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AI product strategy

7 May 2024

Agenda

1. User needs analysis
2. Drivers for AI adoption in EdTech
3. Competitive landscape
4. Potential solutions
5. Solution prioritisation
6. Validation approach
7. Delivery plan
8. Success measures



Multiple unmet needs across student, teacher and administrator personas



Students

Jobs to be done

- Build knowledge and expertise in a topic(s)
- Develop professional skills to succeed in workforce
- Deepen understanding of self and societal challenges

Problems

- Poor knowledge retention if not applied
- Few integrated opportunities to apply skills
- Curriculum not designed with learner experience at centre



Teaching staff

Jobs to be done

- Deliver high quality student experience
- Prepare and deliver curriculum-aligned content
- Guide students on learning journey

Problems

- Adapting learning style to suit unique needs of each student
- Limited capacity for optimal lesson planning
- Lack of expertise to support at-risk or high-achieving students



Administrators

Jobs to be done

- Manage course delivery and governance
- Monitor student enrolment and participation
- Measure student outcomes
- Implement improvements to course delivery

Problems

- High administrative burden, limited capacity
- Synthesising student and staff feedback from multiple channels
- Poor visibility of student outcomes

Key drivers for AI adoption in EdTech sector

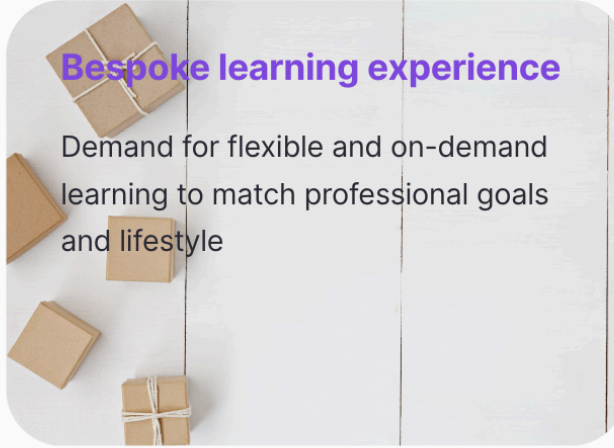
Upskilling and reskilling

Changing industry dynamics and new technologies create demand for new skills



Bespoke learning experience

Demand for flexible and on-demand learning to match professional goals and lifestyle



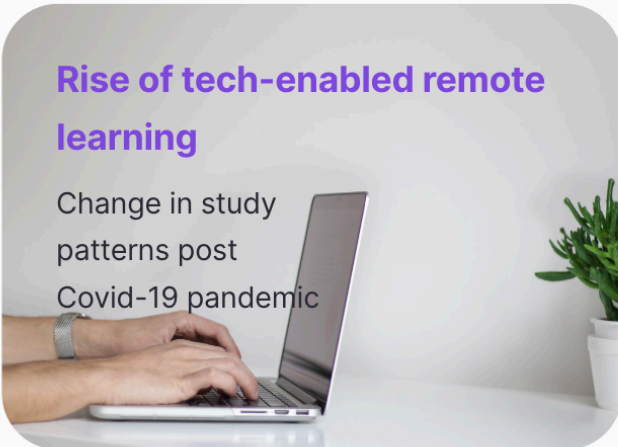
Reduce cost to serve

Support growing student population while managing sustainable cost base



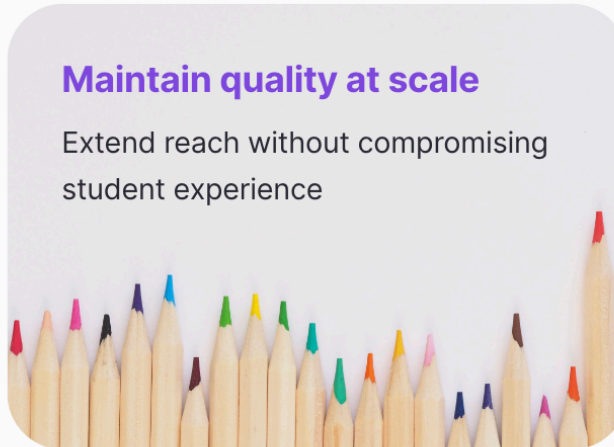
Rise of tech-enabled remote learning

Change in study patterns post Covid-19 pandemic



Maintain quality at scale

Extend reach without compromising student experience





Facilitated cohorts



Maven



Reforge



*Opportunity for market differentiation as an **AI-enabled, experiential cohort-based program***

Competitive landscape

Passive learning model



Udemy Coursera

Applied learning model

Self-serve



Interplay Learning



Forage



Amira Learning



Brilliant.org

AI product strategy driven by three core pillars

01

Personalisation

Build **intelligent content delivery engine** to support an adaptive and responsive learner experience, continuously trained on millions of student interactions

02

Predictive insights

Synthesise high volume of student performance and behaviour data to **identify patterns and actionable insights** that can inform curriculum design and improve learning outcomes

