Product Management Proposal –Techno Campus Dashboard

1. Introduction

Coding Jr is a futuristic EdTech platform dedicated to developing 21st-century skills such as coding, AI, and data science in students from school to university levels. With its higher education subsidiary, Coding Junior, the platform is expanding to the university domain with a daring mission: to establish India's first AI-driven Techno Campuses. TransStadia University in Gujarat is a contemporary institution that combines sports, education, and innovation. It has joined forces with Coding Jr to introduce the first Techno Campus, revolutionizing its academic environment through AI-based evaluations, virtual internships, customized learning, and data-driven campus management.

As part of this partnership, I am suggesting a strategic roadmap for creating a Techno Campus Dashboard—a central, AI-powered platform for partner institutions. This dashboard will allow students, instructors, and administrators to monitor learning, organize projects, have access to internships, and utilize analytics for more intelligent decisions.

In this proposal, we will:

1. Sketch out a roadmap to create the Techno Campus Dashboard.
2. Suggest two product features drawing from the actual needs witnessed at TransStadia University.
3. Suggest tools to gather feedback and enhance student experiences on the Coding Jr platform.

The objective is to make the Coding Jr–TransStadia partnership more robust and expand the Techno Campus model across several universities through smart, user-centric product development.

2. Product Roadmap for Techno Campus Dashboard

To contribute meaningfully to Coding Pro's mission, I have designed a five-phase product roadmap for building the Techno Campus Dashboard—a centralized platform that empowers students, faculty, and administrators at partner universities like TransStadia. This roadmap follows an agile, user-focused approach, starting from research and ending with iterative improvements post-launch.

Phase	Description
Discovery	Here, we will conduct research with a view to understanding the particular needs of TransStadia University's staff and students. This will include collecting qualitative feedback through surveys, informal interviews, and examining current workflows with a view to identifying gaps and expectations in technology use on campus.
Planning	Based on my research, we will determine the primary features the dashboard would need and prioritize them for an MVP. Primary features may include progress tracking, internship status, project submission, and analytics. These features will be outlined in a PRD for development.
Design	We will develop UI/UX wireframes of admin and student interfaces that are clean, clear, and accessible. We will deliver early prototypes to stakeholders at TransStadia for comments and iteratively improve the designs prior to development.
Development	We will create the development process in two-week sprints using an agile methodology. We will utilize a modern tech stack (e.g., React for front-end, Node.js or Django for back-end, Firebase/PostgreSQL for real-time data handling) when developing the dashboard. Every sprint will provide a working module for testing and feedback.
Launch & Iterate	We will pilot-launch the MVP after completing it in TransStadia University whilel monitor usage patterns, get feedback through structured surveys and user testing, and find out what needs

to be enhanced. We'll then iterate on the dashboard by adding advanced features such as AI-powered mentor pairing, career mapping, or skill-gap alerts based on this feedback.

3. Key Features Based on TransStadia Use Case

Informed by TransStadia University's active adoption of future-forward, tech-enabled education systems, I propose the following two key features for the Techno Campus Dashboard. These features aim to enhance visibility, decision-making, and student growth tracking in a practical and user-centric manner.

Feature 1: Student Skill Tracker Dashboard

A real-time skill tracker that visualizes each student's learning journey across various modules such as course progress, project submissions, virtual internships, and certifications. The tracker uses color-coded indicators (e.g., green for mastered skills, yellow for in-progress, red for improvement areas) to give students and faculty a clear picture of competency.

Why This Matters:

1. Improves Self-awareness: Students get a transparent view of their progress and areas needing attention, promoting self-directed learning.
2. Encourages Completion Rates: A progress bar system creates visual motivation to finish tasks.
3. Supports Mentorship & Feedback: Faculty and mentors can use the tracker to identify lagging students and provide timely interventions.

Feature 2: Admin Analytics & Engagement Panel

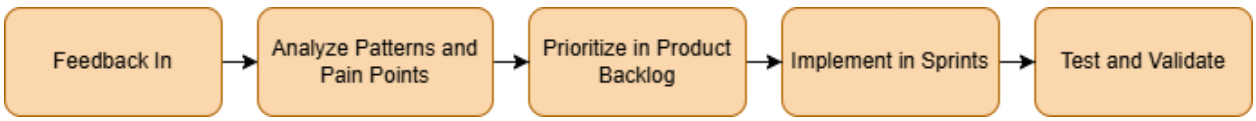
A centralized panel for administrators and faculty that provides real-time analytics on student activity, course participation, project completions, and placement preparedness. This panel includes downloadable reports, graphical charts, heatmaps of student logins, and cohort comparisons.

Why This Matters:

1. Informed Decision-Making: Admins can allocate resources or adjust curriculum pacing based on real-time engagement data.
2. Cohort Management: Facilitates easy filtering by batch, course, or skill area to compare group-level performance.
3. Placement Forecasting: Metrics like assignment scores, attendance, and project quality help assess placement readiness early.

4. Feedback Collection Tools

To maintain the Techno Campus Dashboard current with user expectation, we will use a multi-channel feedback system. Google Forms or Typeform will garner structured feedback following significant activities such as course completion. In-app widgets like Hotjar will provide real-time feedback when users interact with the dashboard. Apart from that, we will have monthly Zoom roundtables involving students, lecturers, and admin personnel to facilitate free discussion. These methodologies will enable me to sharpen the user experience, order development against real user pain points, and monitor satisfaction using measures such as NPS, usability scores, and retention.



5. Conclusion

This product proposal supports Coding Pro's mission by enhancing digital learning environments through smart, data-driven tools. Using TransStadia University as the pilot, the Techno Campus Dashboard sets a scalable and repeatable model for future partner institutions—ensuring personalized learning, streamlined administration, and improved student outcomes across campuses.