



HEI-TRAIN. HEI Transformation for
Entrepreneurship and AI-Driven Innovation



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AI, Entrepreneurship, and Global Transformation: Driving Innovation in the Digital Age

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Who I am?

PostDoc in Centre for Advanced Internet Studies (CAIS),
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My scientific interests are digital economy, sustainable
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1. What's the first word that comes
to your mind when you hear "AI"?

2. How would you describe your
current experience with using
AI in your work?



Agenda

1. AI's Role in the Digital Age
2. Entrepreneurship Opportunities
3. Global Impact & Innovation
4. Educators' Challenges & Roles
5. Discussion





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Transformation

Artificial Intelligence as a **General-Purpose Technology** (like electricity) reshaping all sectors of society.

The principle of **Creative Destruction**: innovation disrupts outdated models.

A shift from sustaining to **disruptive technologies** requires a **paradigm change in thinking**.

Calls for **boundless imagination**—not just improving the status quo, but rethinking it entirely.





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Opportunities

- AI-powered entrepreneurship is unlocking new pathways for innovation.
- Accessible tools and global platforms lower the barrier for startups worldwide.
- High-potential fields: education, agritech, healthcare, and more.





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Entrepreneurship

Entrepreneurship is the recognition of opportunities by coupling needs, wants, resources, and problems with innovative solutions and make changes to society.

It involves identifying gaps in the market and transforming ideas into products or services that can generate profit.

Entrepreneurs are individuals who undertake this process.





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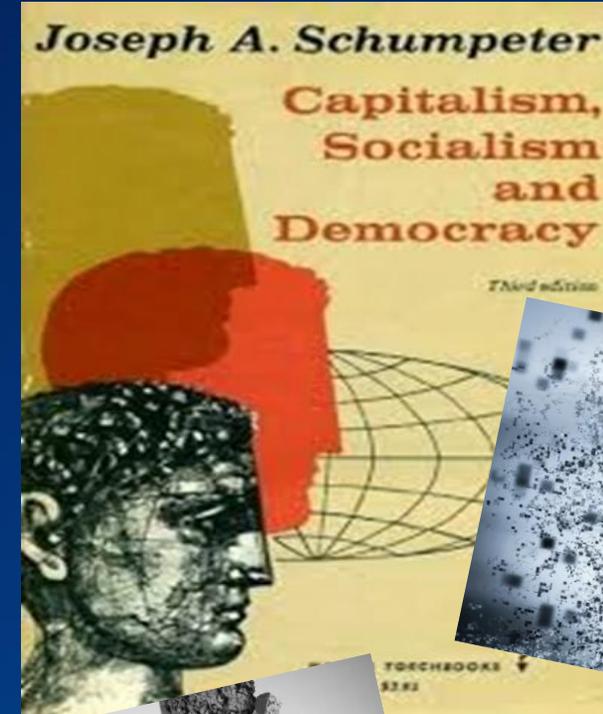
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Creative Destruction

Creative destruction is an economic concept that describes the process by which **new innovations replace and render older technologies or practices obsolete**. Coined by the Austrian economist Joseph Schumpeter in his 1942 work "Capitalism, Socialism and Democracy," the term highlights the dynamic nature of capitalism, where continuous innovation leads to the **dismantling of established structures to make way for new ones**.

Creative Destruction by AI: AI is driving economic change by dismantling established industries while simultaneously creating opportunities for new enterprises.

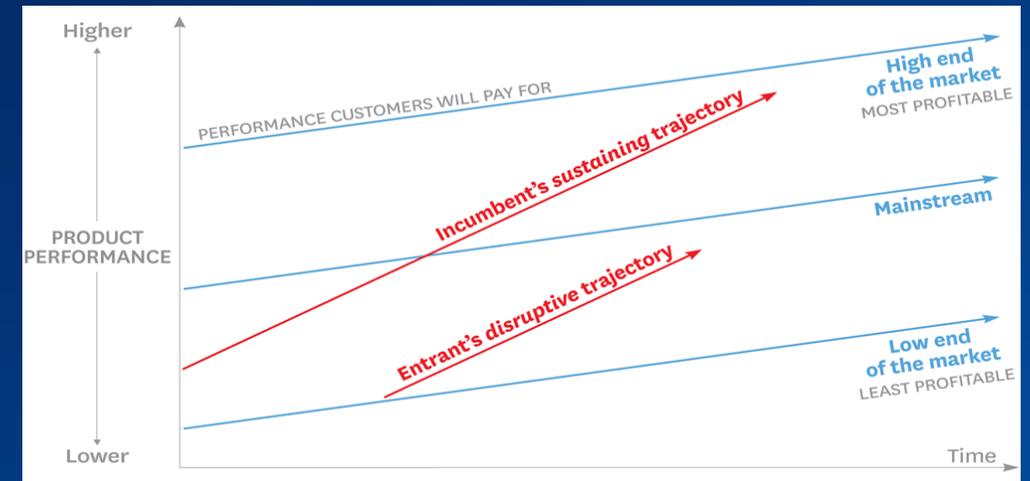


The Disruptive Innovation Model

This model compares **product performance trajectories** (represented by the red lines showing how products or services improve over time) with **customer demand trajectories** (shown by the blue lines indicating how much performance customers are willing to pay for).

