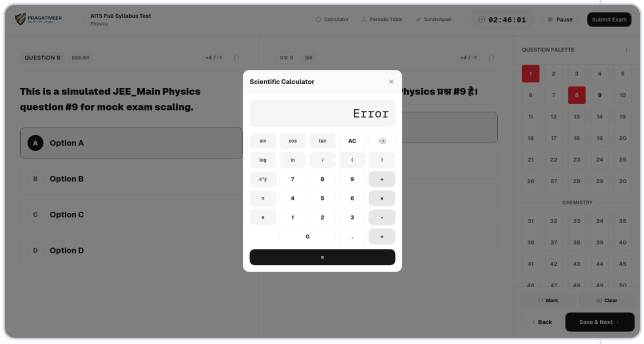
Opening the calculator and pressing `sin(` (an intentionally incomplete expression) poisons the calculator state permanently. From then on:

- Digit keys stop updating the display — pressing 7 appends to the error string instead (`"Error7"` observed via MutationObserver).
- Multi-step arithmetic yields `Error` instead of a result — verified fresh exam session: `7 × 8 =` displayed `Error` instead of 56.
- The AC (all-clear) button does **not** clear the error state — double-click via JS and trusted clicks both fail.
- Once in the error state, all calculator buttons become dead.

> **Extra risk:** While the calculator modal is open it renders as a full-screen overlay (`div.fixed.inset-0.z-50`) that **blocks all clicks on the exam UI behind it** (option selection, Save & Next, palette). Students may think the exam is frozen when only the calculator modal is silently open. DOM-verified: Save & Next only worked after the modal was explicitly closed via its X button.



Display stuck at Error; digits don't register (30-cbt-calculator.png)



Calculator overlay state blocking exam UI (37-...-overlay-blocks-all-clicks.png)

BUG-03 · Demo user switcher bricks the whole dashboard (backend 404)

SHIP-BLOCKER

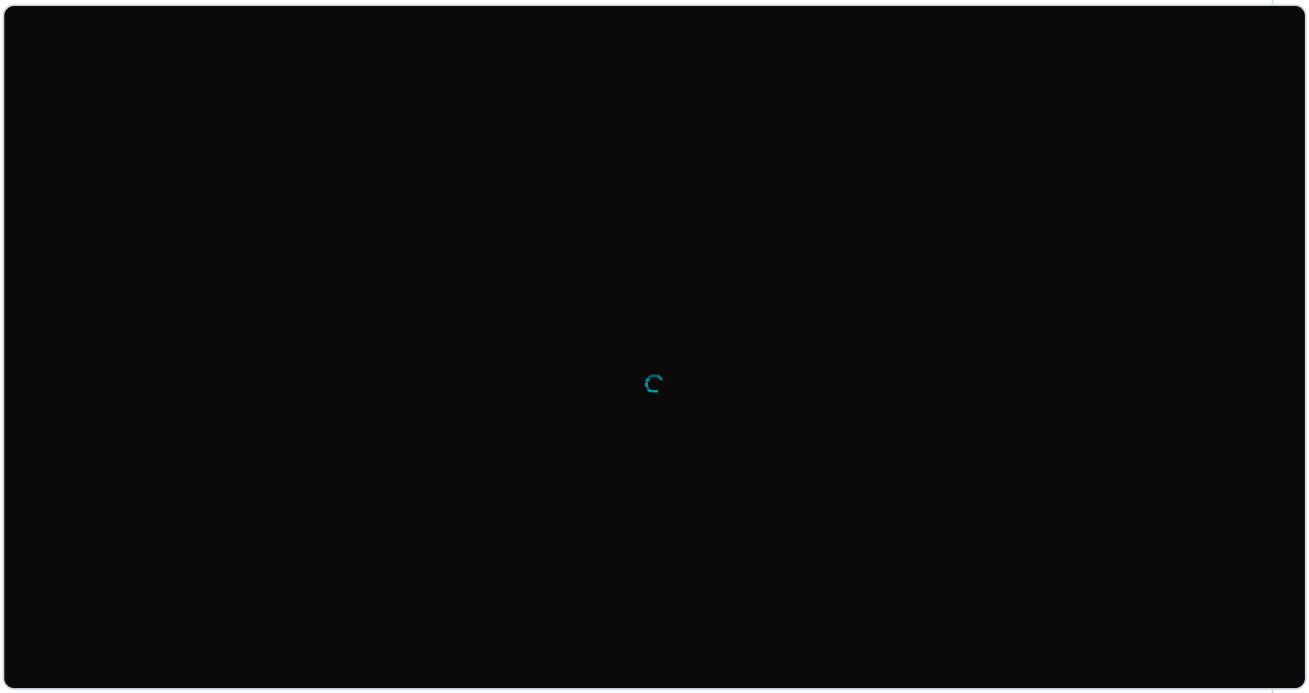
Area: Header "Demo:" dropdown · Frequency: deterministic on switch to Priya (Pro Plan) · Verified: UI repro ×2, DOM, production backend logs, DB query

Switching the demo persona from Rahul (AI Coach) to **Priya (Pro Plan)** in the header dropdown leaves a completely blank dashboard (React tree renders nothing — `body.innerText.length = 0`). Navigation to any other dashboard route stays blank. Recovery requires a fresh login.

Root cause (confirmed on production): the switcher writes demo GUID `22222222-2222-2222-2222-222222222222` as `activeUserId`/auth cookie, then the frontend calls `GET /api/users/22222222-…` which returns **404** — that user ID does not exist in the `user` table (only 5 users exist; no Priya or Neha demo rows). The dashboard crashes on the failed fetch instead of handling it.

```
backend log: GET /api/users/22222222-2222-2222-2222-222222222222 HTTP/1.1  404 Not Found  (×many)
             POST /api/users/22222222-…/session            HTTP/1.1  404 Not Found
DB: user table = admin, demo@pragativeer.com (Rahul), + 3 test users — NO Priya / Neha rows
```

> **Fix:** seed the Priya/Neha demo users in the production DB (or point the dropdown at real IDs), and make the dashboard render an error state instead of a blank page on fetch failure.

