

An empowered approach to Education

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An Empowered Future for Education

Digital Technology has showed us that any **physical process that is digitised** will thereafter follow Moore's Law in terms of resulting value that the new process delivers, **providing the right conditions for exponential growth**

Overview

Adapt or Die

We Are At The Crossroads

An Invitation to Re-Imagine Education

The Bonus

Parting Shot

Snapshot on Mfundopedia

Creating Innovation for Competitiveness



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Rendani Tshivhase

If it is complex and difficult, I provide safe hands that can be trusted to deliver outcomes with speed








Snapshot of experience

- Founder and MD for Mfundopedia (Pty) Ltd, a technology business leading sustainable digital transformation in multiple industry verticals where we drove over 150% growth in the last 5 years
- A self-starter with a curious mind who demonstrates safe hands that can be trusted with the most difficult problems
- Demonstrated CxO advisory in both public sector and private business
- Seasoned executive having help multiple C-level positions driving operational excellence and financial oversight
- I am passionate about using technology to solve South Africa's problems across sectors such as education, infrastructure management and the digitisation of businesses in order to improve efficiency, productivity and profitability.

In 2024, it is no longer ‘make believe’ seeing technology company valuations in excess of trillions of dollars

It is this very reality that at Mfundopedia we strategically pivoted our business to creating innovation for competitiveness, we eat our own dog food too given that our internal business value chains are driven through digital technology helping us improve our operations and co-innovation with our customers and our ecosystem of partners.

STRATEGIC INNOVATIONS	DESCRIPTION
 SecureSign	Advanced electronic signature solution designed to streamline processes by enabling secure, efficient, and legally binding electronic signatures. The solution allows for improved efficiency for institutions through the elimination of cumbersome paper processes
 Debtors Central	Allows higher learning institutions to manage allocated debtors, provides built-in intelligence for preventative schemes in cases where it realises that a debtor has high propensity not to pay an invoice or invoice has aged for too long - providing automated collection mechanisms.
 Cybersecurity	Through a strategic partnership with BlackBerry’s, we offer reliable technology and enhance businesses’ cybersecurity and crisis management capabilities. We offer innovative solutions to protect data, files, and endpoints.
 MFP Secure Pay	We enable institutions looking to facilitate smooth, secure, and efficient transactions. MFPSecurePay is designed to allow institutions to process online payments seamlessly by integrating with point-of sale (POS) systems and providing instant feedback on payment statuses.
 MFP Connect	Facilitates effective collaboration within the community environment such as a learning institution, more importantly we have corporate clients that use it as standard mass notification tool (a use case also applicable to education)

Education is in our core, given our name Mfundopedia provides a clear commitment to learning.

Adapt or Die

The Education Archetype in a Digitally Disrupted world



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The world economic forums suggests that digital technology will unlock in excess of \$100 trillion for both business and society

Background and context



Education suffers due to historical challenges, geographical challenges, differing wealth conditions across SLM groups. All these challenges present themselves in fundamentally different ways for each family, and community



Education is a secret ingredient to a thriving environment; we have not improved education in a meaningful way since 1994 due to many reasons



Our economy remains under pressure with a view that we are not producing the right skills with regards to market demands



Unemployment is at an all-time high, and not getting better in the short-term



A growing and frustrated young population without access to opportunities

...Going nowhere slow

There is no silver bullet, but there's light at the end of the tunnel as suggested by common research on the topic.

But, if we don't act:



Our country will continue to suffer from poor macroeconomics and GDP growth pressures



Increasing societal pressure due to lack of access to opportunities, the looting spree in recent years is a clear warning sign

We are at crossroads, and we must answer the right question:

How might we re-imagine education for an empowered future in a digitally disrupted world?

Re-Imagine Education

Disrupt your environment



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There is no silver bullet, but there's light at the end of the tunnel as suggested by common research on the topic

We conclude that “an empowered future of education”...

involves harnessing the power of technology, innovation, and inclusivity to create personalised, accessible, and effective learning experiences for all



Personalised learning

Personalised learning through AI powered gamification platforms that drive learning through action/practice



always-on digital environment

Leveraging the always-on digital environment to remove the “digital divide” that currently advantages learners in high opportunity areas and failing those from areas with poor infrastructure



Creativity and Collaboration

A bigger bias towards critical thinking skills and creative problem-solving that will see the economy accelerate capacity compared to the achievement mindset linked to simply learning so you are the best in class, or have the best degree etc



Meet Your Twin

Take advantage of digital technology such as AR/VR to bring to life the concept of a Digital Twin to higher learning institutions environment. This will allow learners who cannot access infrastructure such as labs, test tubes etc to have the ability to experience the same through digital means. This will drive down the cost of providing education lower, allowing for education budgets to be stretched further



Innovate for Accessibility

Doubling down on digital to address accessibility challenges because we don't learn the same and our disabilities are unique and requires a more personalised approach to learning



Insights-led Learning

Data insights driven learning, where the teaching is based on how best the learner receives and absorbs knowledge

There is no silver bullet, but there's light at the end of the tunnel as suggested by common research on the topic - Continued



Remove Digital Divide

Digital presents us with an opportunity to connect our higher learning institutions and ensure that we turn pockets of excellence into a standard success across all institutions (even when some institutions don't have the best educators or infrastructure)



Rewards-driven Education

Incentives driven learning environment where a learner can earn rewards/credits as they show better understanding of concepts, creating the right conditions for self-motivation for continued learning



Human+

Imagine AI bots as your tutor?

The Bonus

Disrupt yourself



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This is all well and good, but what is the implication of this in terms of how we show up as educators on a day-to-day basis with regards to our own development as educators so we are empowered to lead with impact?

Our educators must build new skills that foster a collaborative, innovative and inspiring learning environment. Some items, non-exhaustive, to consider into your toolbox



Digital Fluency

Ensuring that digital concepts are understood and respective knowledge sharing digital ways of working / behaviours become the norm. The ultimate goal is digital mastery, where each educator and the education archetype is in general a seasoned practitioner on the latest digital topics such as robotics, Generative AI, etc.



Design Thinking

Enabling educators to bring the learning environment to life by collaborating with learners and taking away the old misconception that the educator knows everything, in reality you (we) don't know much!



Data Insights

Informing what we teach and how we teach and who we teach, and the specifics on best content delivery for the individual taking into account their learning style. Further continuous improvement realised from the feedback loop coming out of this process - you never improve without feedback



Storytelling

A critical skill and even more relevant today given the speed of digital disruption, this train is waiting for no one

Parting Shot

Let's create the future, today through effective leverage of digital technology



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Partner with MFP and guarantee yourself a successful digital transformation

We are fire starters, disrupters at the core, our clients however see us as 'safe' and 'trusted'

Are you in?

Thank you

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