As established companies (incumbents) focus on delivering higher-quality products to serve the most profitable, high-end market segments (upper red line), they often exceed the needs of mainstream and lower-end customers. This creates a market gap.

Disruptive entrants start by targeting these overlooked segments (lower red line). Over time, they improve their offerings and move upward in the market, eventually challenging incumbents—even in their most profitable areas.



Source: Clayton M. Christensen, Michael Raynor, and Rory McDonald, *What Is Disruptive Innovation?*, Harvard Business Review, December 2015.

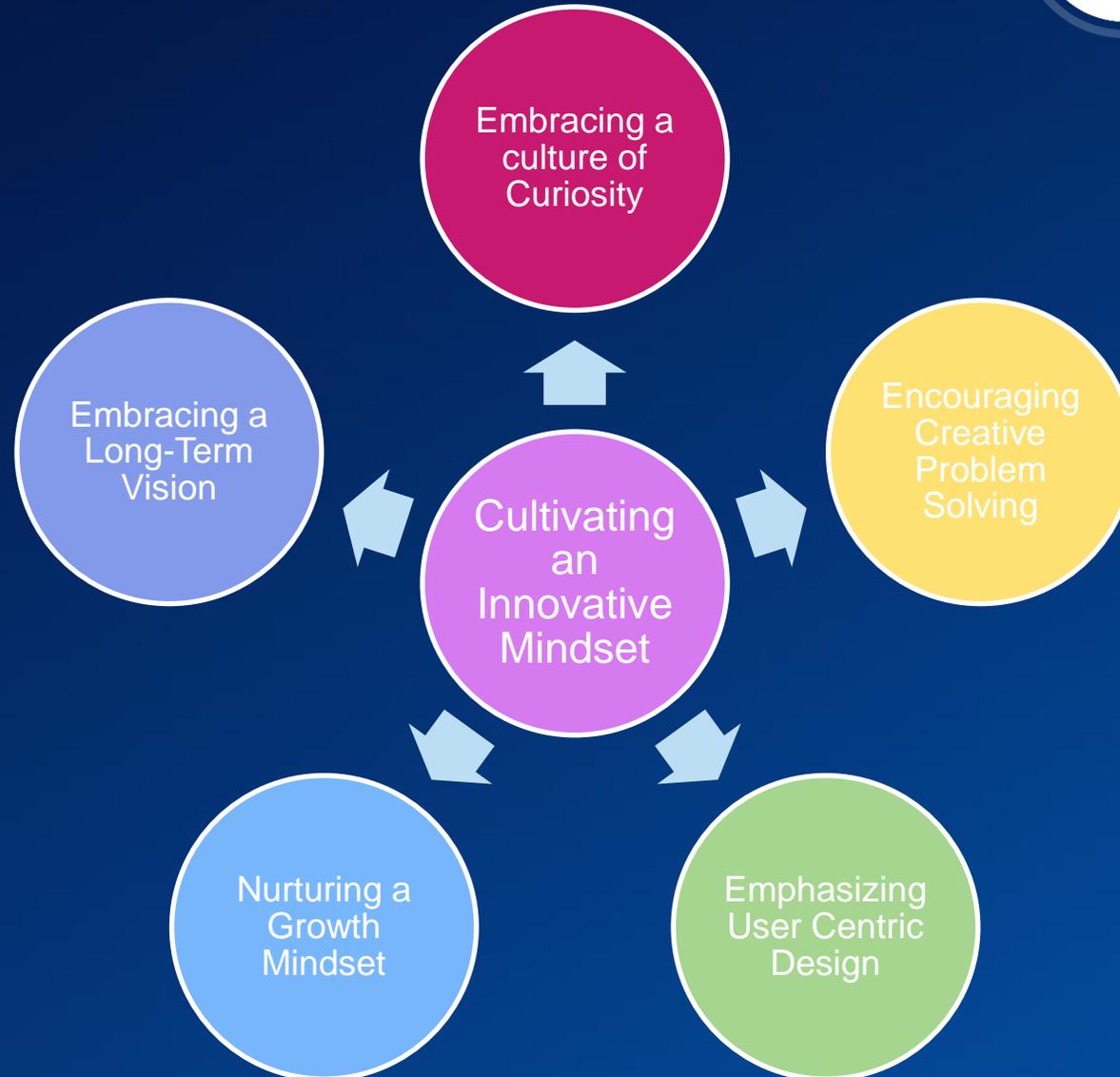


Figure 1. Principles of cultivating an innovative mindset.

