



Fostering Organisational Resilience and Adaptive Management in Enterprises

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AN OVERVIEW OF ADAPTATIVE MANAGEMENT

Adaptive management, also known as adaptive management or adaptive environmental assessment and management, is a structured, iterative process of decision making in the face of uncertainty, with an aim to reducing uncertainty over time via system monitoring. In this way, decision making simultaneously meets one or more resource management objectives and, either passively or actively, accrues information needed to improve future management. Adaptive management is a tool which should be used not only to change a system, but also to learn about the system (Holling, 1978).

Because adaptive management is based on a learning process, it improves long-run management outcomes. The challenge in using the adaptive management approach lies in finding the correct balance between gaining knowledge to improve management in the future and achieving the best short-term outcome based on current knowledge (Allan & Starkey, 2009)

Adaptive management requires rapid cycles of planning, learning, adapting and re-planning, all carried out within a wider system and needed mindset that encourages and validates continuous change.

If we see enterprises as boats, they must navigate obstacles and need to shift weather patterns on the way to its destination, often changing direction and at times even going backwards. A complex intervention requires project teams to shift the boat course to adapt to emerging threats and capitalize on opportunities, while keeping their eye on the ultimate destination. Conceptually, this is quite easy to understand. But in practice it can be challenging.

The 3 overall steps for using adaptive management processes are:

REVIEW processes: to provide accurate and timely information about both performance and the external operating environment.

REFLECTION processes: to create space to make sense of available information and for implementers to update their understanding of what is needed to achieve results

RESPONSE processes: to include formal and informal mechanisms to change course as required.

The fundamental characteristic of being adaptive in the face of change is being able to remain flexible and embrace agility to achieve success in a given situation, which is why it is called an adaptive mindset.

Adaptability in business is the ability of an employee to:

- look at a current scenario,
- visualize and accept new ideas or thoughts,
- and accept changes in order to continue growing.

Adaptive reasoning, which is the act of being able to change as a situation changes, is important in business because it makes you a more valuable employee. It strengthens your leadership skills and makes you a more wellrounded individual, personally and professionally. It prepares you to overcome adversity and prepares you for life's changes, whether it's handling a career change well or lessening your feelings of frustration and anger when necessary.

Among the benefits of having an adaptive mindset we can find:

Adds value: As things change so quickly, being responsive and willing to change is an important trait in a valuable workforce. If your boss comes to you with a new idea, stick to it and give it all, do not waste your time thinking of all the reasons why you should not get involved. Strengthens leadership skills: Leadership and business management require adaptability. Strong leaders anticipate change, lead it, and gain buy-in from those around them to help make it successful. Increases happiness: Being stuck in "your ways", both personally and professionally, can lead to several unpleasant feelings when change occurs (anger, frustration, hopelessness). Embracing an adaptive mindset opens you up to greater happiness because you feel more equipped to handle the changes that may come. Facilitates a career changing mindset: Jobs change, responsibilities

change, companies change. An adaptive mindset prepares you for changes in your professional life, whether a company you work for closes or you choose to pursue a completely different career path.

It is the antidote to adversity: Have you ever met someone who never seems to be disturbed or frustrated by the changes going on around them? Chances are you've developed an adaptive mindset, an understanding of how to embrace change and deal with the bumps. Adaptability allows you to be more resistant to change.

In conclusion, although people differ greatly in terms of aptitudes, talents, intelligence, creativity...everyone can change and improve through practice and experience.



ADAPTATIVE MANAGEMENT IN ENTERPRISES

Adaptation and survival often go hand in hand. Or in other words, "adapt or die" may seem like a harsh directive we have been particularly hearing after the during and after the pandemic. There does seem to be a certain necessity to constantly move forward and adapt to new market opportunities, a scenario that has been highlighted after the pandemic and recent war in Ukraine. It now seems that even decades of success are no guarantee that the future will work out.