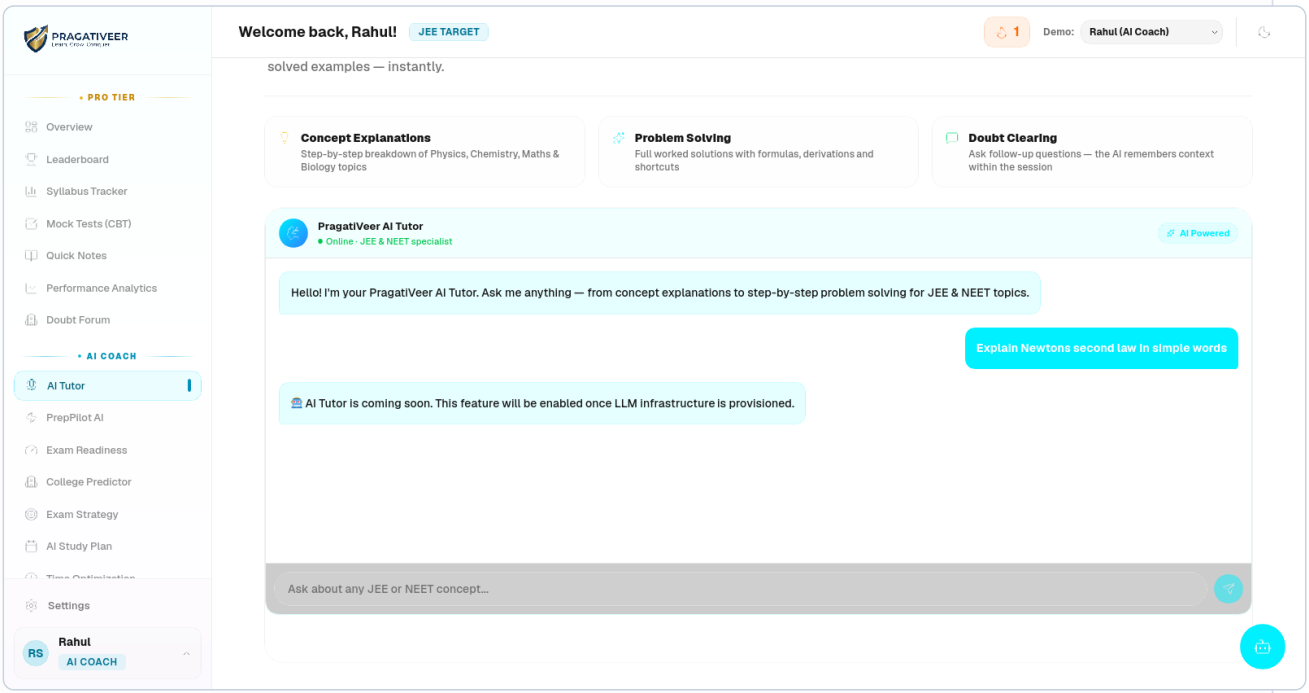


Dashboard after switching to Priya — blank white page (44-user-switch-priya-broken.png)

BUG-04 · AI Tutor is a placeholder — "coming soon" HIGH

Area: AI Coach → AI Tutor · Verified: live question attempt + screenshot

Submitting a question ("Explain Newton's second law in simple words") returns a static notice: "🤖 *AI Tutor is coming soon. This feature will be enabled once LLM infrastructure is provisioned.*" AI Tutor is a headline AI Coach plan feature and is marketed as instant explanations. Either ship it or gate/hide the nav entry until the LLM backend is provisioned.

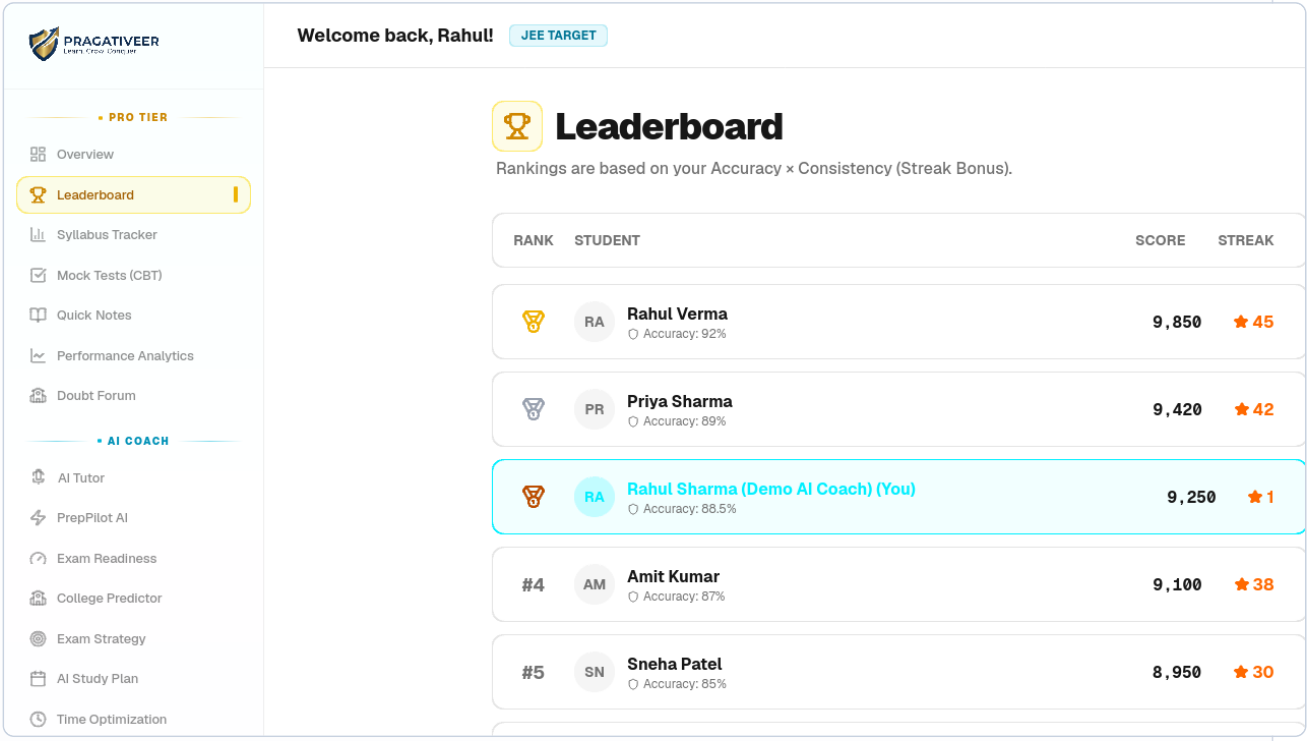


"Coming soon" response to a live question (25-ai-tutor-response.png)

BUG-05 · Demo label leaks into student-facing UI HIGH

Area: Dashboard header + Leaderboard · Verified: snapshot + screenshot

The user's real display name on the leaderboard and header is "*Rahul Sharma (Demo AI Coach)*" — internal plan-tier labeling leaks into student-facing surfaces. On the leaderboard this appears next to "(You)", which looks unprofessional and confusing to students.

