

Agentic AI for Teaching and Learning: How Agentic AI is Redefining Learning & Economic Opportunity

15th April 2026

Keynote Session

Faiz Bashir,
CEO, FlexiSAF



★ FEATURED SPEAKER & EXHIBITOR

From Content to Agents: How Agentic AI is Redefining Learning & Economic Opportunity

- ✓ The evolution from static content to intelligent learning agents
- ✓ AI as infrastructure for national skills & workforce development
- ✓ Empowering a new generation of knowledge entrepreneurs
- ✓ Practical deployment of Agentic AI in education ecosystems



Faiz Bashir

CEO, DISTINCTION LABS

Co-Founder, FlexiSAF

Agentic AI

EdTech

AI Infrastructure



LinkedIn

The Age of AI has begun

Artificial intelligence is as revolutionary as mobile phones and the Internet.

By **Bill Gates** | March 21, 2023 • 14 minute read



AI Is the Most Revolutionary Technology in Decades - Bill Gates



“The development of AI is as fundamental as the creation of the microprocessor, the personal computer, the Internet, and the mobile phone. It will change the way people work, learn, travel, get health care, and communicate with each other. Entire industries will reorient around it.”



AI Is the Most Revolutionary Technology in Decades - Bill Gates



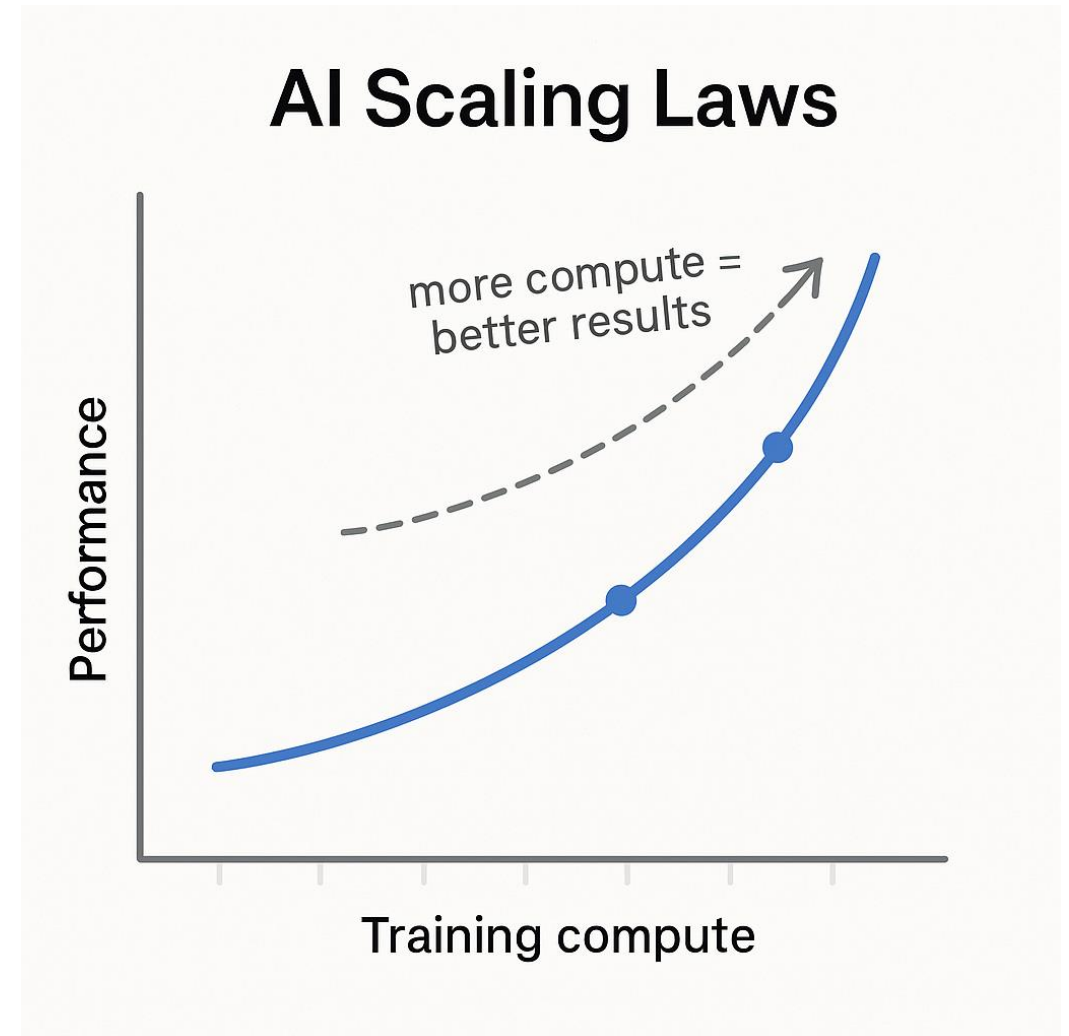
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AI Scaling Laws