Upskilling and adaptability. These are the key factors that will decide the most immediate future of companies after the impact that the COVID-19 and the war in Ukraine crisis has had on the economy around the world. And it is that, in a context as complex as the one we find ourselves in, where uncertainty is part of everyday life, one of the competitive advantages of any organization is, no doubt, its ability to develop mechanisms and processes to cope with all the changes we must deal with

Adaptive management can proceed as either passive or active adaptive management (Holling, 1978 and Walters 1986):

• Passive adaptive management values learning only insofar as it improves decision outcomes (i.e. passively), as measured by the specified utility function.

Active adaptive management explicitly incorporates learning as part of the objective function, and hence, decisions which improve learning are valued over those which do not.

In both cases, as new knowledge is gained, the models are updated and optimal management strategies are derived accordingly. Thus, while learning occurs in both cases, it is treated differently. Often, deriving actively adaptive policies is technically very difficult, which prevents it being more commonly applied.

From an active adaptive management view, we hereby propose 6 steps to implement adaptive management in a company (adapted from Indeed editorial team, 2023):

Step 1: ASSESS: The first step in the adaptive management process is to assess and define the situation that you want to improve. Here are some tips:

- Think of multiple types of assessments to better understand the variables that affect a certain situation.
- Consider using tools and techniques that focus on learning (i.e.: rubrics or checklists).
- Include risk measurement in your assessment,
 where you evaluate the possible the risks that
 might accompany your plan.
- Compare the risks to the sustainable benefits of the action in your plan.

 Step 2: LEARN: Entering the process with a mindset open to learning can help adapting easily and avoiding biased perceptions and inaccuracies. Instead, you can focus on a systematic approach to more effective management.



 Step 3: DESIGN: You can design your improvement plan to be precise, yet flexible so you have alternatives in case of unexpected occurrences. It's, important to identify your stakeholders, so you can consider their concerns and opinions. Details are helpful at this stage, including goals, assumptions, strategies, and actions.

 Step 4: IMPLEMENT: This often involves experimenting with alternative solutions to issues. including potential new policies that may better protect and sustain them. Another useful practice is to designate partnerships with your stakeholders. (for example, including managers, scientists, government officials...etc).



 Step 5: MONITOR: Structured monitoring comprises rigorous metrics and an integrated series of influences you can incorporate into your You observations. might consider all external variables, such as economic and social factors.

• Step 6: EVALUATE: After the monitoring phase, you can evaluate the results. It is important to determine the effectiveness of your plan by measuring the progress you make toward your objectives. Look for progress rather than one specific result. It is important to adjust the plan according to what you learned from the process.

In the last century and a half, the world has suffered 13 economic crises. We have all learned to live with them and assume that they are an inherent part of our economic system. However, the coronavirus followed by the war in Ukraine have brought a different recession that has changed our questions. Companies like ASOS, Airbnb, Tesla or ZOOM can show that, despite the uncertainty, some companies are pleasantly surprising with their flexibility in dealing with change. Those that have been able to adapt in time have not only not seen their income statement affected but have been able to continue growing during uncertainty.

In conclusion, upskilling and adaptability are the key factors that will decide the most immediate future of companies during crisis. And it is that, in a context as complex as the one we find ourselves in, where uncertainty is part of everyday life, one of the competitive advantages of any organization is lies in ability to develop mechanisms and processes to cope with all the changes we must deal with.

EMBRACING RISK AND UNCERTAINTY: LEADERSHIP STRATEGIES FOR NAVIGATING THE UNKNOWN

In today's dynamic business environment, leaders must navigate the challenges of risk and uncertainty to drive success. Understanding the difference between risk and uncertainty is crucial, as it lays the foundation for effective decision-making. This article explores the distinction between risk and uncertainty, emphasizes the role of leadership in embracing risk and uncertainty and provides strategies for leaders to navigate the unknown with confidence.