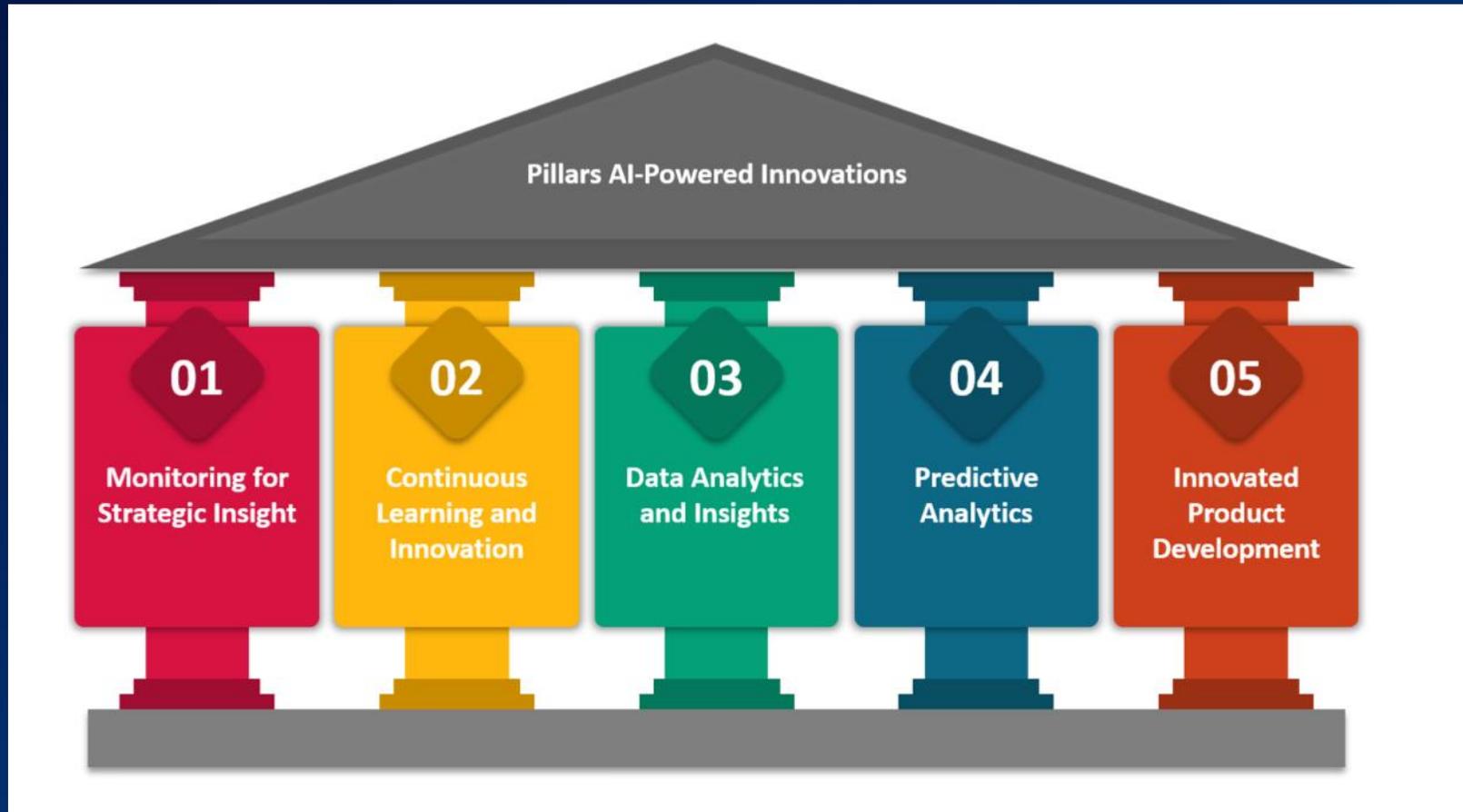


Figure 2. Pillars of AI-powered innovation.