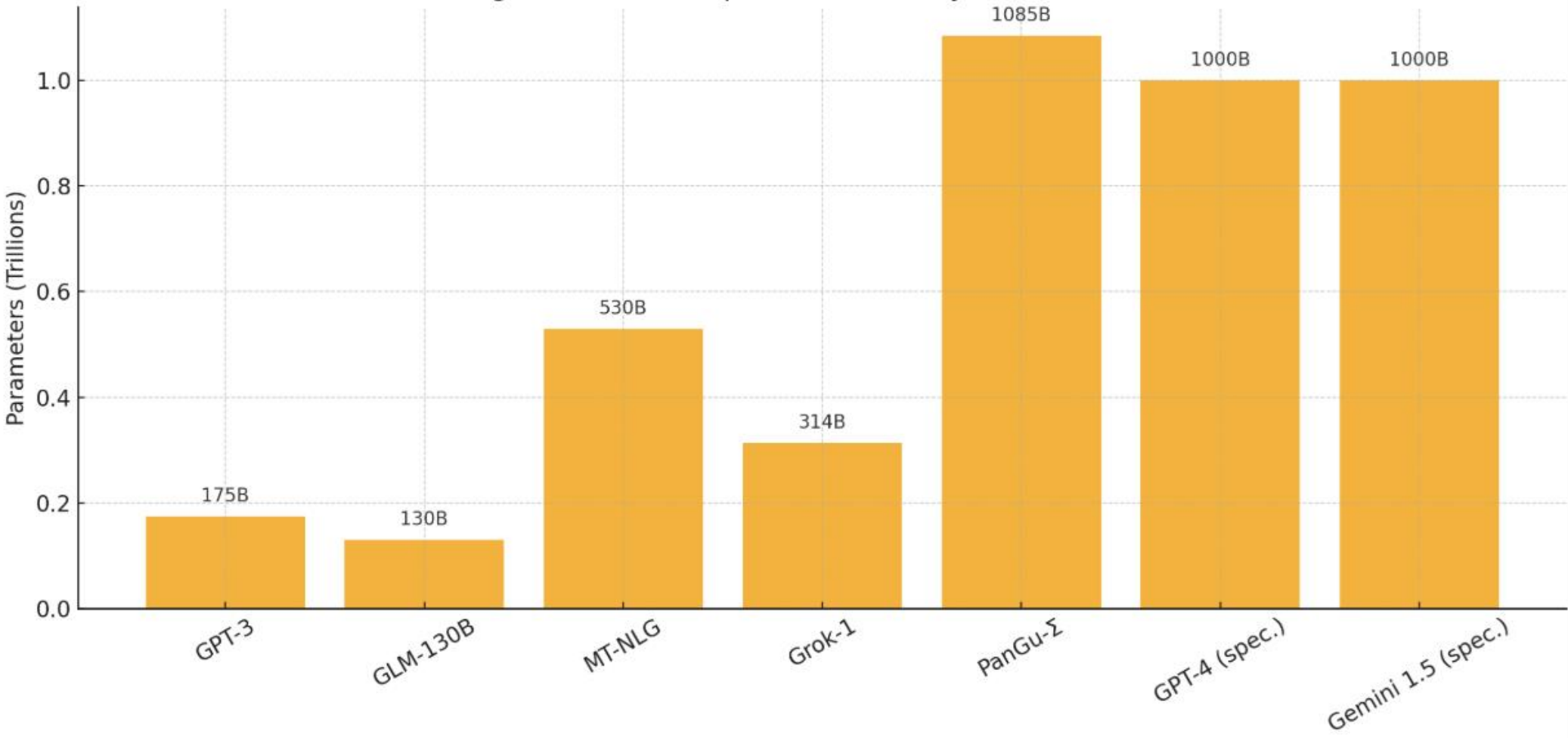
AI Scaling laws describe how the performance of AI models increases with model size, data volume, and training time