Differentiating Risk and Uncertainty

Risk and uncertainty are two distinct concepts that leaders must comprehend:

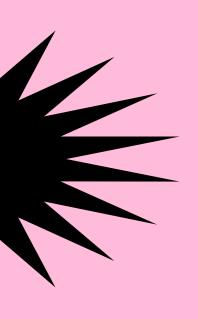
Risk: Risk refers to unplanned events that may impact organisations' objectives. It can have either a positive or negative effect on the organisation. Positive risks, also known as opportunities, can lead to favorable outcomes, while negative risks, or threats, pose potential challenges. Risks can be assessed, measured and managed using various techniques and tools.

Uncertainty: Uncertainty, on the other hand, represents a lack of complete certainty. It arises when the outcome of an event is entirely unknown and there is a dearth of background information to make informed predictions or assessments. Uncertainty cannot be measured or guessed accurately, making it a more complex and challenging concept for leaders to navigate.

Mindset Shift: Embrace a Learning Orientation

Leaders need to shift their mindset from being the one who "knows it all" to becoming a continuous learner. Recognizing that uncertainty demands ongoing learning, leaders should actively seek knowledge, stay curious and encourage their teams to do the same. Through fostering a learning orientation, leaders promote adaptability, innovation, and the ability to thrive in uncertain environments.





Embrace Mistakes as Learning Opportunities

Leaders should create a culture that views mistakes as valuable learning opportunities. Encouraging a growth mindset within the organisation enables individuals to take calculated risks, experiment, and learn from failures. Leaders can foster resilience, creativity and a willingness to embrace uncertainty by reframing mistakes as valuable stepping stones toward improvement,

Break Challenges into Workable Components

When faced with uncertainty, leaders can approach challenges by breaking them down into smaller, more manageable components. Leaders can empower their teams to tackle them incrementally by dissecting complex problems into workable parts. This approach fosters a sense of progress, provides a clearer path forward and mitigates feelings of overwhelm in the face of uncertainty.

Delegation and Collaboration

Leadership in uncertain times requires a reliance on teams and effective delegation. Leaders can distribute decision-making and problem-solving across the organisation, empowering team members with appropriate authority and responsibilities. Delegation fosters collaboration. maximizes collective expertise and enables agile responses uncertain situations.

Compassionate Management in Uncertain Environments

Leadership in uncertain times necessitates compassionate management strategies. Here are some key practices:

Model Self-Care: Leaders should prioritize their own well-being as a foundation for leading effectively in uncertain situations. Through demonstrating self-care and setting boundaries, leaders create a healthy work culture that encourages others to prioritize their well-being as well.

Attend to Team Needs: Leaders should proactively inquire about and address the needs of their team members. Leaders can create a sense of psychological safety and support the well-being and productivity of their teams by providing support, resources and guidance,

Focus on Controllable Factors: In uncertain environments, leaders should encourage their teams to focus on what can be controlled rather than fixating on uncontrollable factors. Leaders foster a sense of empowerment and proactive problem-solving by emphasizing areas of influence and identifying actionable steps.

Embracing risk and uncertainty is a critical aspect of leadership in today's dynamic business landscape. Understanding distinction between risk uncertaintu and adopting strategies for embracing the unknown is key for leaders to navigate uncertain environments with confidence. Through mindset, embracing mistakes. breaking down challenges and practicing compassionate management, leaders empower their teams to thrive amidst uncertainty, drive innovation, and achieve long-term success.



SYSTEM UNCERTAINTY

System uncertainty is a concept that refers to the unpredictability and potential risks associated with complex living systems, including enterprises. In the context of business, uncertainty arises from factors that cannot be foreseen or accurately measured, making it challenging for organizations to make informed decisions and develop effective strategies. This article explores the various levels of uncertainty and strategies to cope with it, with a focus on leveraging uncertainty as an advantage and utilizing multi-model inference approaches for decision-making.