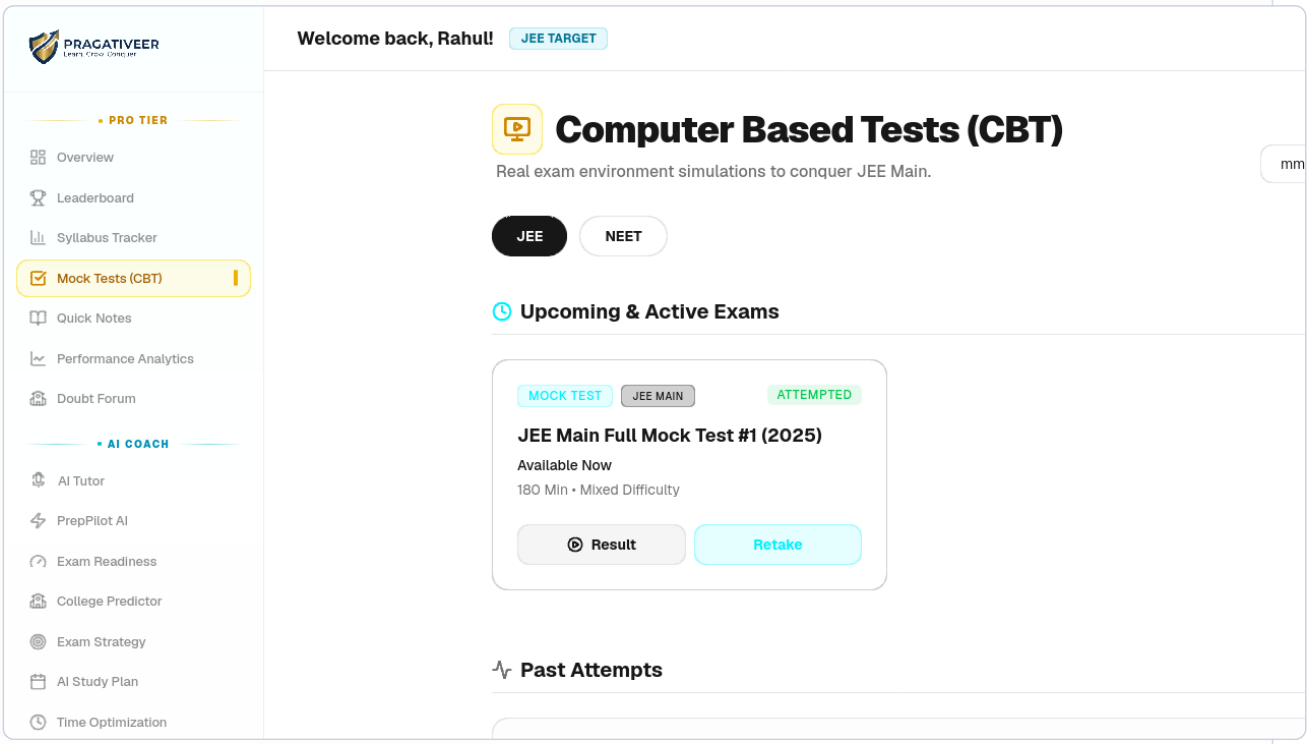


"*(Demo AI Coach)*" *suffix visible on leaderboard (04-leaderboard.png)*

BUG-06 · Negative score rendered without danger styling HIGH

Area: CBT → Past Attempts · Verified: DOM computed style

A failing score of **−90/360 with 0% accuracy** renders in plain dark bold text — computed color `rgb(23,23,23)`, identical to a passing score. There is zero red/danger affordance for a failing result on a test-prep product where score color-coding is a core UX convention. (Result page after my full attempt had the same issue: "Final Score −1/360" unstyled.)



−90/360 at 0% accuracy, no danger color (06-cbt-page.png)

BUG-07 · Leaderboard scoring contradicts its stated formula MEDIUM

Area: Leaderboard · Verified: on-page math

The stated formula is "*Accuracy* × *Streak Bonus*", yet the demo user with **streak = 1** scores **9,250 pts at rank #3**, placed above a user with **streak = 38**. The math as shown cannot be produced by the stated formula — either the formula label or the computation is wrong.

BUG-08 · Attempted exam listed under "Upcoming & Active Exams" MEDIUM

Area: CBT list page · Verified: snapshot

The already-attempted "JEE Main Full Mock Test #1 (2025)" appears in the *Upcoming & Active* section (with an Attempted chip) instead of surfacing primarily under Past Attempts. Confusing information architecture for students scanning their next action.

BUG-09 · Hardcoded "conquer JEE Main" subtitle with NEET tab present

MEDIUM

Area: CBT page · Verified: snapshot

Page subtitle says "conquer JEE Main" while the page itself offers a NEET tab — copy is hardcoded for one exam track.

BUG-10 · PrepPilot card title glued to difficulty badge MEDIUM

Area: AI Coach → PrepPilot · Verified: snapshot text

Card renders "Biology — Chapter 4 DPS**Medium**" — missing space/newline between title and difficulty badge.