Key Components of AI Scaling Laws

1. **Model Size (Parameters):**
2. **Dataset Size:**
3. **Compute Power:**



LLMs by Parameter Count



The Rise of Deep Learning and LLMs

2010s: Breakthroughs in Deep Learning

- **2012** – AlexNet wins ImageNet with deep CNNs, revitalizing neural networks.
- **2013** – **Word2Vec** (Mikolov et al.) introduces vector representations of words.
- **2014** – **Seq2Seq** and **Attention Mechanism** proposed, improving language tasks.
- **2015** – **Transformer architecture** introduced by Vaswani et al. in “*Attention is All You Need.*”

Evolution of LLMs (2018 - Present)

Year	Model & Developer	Milestone
2018	BERT (Google)	Bidirectional context understanding; pre-training + fine-tuning.
2019	GPT-2 (OpenAI)	Text generation with 1.5B parameters; first glimpse of GPT power.
2020	GPT-3 (OpenAI)	175B parameters; few-shot learning revolution.
2021	MT-NLG (Microsoft/NVIDIA)	530B parameters; largest model at the time.
2022	PaLM, Chinchilla, GLaM (Google, DeepMind)	Efficiency-focused LLMs.
2023	GPT-4 (OpenAI)	Multimodal capabilities, few details revealed publicly.
2023–2024	Claude, Gemini, LLaMA-2/3	Rise of open-source and safe, conversational AI.
2025	PanGu- Σ , Gemini Ultra, etc.	Models surpassing 1 trillion parameters; real-time applications.

Ai Agent



Model
Agent
Tool
Memory
Knowledge



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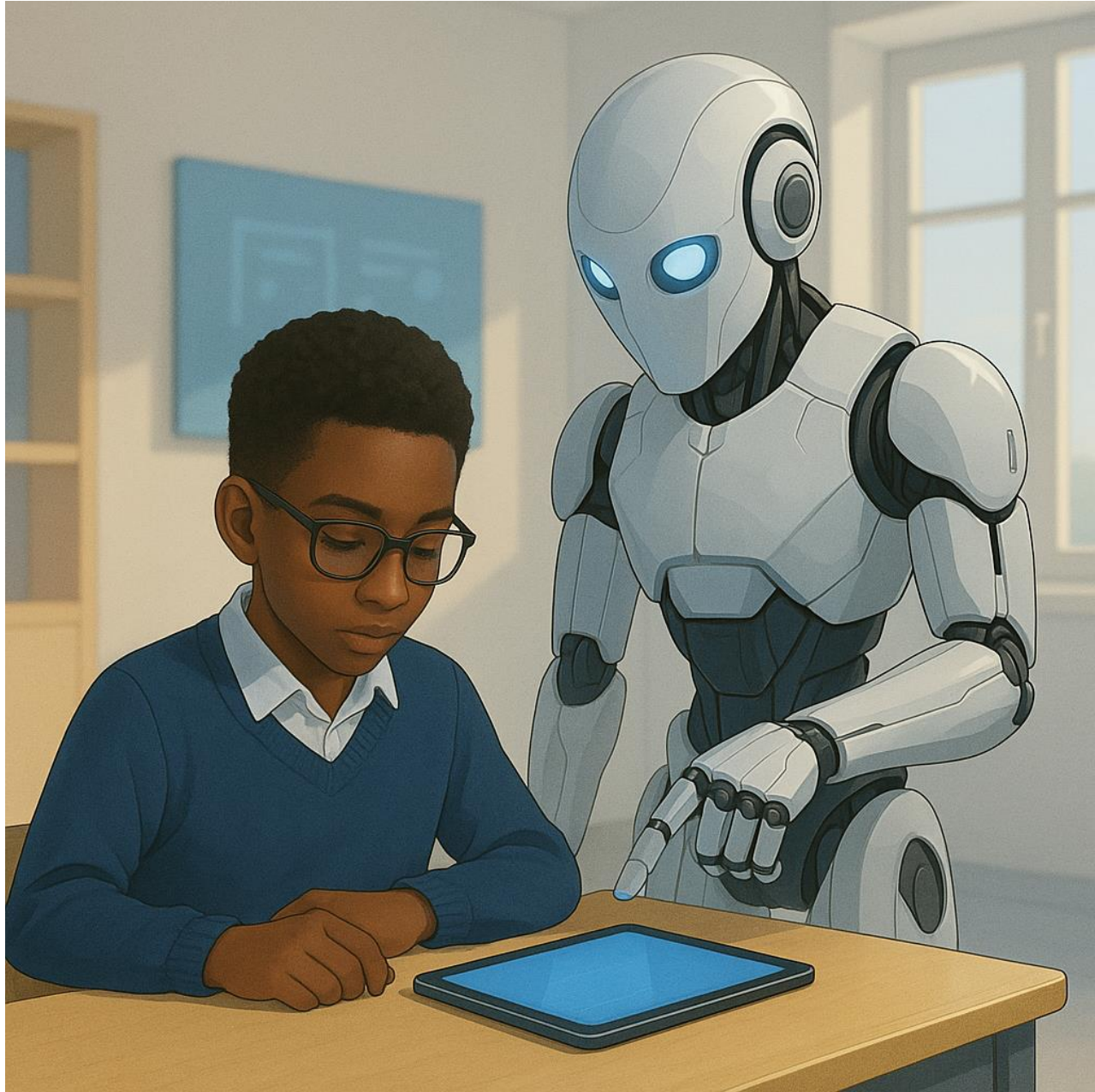
AI in Education