UNDERSTANDING THE LEVELS OF UNCERTAINTY

Predictable Future

At this level of uncertainty, enterprises can anticipate and foresee impactful events to some extent. Organizations rely on their traditional strategies and decision-making frameworks to identify potential risks and take necessary measures to mitigate them. The emphasis is on utilizing historical data and past experiences to make informed decisions for the future.

Multiple Futures

When facing a higher degree of uncertainty, enterprises must identify a range of possible scenarios that are likely to occur. Scenario planning and risk assessment play a crucial role in this level of uncertainty. Through analyzing various potential futures, organizations can assess the associated risks and returns, enabling them to make more informed decisions and develop strategies that are flexible enough to adapt to different scenarios.

Alternate Futures

In situations where multiple outcomes are possible, enterprises can identify a set of possible scenarios and assign probabilities to each scenario based on available information. Through assessing the likelihood of each scenario, organizations can act accordingly and implement strategies that align with the most probable future outcome. This approach helps businesses prepare for different potential scenarios.

Uncertain Future

At this level, enterprises encounter a high degree of uncertainty where events and risks are difficult to predict. In such circumstances. traditional decisionmaking frameworks may become inadequate. Organizations must acknowledge the limitations of their ability to foresee the future accurately and explore alternative strategies to navigate through uncertainty.

Leveraging Uncertainty Advantage

Uncertainty Advantage is a business strategy that involves leveraging times of uncertainty to launch innovative solutions and discover or expand new market opportunities. This approach aims to create more sustainable ways of conducting business in an unstable environment. Organizations can position themselves to adapt to changing circumstances by embracing uncertainty, identify untapped opportunities and gain a competitive edge over others who are more risk-averse.

Strategies for Coping with System Uncertainty

To enhance their readiness and capabilities in dealing with an uncertain future, enterprises can adopt various strategies:

Multi-model Inference Approaches

Multi-model inference approaches provide mathematical support for decision-making by considering multiple models or scenarios simultaneously. This method helps organizations evaluate the uncertainties associated with different models and make more informed predictions about possible future scenarios. Enterprises can assess the potential outcomes and uncertainties associated with each scenario by utilizing mathematical techniques, such as statistical modeling and simulation, enabling them to develop robust strategies.

Agile and Adaptive Strategies

In uncertain environments, enterprises need to adopt agile and adaptive strategies. This involves fostering a culture of innovation, encouraging experimentation, and embracing change. Being adaptable, organizations can quickly respond to emerging opportunities or threats, adjust their strategies accordingly and maintain a competitive advantage.

Collaboration and Networking

In uncertain times, collaboration and networking play a crucial role in managing uncertainty. Enterprises can share resources, expertise, and insights by forming partnerships, alliances and networks with other organizations. Collaborative efforts help in collectively addressing challenges, poolina knowledge and leveraging collective intelligence navigate to through uncertainty.

Aside from keeping people informed, beautifully designed booklets can also be brought home as a keepsake. These visually appealing platforms are easy to distribute as well, and can be handed out during expos and other events, making your brand truly memorable.



CONCLUSION

System uncertainty poses challenges for enterprises, making it difficult to predict and measure potential risks and events accurately. Organizations can enhance their ability to cope with an uncertain future by understanding the levels of uncertainty and employing appropriate strategies. Embracing uncertainty as an advantage and utilizing multimodel inference approaches can provide valuable insights for decision-making. Fostering agility, adaptability and collaboration enables enterprises to navigate through uncertainty and seize new opportunities, ensuring their sustainability in an ever-changing business landscape.

BUSINESS DATA COLLECTION AND ANALYSIS



In today's digital age, businesses collect vast amounts of data from a wide range of sources, including websites, social media, customer feedback, and sales transactions. This data can be used to gain valuable insights into customer behavior, market trends, and performance. business However. collecting and analyzing data is a complex process that requires careful planning and execution.





The first step in collecting and analyzing business data is to identify the sources of data that are most relevant to the business. This can include website analytics, customer surveys, social media monitoring, and sales data. Once these sources have been identified, it's important to determine the types of data that will be collected, such as demographic information. purchase history, and product preferences.