BUG-11 · Streak emoji mismatch in celebration copy MEDIUM

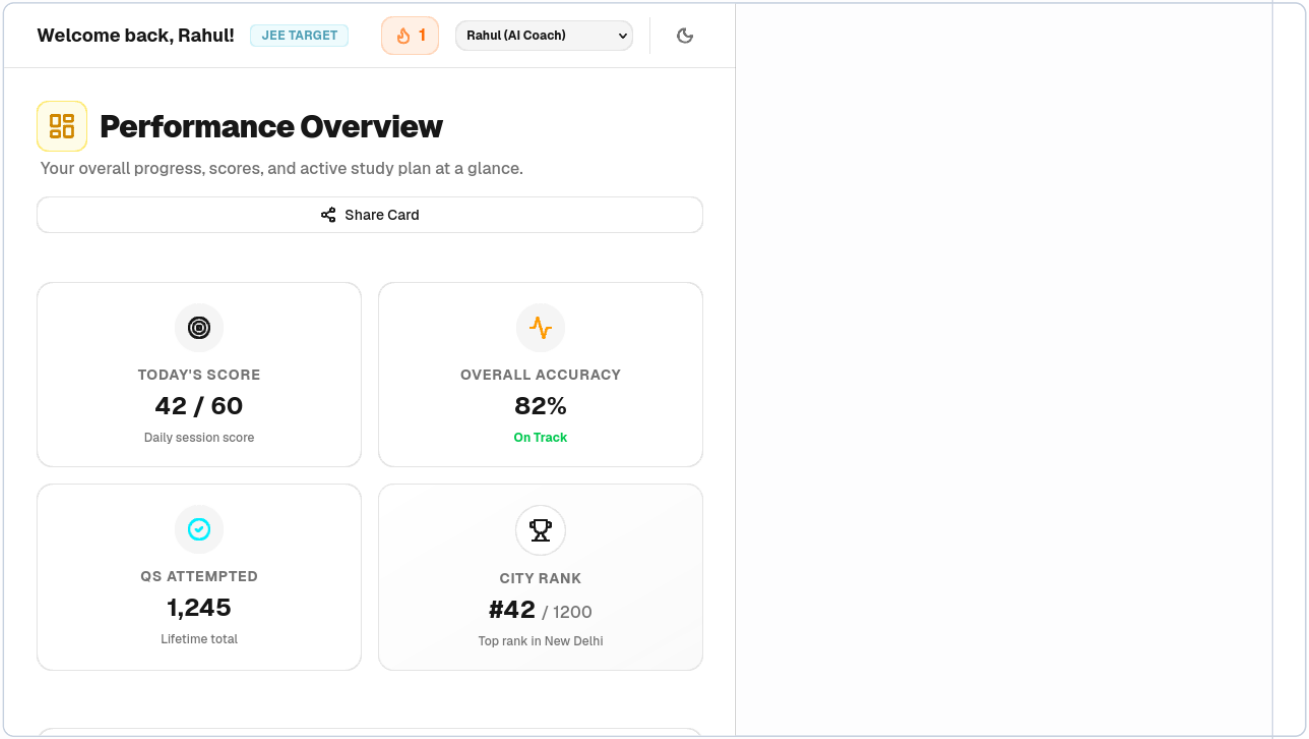
Area: Streak overlay · Verified: snapshot

Copy mixes a sad emoji with a celebratory headline: "😢 *Keep the Fire Burning! 🔥 Great job!*" — the 😢 belongs to a break-streak message, not a celebration.

BUG-12 · Adaptive Study Plan timeline node misaligned LOW

Area: Dashboard · Verified: screenshot at 1600px (desktop)

The floating timeline node sits detached in the left gutter with a ~40px gap from its task card; alternating layout breaks on the desktop breakpoint. Cosmetic but visible on the primary dashboard.



Timeline node floating in gutter (07-dashboard-fullwidth-check.png)

3.13 · Retracted findings (false alarms — documented for transparency)

Original suspicion	Resolution
Right-edge content clipping / horizontal overflow on dashboard & CBT	RETRACTED DOM proof: `scrollWidth == clientWidth` at true 1920px viewport; screenshots were 1280×720 crops of a larger viewport. No overflow exists at any tested width (720 / 1600).
Screenshot capture "missing full page"	RETRACTED Tooling issue (test browser anti-fingerprint viewport), fixed during the engagement; all subsequent captures are full-page.

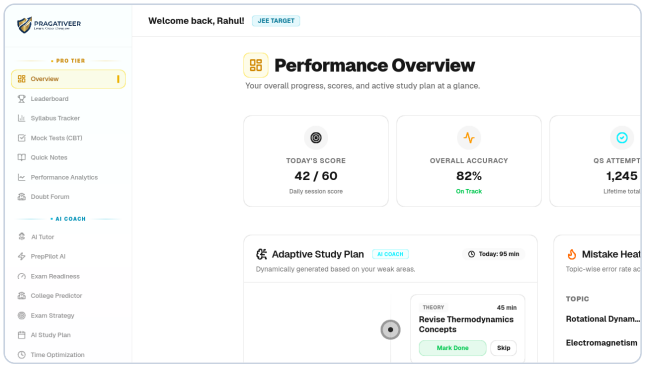
4 · What Works Well

> The exam engine — the heart of the product — is **solid end-to-end**.

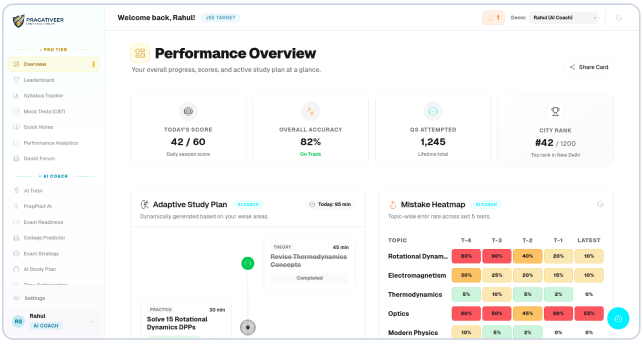
- **Full CBT lifecycle:** instructions → 90-question bilingual exam → answering → Save & Next / Mark for Review / Clear → palette navigation → Pause/Resume (with anti-cheat note) → submit confirmation → result with score breakdown → solutions with answer key and per-question explanations. All verified working.
- **Bilingual exam UI:** English + हिंदी question rendering with math notation works cleanly.
- **Dashboard data surfaces:** stat cards, Mistake Heatmap (topic × last-5-tests matrix), Adaptive Study Plan tasks, Today's DPPs, Upcoming CBTs — all render with coherent data.
- **All 10 AI Coach pages** load with real content: Readiness (composite index + subject confidence), College Predictor (Reach/Target/Safety + closing-rank trends), Strategy (negative-marking analysis), Time Optimization (peak cognitive window), Weekly Progress (streaks/milestones), Mistake Analyzer (spaced-repetition queue).
- **Dark mode:** toggles correctly and persists across reloads (localStorage `theme`).
- **No console errors / no layout overflow** on any of the 15 tested pages at 720px and 1600px widths.
- **Solutions page quality:** per-question "Your Answer vs Correct Answer" with detailed explanations (verified with actual formulas).