UNIVERSITY OF
OXFORD

First UK university to offer ChatGPT Edu to all staff and students





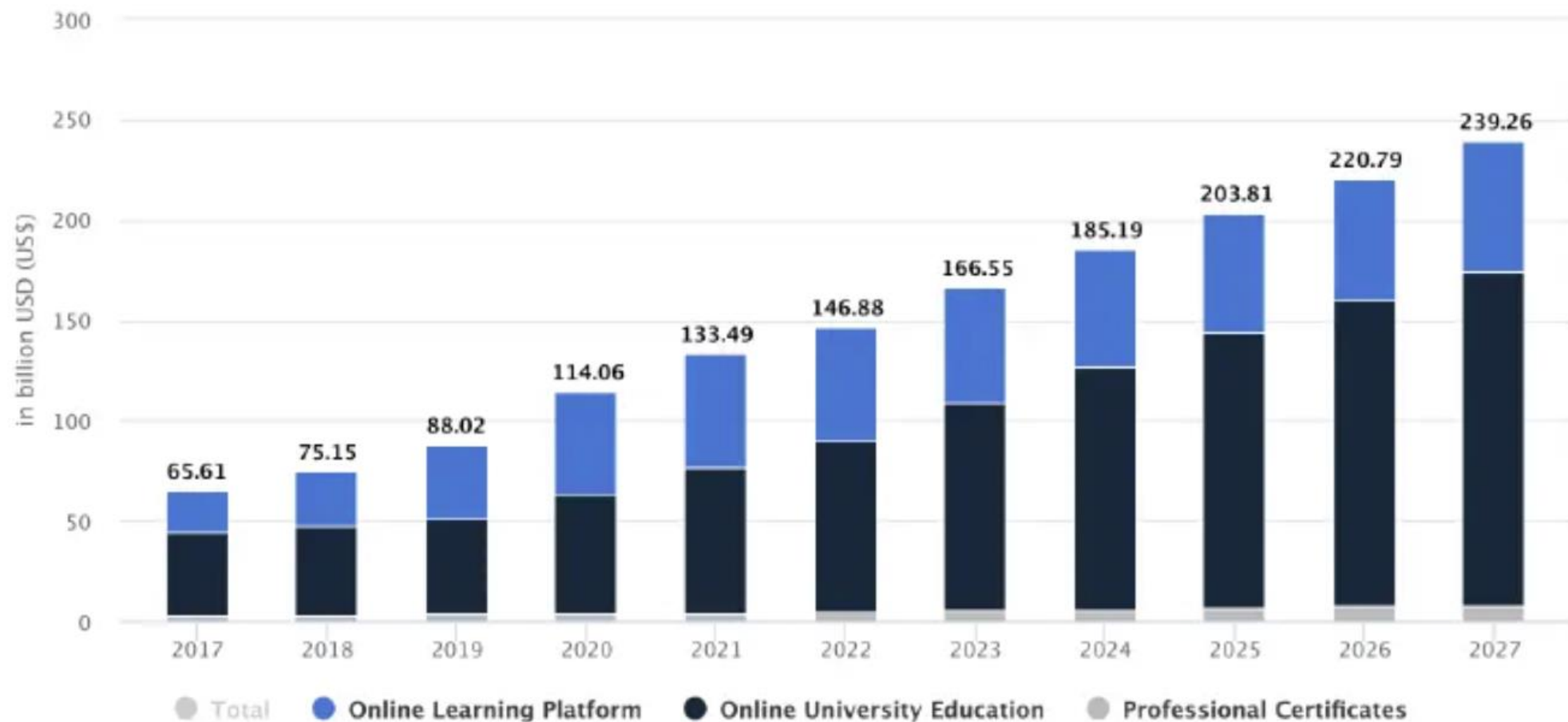
The Future: Connected Education



Technology will enable seamless management of institutions and enhance student experience. Learning won't be restricted by physical boundaries. The focus will be on enabling learners to pursue passions and maximize strengths.

Revenue in the Global Online Education Market

2017- 2027



AI in Education

- Content Generation
- Personalized Learning
- Automated Grading and Feedback
- Adaptive Assessments
- Data Analysis and Insights
- Language Translation and Accessibility



AI in Research

1. Accelerating Literature Review and Discovery
2. Advanced Data Analysis and Modeling
3. Reviewing, and Proofing Assistance
4. Automated Transcription
5. Personalized Research Assistants
6. Research Integrity and Plagiarism Detection



Africa is the next wave of economic development

Education plays a crucial role in economic development.