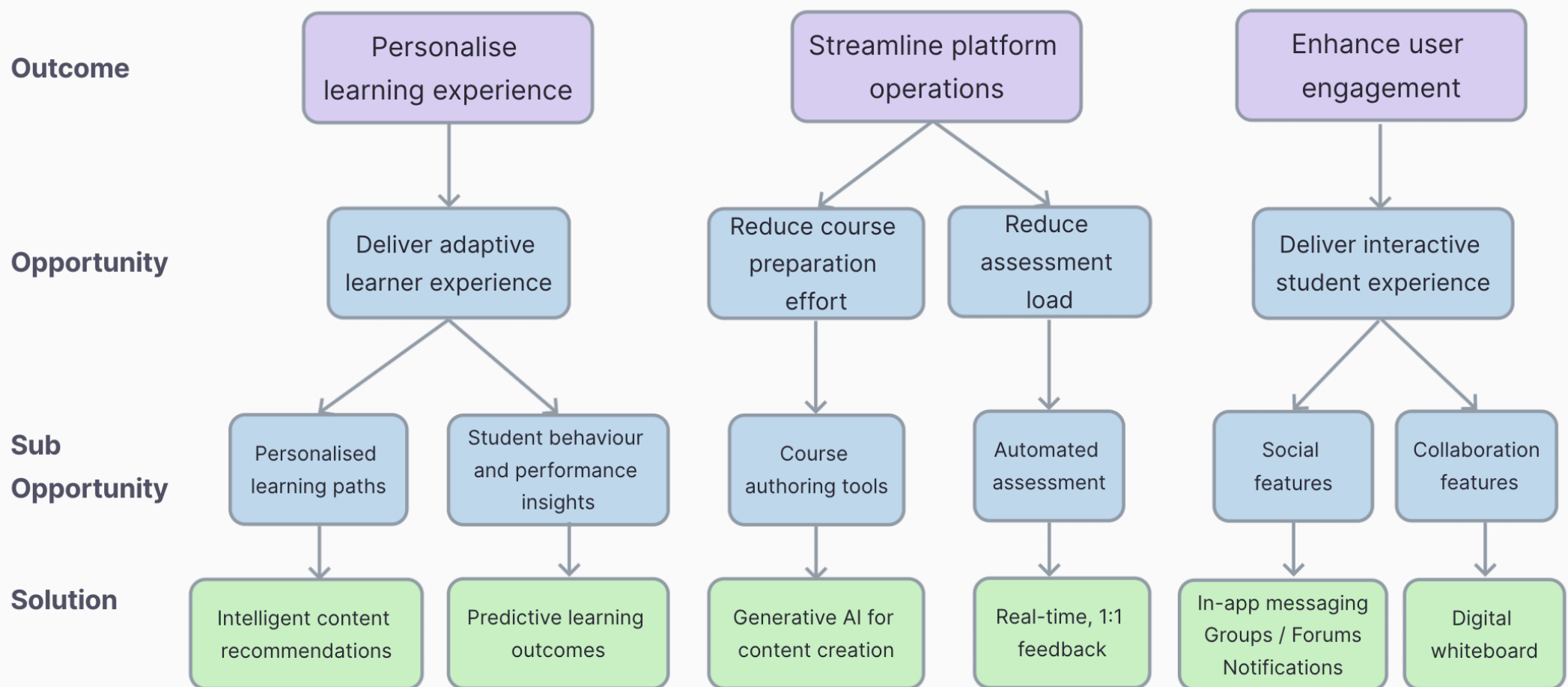
03

Efficiency

Leverage **automation and internal tools** to improve efficiency of core workflows and **reduce time and cost to serve** growing student population



Mapping business outcomes to opportunities and potential solutions



Prioritisation based on impact, confidence and effort

Objective 1: Personalise learning experience

Objective 2: Streamline platform operations

Objective 3: Enhance user engagement

Feature	Obj 1	Obj 2	Obj 3	Effort	Confidence	Score (O1*O2*O3)/E * C
Prioritised						
Intelligent content recommendations	3	0	1	3	50% (Medium)	0.5
Predictive learning outcomes	1	0	2	2	50% (Medium)	0.5
Generative AI for content creation	0	2	0	3	20% (Low)	0.13
Real-time 1:1 feedback	1	3	1	2	50% (Medium)	0.75
In-app messaging	0	0	3	2	80% (High)	1.2
Groups / forums	0	0	1	2	80% (High)	0.4
Notifications	0	0	2	2	50% (Medium)	0.5
Digital whiteboard	0	0	2	3	50% (Medium)	0.33



High-level experimentation approach

Feature	Key risks	Experiments	Success indicators
Intelligent content recommendations	Feasibility, viability	Technical spike Proof of concept	User engagement
Predictive learning outcomes	Value, feasibility	User interviews Fake door test	Validated problem statement Clickthrough rate
Real-time 1:1 feedback	Value, feasibility	Wizard of Oz prototype Proof of concept	User engagement
In-app messaging	Value	Implement threads and comments first (proxy feature)	Adoption rate
Notifications	Value	Obtain data on most frequent click paths within app Trigger notifications for core set of user actions	Open rate

Delivery plan

Quick win

Long-term innovation

Now

Next

Later

Personalise learning experience

Predictive learning outcomes

Content recommendations

User engagement

In-app messaging

Notifications

Streamline platform operations

Real-time 1:1 feedback

Gen AI for content creation



Measuring impact

Feature	Success metric
Intelligent content recommendations	$\geq 20\%$ CTR on suggested content
Predictive learning outcomes	$>90\%$ course completion (overall cohort) $>50\%$ course completion (at risk students)
Real-time 1:1 feedback	$\geq 20\%$ CTR to request real-time feedback ≥ 2 hours saved per week providing written feedback
In-app messaging	25% of students use feature daily Average response time <72 hours
Notifications	Average open rate $>20\%$ 20% decrease in average time between sessions
Gen AI for content creation	20% decrease in time and cost to produce course content