Designing AI literacy futures for design education in Brazil by 2035

A participatory speculation with Brazilian higher education faculty

Secondary Research Evidence synthesis to identify knowledge gaps. Backcasting Roadmap Planning backwards milestones to clarify Al Design Education Trend Map Mapping emerging trends to visualise systemic shifts. Speculative prototyping Materialising future hypotheses to expose Al Design Education Trend Map Sessions with 7 Brazilian design educators to converge diverse perspectives. Consolidation of Learnings Integrating project insights to refine

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Preferable Future

By 2035, Brazilian design educators lead classrooms in higher education as living studios where students and algorithms co-create solutions to complex, locally grounded challenges. These educators go beyond tool fluency—they shape how Al supports inquiry, cultural relevance, and creative growth.

Classes begin with Al-generated visuals that students critique for bias and missing perspectives from their lived experience. Prototyping involves simulations with synthetic users, always paired with human insight. Educators shift from teaching how to build to guiding students in selecting, questioning, and reframing what is built—and why.

Rather than promoting speed or perfection, these classrooms cultivate critical thinking. Al is used to surface blind spots, pluralize perspectives, and support serendipitous discovery. Teachers foster student agency by making visible the choices behind each design and the values those choices affirm. The true impact of this future lies in a new pedagogy: one where students don't just use Al, but learn to think with and against it, building both technical fluency and ethical imagination grounded in Brazilian realities.

AI MOODBOARD

Project Statement

Al-Literate Design Faculty for Critical

Brazilian Futures — By placing Brazilian

students' critical thinking driven by the

entrenching superficial cognition,

whereas empowering educators with

rigorous Al literacy can reconfigure

Insights

Pedagogical Al Fluency

Many Brazilian faculty lack training or confidence to use AI critically in the classroom—especially in underfunded institutions.
Pedagogical AI fluency development means enabling educators to experiment with purpose.

Critical Algorithmic Awareness

In a country marked by racial, cultural, and regional inequality, Al literacy must teach students to critically examine data sources, detect embedded bias, and question whose knowledge is being prioritised.

Embedded Ethical Praxis

Educators should embed structured reflection into classroom activities, asking students to consider how Al-generated outputs could reinforce stereotypes, automate exclusion, or misrepresent local realities.

Educational Futures
Al Literacy
Ethical Al
Speculative design
Participatory design
Brazil

Brazilian Educators Perspectives for the Future



Educators as Orchestrators

Brazilian design lecturers should move from transmitting content to curating socio-technical colaboration: teach bias-aware prompt wiffing, critical interpretation of Al outputs, and co-create ethical protocols so students learn to navigate rather than erase embiguity



Local Autorship

Generative workflows must foreground Brazil's own data, cultural codes and lived experience. Al becomes a means of reclaiming authorship, ensuring outcomes express local complexity instead of defaulting to innorted aesthetics.



From Making to Curating

With Al producing limitless sketches, the pedagogical premium shifts to curatorial judgement: define the problem space, filter what is contextually relevant, and justify every keep/remiv/discard decision—so critical thinking resides in shaping the search field, not merely executing outputs.





Projected impact: Create a repertoire that shows how AI can be used in classrooms to foster, rather than replace, students' critical thinking inspiring Brazilian educators to envision this future and take the first steps toward making it a shared reality.

Outcome & Impact

Backcasting Roadmap Villestones and enablers toward 2035 goals

Identificator
Artefact provoking

Al Design
Education Toolkit
Low-cost interventions

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