5 · Evidence Gallery — Page-by-Page

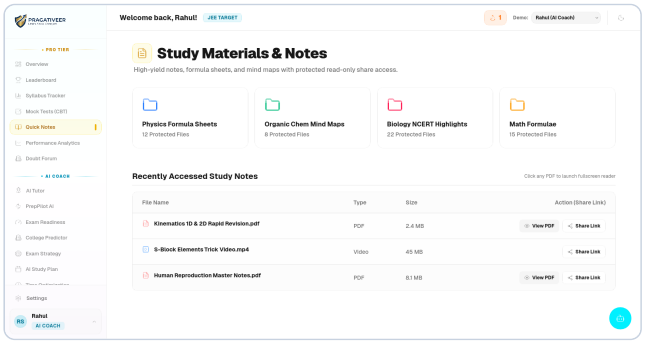
Full-page captures at 1600×839. All 51 evidence files are archived at `/root/GN_assets/maya/pragativeer-qa/screenshots/`.



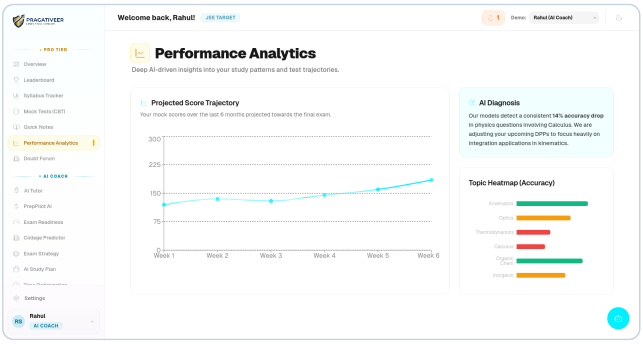
Dashboard — stat cards & study plan (02)



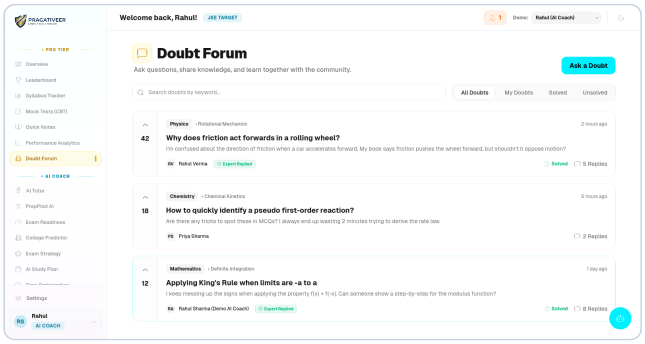
Dashboard clean, full width (09)



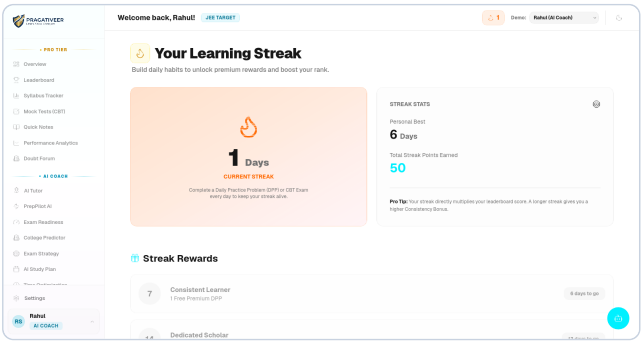
Quick Notes / Study Materials (10)



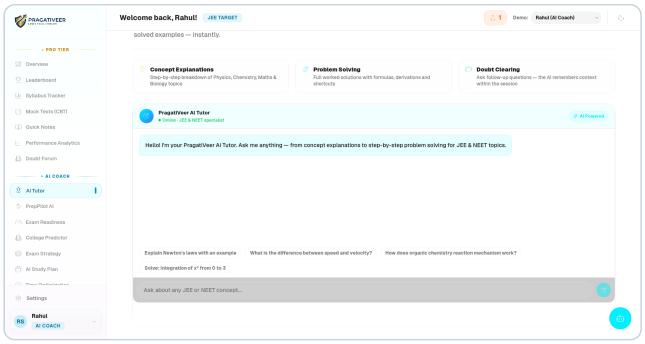
Performance Analytics (11)



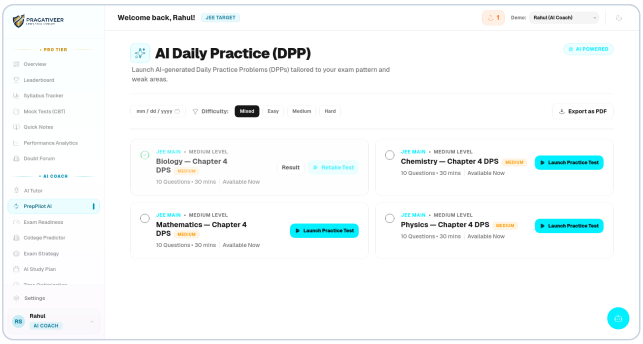
Doubt Forum (12)



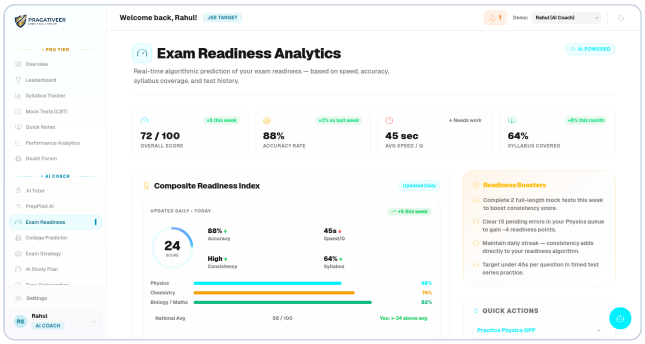
Streaks page (13)