It enables human capital development, drives innovation & entrepreneurship and strengthens institutions.

Challenges Faced by Lecturers and Students

01

Cumbersome and time-consuming content development by lecturers

02

Marking and grading of students

03

Limited access to digital content by students in line with their curriculum

04

Lack of personalized learning analytics and feedback



THE AGE OF
ai



About FlexiSAF/Distinction

FlexiSAF is a leading Learning and Development company that enhances teaching and learning, empowering millions of students and educators across institutions, and provides capacity development and strategic transformations to organizations through the use of innovative software and technology solutions.

15+

Years of
experience

140+

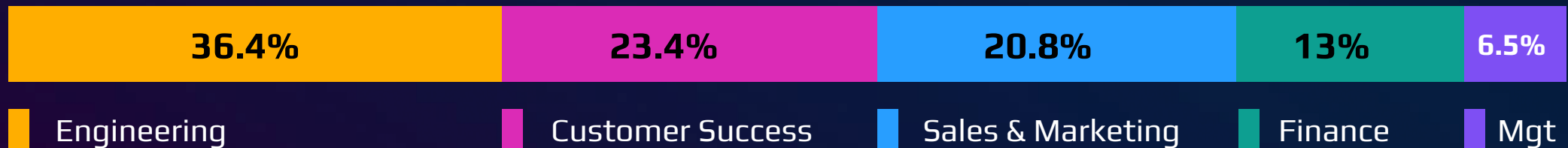
Tertiary
Institutions

700+

Primary &
Secondary
Schools in
Africa

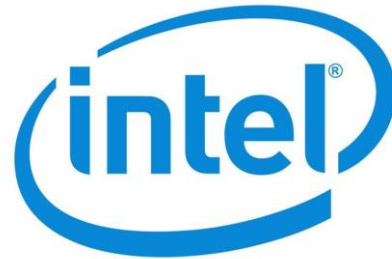


100+ SAFstars passionate about transforming Education



Partnerships and Collaborations

NELFUND



Thank you!

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