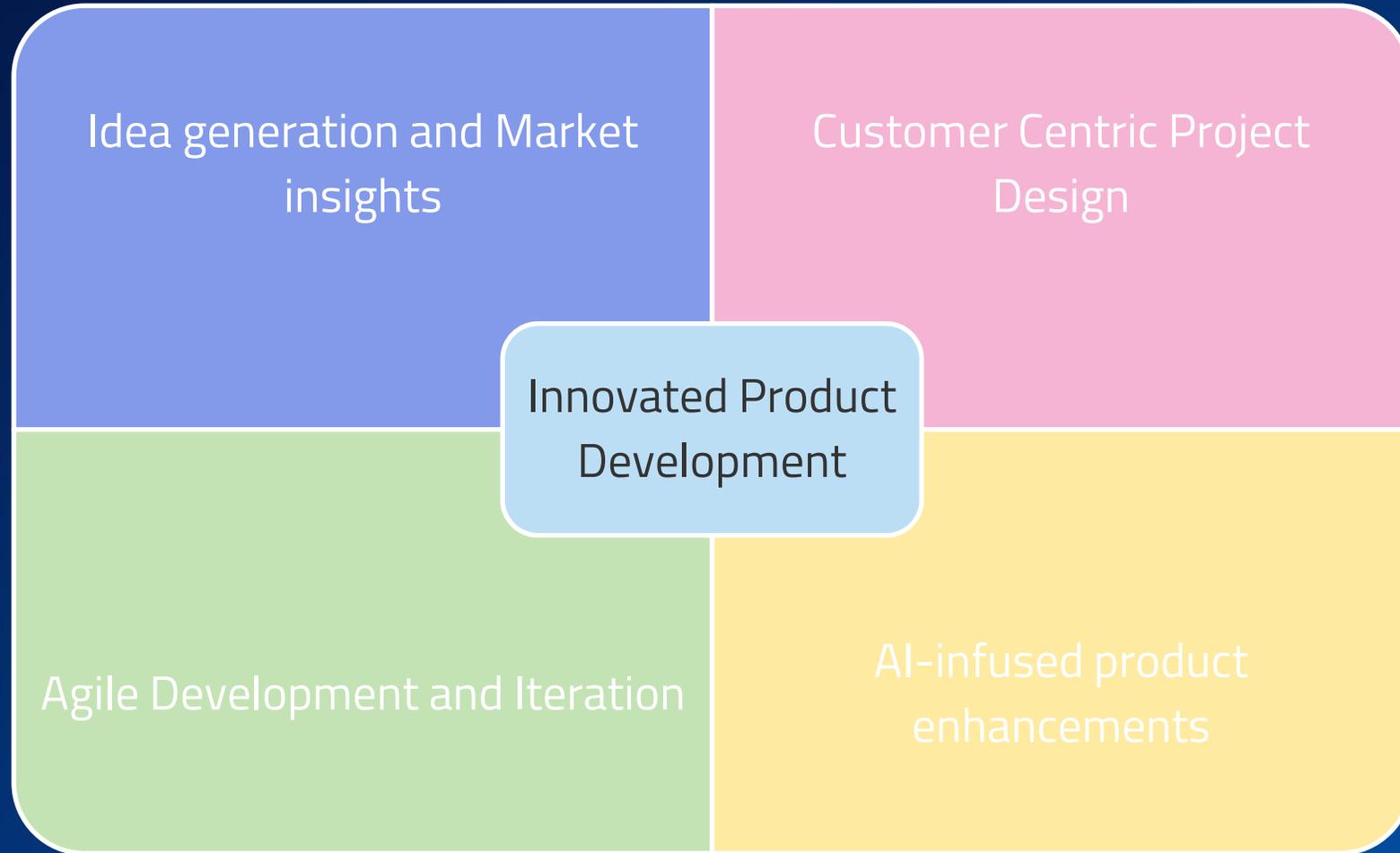


Figure 3. Innovative product development.



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Challenges and Opportunities for Educators

Adapting to Change

Teachers and professors must evolve alongside technological advancements, adapting curriculum and teaching methods to prepare students for the future.

Integrating AI in Classrooms

Educators can use AI tools for personalized learning, grading, and curriculum development, enhancing both teaching efficiency and student outcomes.

Bridging the Skills Gap

There is an urgent need to bridge the skills gap by aligning educational outcomes with the demands of the digital economy.





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Preparing Future Innovators

Fostering Creativity and Critical Thinking

Future-ready education encourages students to think critically, solve real-world problems, and innovate responsibly with technology.

Multidisciplinary Learning

Educators should promote collaboration across subjects—merging tech, ethics, business, and the humanities—to develop well-rounded innovators.

Lifelong Learning Mindset

Encouraging continuous learning prepares students to adapt in a rapidly evolving technological landscape.





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Real-World Examples in Education & Innovation

MIT's AI Lab + Education

Combines research with curriculum innovation to prepare students for AI-enhanced industries.

Coursera & AI Upskilling

Online platforms use AI to tailor learning and reach global learners.

AI Startups in EdTech

Companies like Squirrel AI revolutionize personalized learning.



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How can educators lead the transformation?





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Sources & Further Reading

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