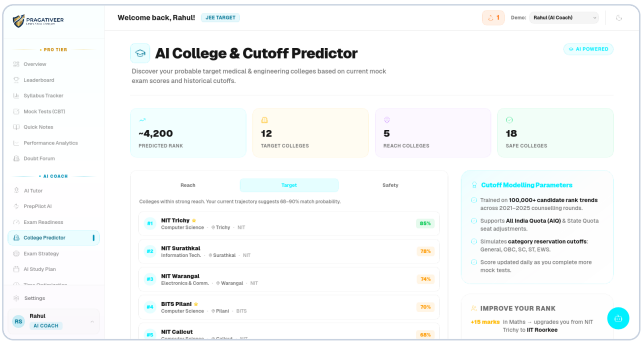
AI Tutor — chat UI (15)



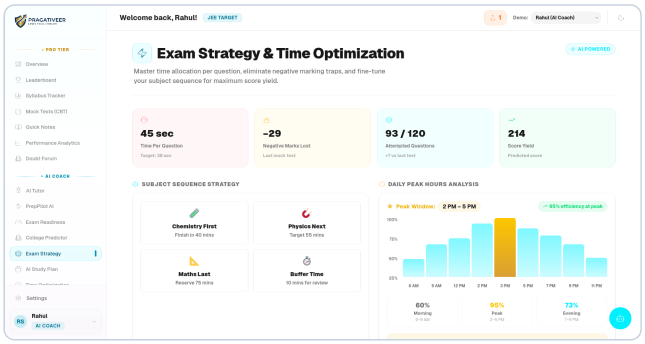
PrepPilot DPP generator (16)



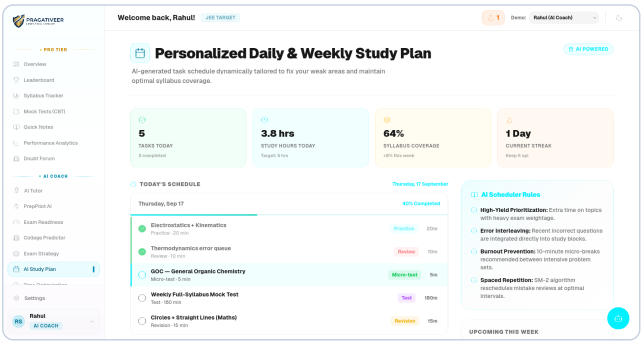
Exam Readiness — composite index (17)



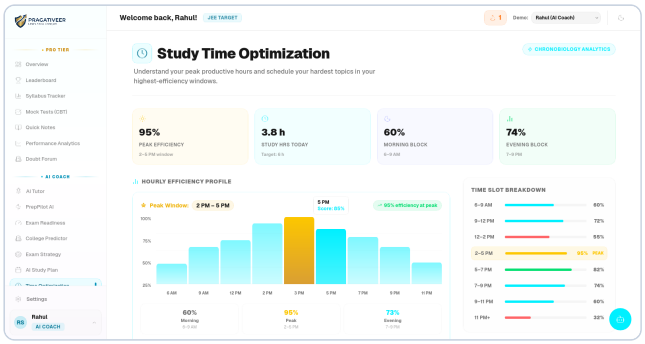
College Predictor (18)



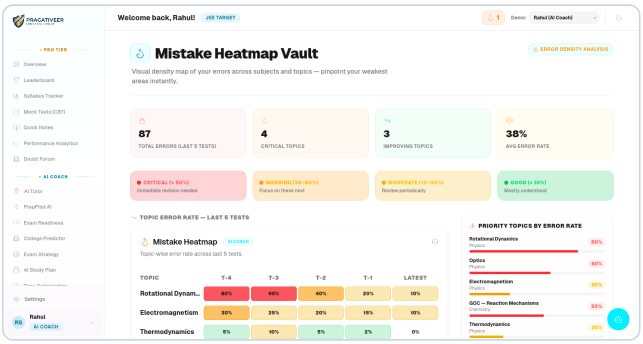
Exam Strategy (19)



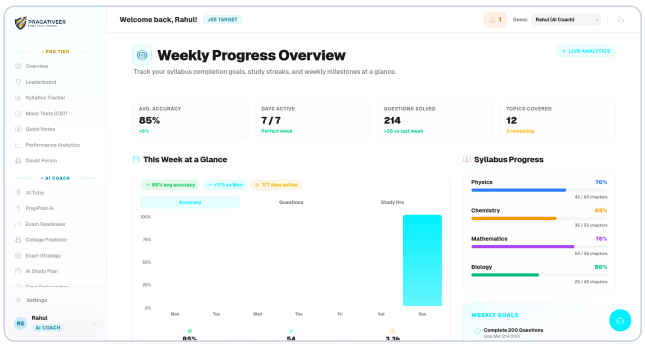
AI Study Plan (20)



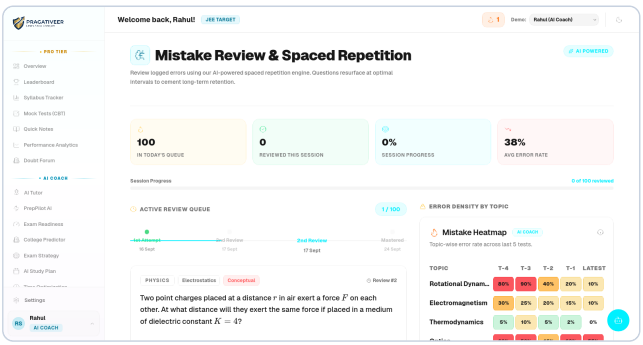
Time Optimization (21)



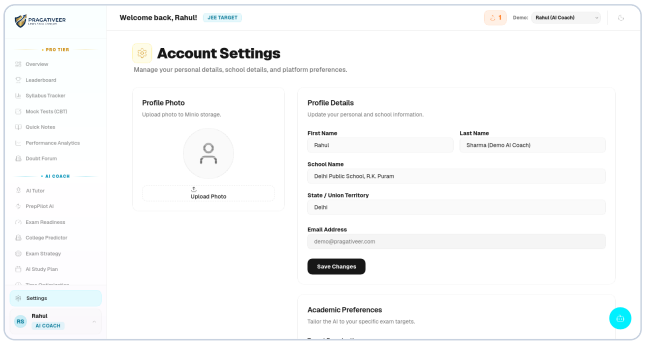
Mistake Heatmap (22)



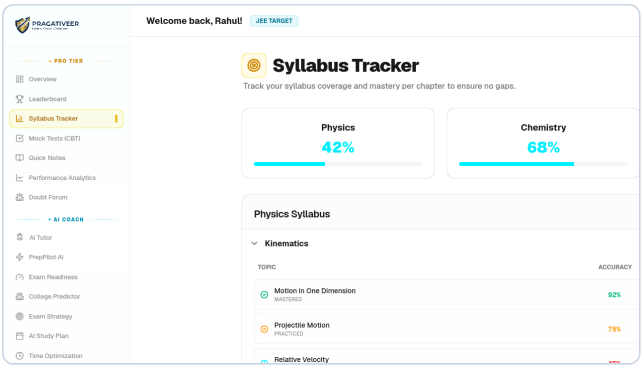
Weekly Progress (23)



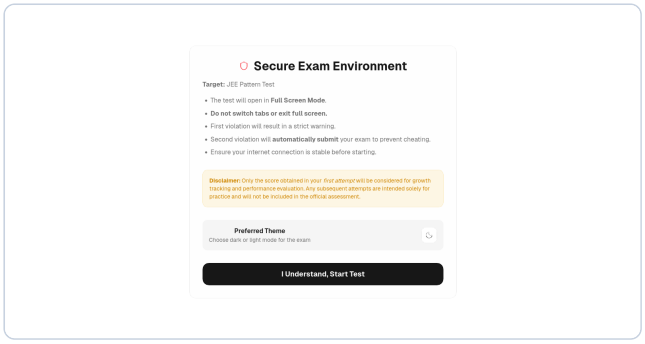
Mistake Analyzer (24)



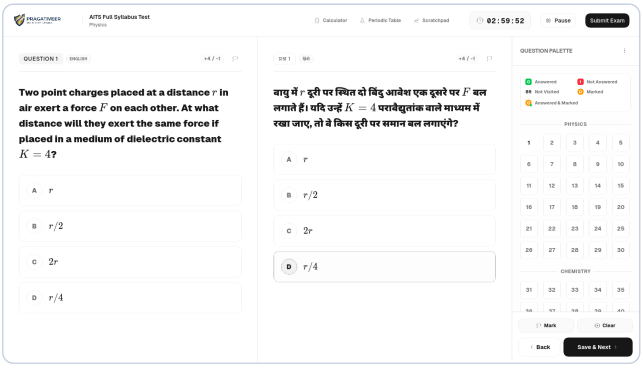
Account Settings (14)



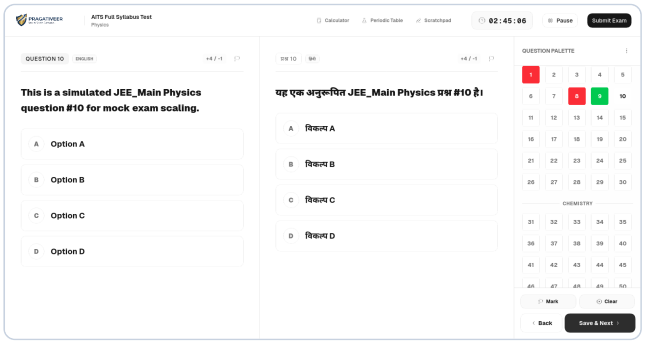
Syllabus Tracker (05)



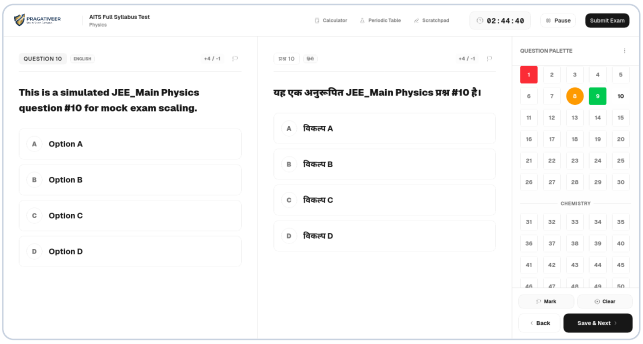
CBT instructions page (26)



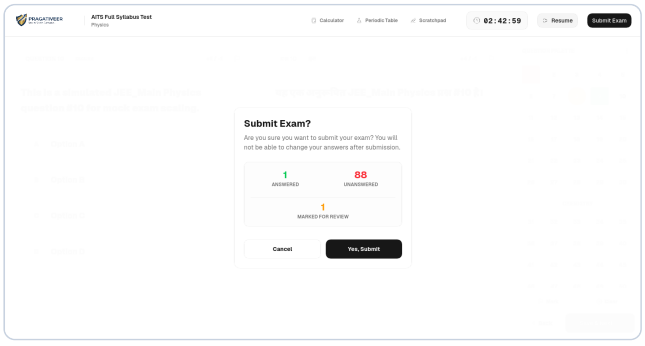
Exam screen — Q1 bilingual (27)



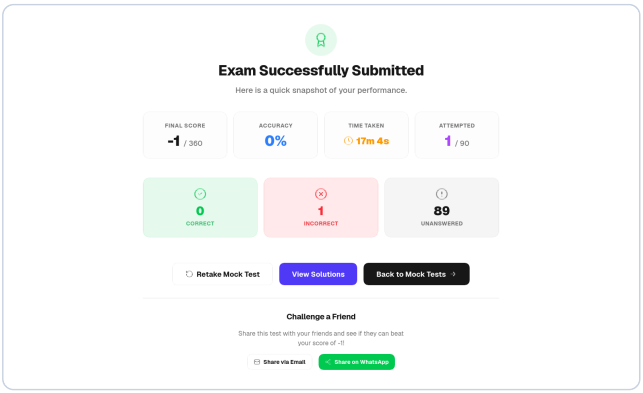
Exam nav working, calc closed (38)



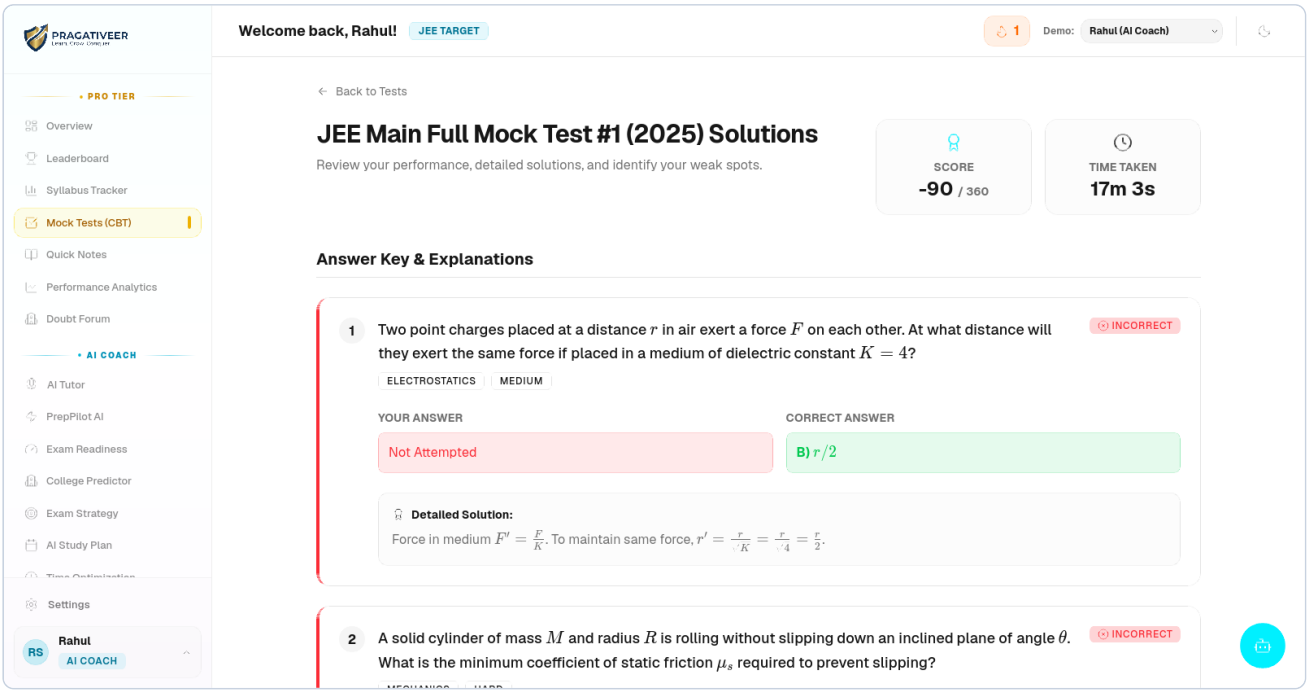
Full exam navigation verified (39)



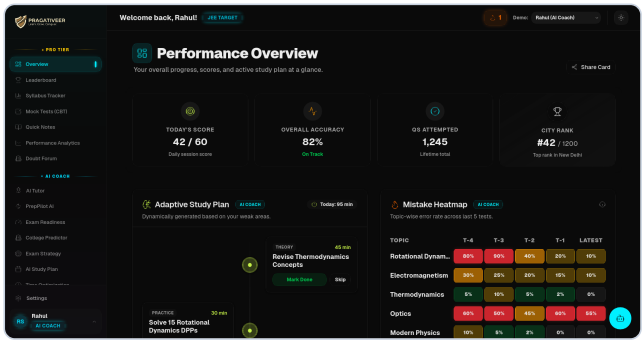
Submit confirmation dialog (40)



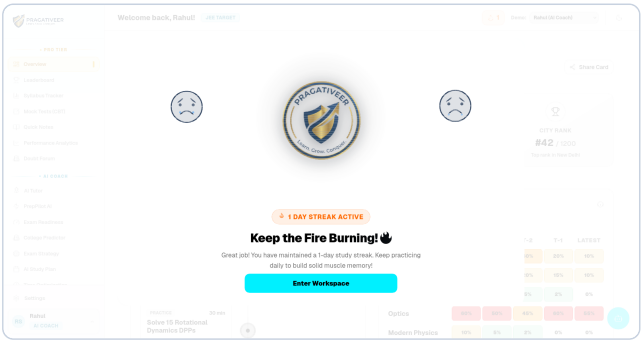
Result page after submission (41)



Solutions with answer key & explanations (42)



Dark mode active (43)



Streak overlay, full-width capture (08)

6 · Recommendations & Fix Priority

#	Fix	Owner area	Priority	Est. effort
1	Rework streak modal: dark scrim, proper modal container, center alignment, close button, fix emoji	Frontend	P0	0.5 d
2	Calculator: sanitize incomplete expressions, make AC reset state, guard = evaluation; consider closing on backdrop click	Frontend	P0	0.5–1 d
3	Seed Priya/Neha demo users in DB (or map dropdown to real IDs) + error-state fallback on dashboard fetch failure	Backend + Frontend	P0	0.5 d
4	AI Tutor: provision LLM backend or hide/gate nav entry until ready	Backend + Product	P1	—
5	Strip "(Demo …)" suffix from student-facing name surfaces	Frontend	P1	0.25 d
6	Danger color coding for negative/failing scores (CBT past attempts + result page)	Frontend	P1	0.25 d
7	Leaderboard: align computation with "Accuracy × Streak Bonus" or fix the label	Backend	P2	0.5 d
8	CBT list IA: move attempted tests out of "Upcoming & Active"	Frontend	P2	0.25 d
9	Copy fixes: "conquer JEE Main" subtitle, PrepPilot badge spacing, streak emoji	Frontend	P2	0.25 d
10	Study Plan timeline alignment at desktop breakpoint	Frontend	P2	0.25 d

Combined estimate: 3–5 dev-days. Items 1–3 unblock any student-facing announcement; item 4 is revenue-relevant for AI Coach plan marketing.

7 · Test Notes & Limitations

- **Not tested:** payment/subscription flow, signup (to avoid mutating prod data beyond the sanctioned demo account), password reset emails, real AI Coach API consumption beyond UI surfaces, mobile-specific breakpoints beyond 720px width check.
- **Prod safety:** all testing was read-only except the sanctioned exam attempt on the demo account (the product itself documents that only first attempts count for official scoring — one extra attempt was used for QA).
- **Infrastructure note (separate from QA):** Celery worker + beat containers show "unhealthy" status — this is a misconfigured healthcheck (curling a backend port inside Celery containers where nothing listens), not a real failure. Workers were proven functional via logs (daily study-plan generation ran at 05:00 IST, 0.37s, 2 users). Fix available on request.
- **Screenshots:** full-page captures; the 51 evidence PNGs referenced here are archived under `/root/GN_assets/maya/pragativeer-qa/screenshots/` (backed up via GN_assets git sync).

— End of report · Maya, CEO's Office · Gyannetra Pvt. Ltd. · 2026-09-17 —