The next step is to develop a data collection plan that outlines the methods and tools that will be used to collect the data. This may include web analytics tools, survey software, or data visualization software. The plan should also include guidelines for data storage and security, to ensure that the data is protected compliant and regulations such as GDPR and CCPA.



Once the data has been collected, the next step is to analyze it to gain insights that can be used to improve business performance. This can involve a range of techniques, such as statistical analysis, data visualization, and machine learning. The goal is to identify patterns and trends in the data that can be used to inform business decisions.

One of the key benefits of data analysis is the ability to gain insights into customer behavior. By analyzing customer data, businesses can identify trends in purchasing behavior, preferences, and demographics. This information can be used to develop more targeted marketing campaigns, improve product offerings, and enhance the customer experience.

Data analysis can also be used to identify areas of the business that are underperforming or experiencing problems. For example, if sales data shows a decline in a particular product line, the business can investigate the reasons for the decline and take steps to address the issue. Similarly, if customer feedback reveals dissatisfaction with a particular aspect of the business, such as customer service, the business can take steps to improve the service offering.

Another benefit of data analysis is the ability to predict future trends and events. By analyzing historical data and identifying patterns, businesses can make predictions about future market trends, customer behavior, and business performance. This can help businesses make more informed decisions about product development, marketing, and business strategy.

However, it's important to note that data collection and analysis can also present challenges. One of the biggest challenges is ensuring data quality and accuracy. This can be particularly difficult when dealing with large amounts of data from multiple sources. It's important to have processes in place to ensure that data is clean, consistent, and accurate.





Another challenge is the need for skilled data analysts and data scientists. Data analysis requires specialized skills and expertise, and businesses may need to invest in training or hiring staff with these skills. Additionally, data analysis can be time-consuming and complex, and businesses may need to allocate resources to ensure that the process is carried out effectively.

In conclusion, data collection and analysis is a critical process for businesses that want to stay competitive in today's digital age. By collecting and analyzing data, businesses can gain valuable insights into customer behavior, market trends, and business performance. However, it's important to have a clear plan and processes in place to ensure that data is collected and analyzed effectively. With the right approach, businesses can use data analysis to inform decisions and drive success.



ORGANIZATIONAL LEARNING

Organizational learning is the process by which an organization improves its performance and effectiveness by acquiring, interpreting, and applying knowledge. This can include new skills, processes, systems, or technologies. In today's rapidly changing business environment, organizational learning has become a critical component of success.



One of the key benefits of organizational learning is that it helps businesses adapt to changing conditions. Whether it's a new competitor, a shift in the market, or a technological disruption, organizations that are able to learn quickly and adapt to these changes are more likely to survive and thrive. In contrast, organizations that are slow to learn and change may find themselves left behind.

There are several different approaches to organizational learning, including single-loop learning, double-loop learning, and triple-loop learning. Single-loop learning involves making incremental improvements to existing processes and systems, while double-loop learning involves questioning and rethinking underlying assumptions and paradigms. Triple-loop learning takes this a step further, by challenging not just assumptions but the entire framework or model being used.

One of the keys to successful organizational learning is creating a culture that supports it. This means fostering an environment where employees feel safe to experiment and take risks, and where mistakes are seen as opportunities for learning and improvement. It also means providing employees with the tools and resources they need to learn, such as training programs, mentoring, and access to knowledge management systems.

Another important aspect of organizational learning is knowledge management. This involves capturing, storing, and sharing knowledge within an organization, so that it can be easily accessed and used by others. Knowledge management can take many forms, including wikis, databases, and social networks. The goal is to create a culture of knowledge sharing, where employees are encouraged to share their expertise and insights with others.

Organizational learning can also be supported by technology. For example, online learning platforms and mobile apps can provide employees with ondemand access to training and development resources. Augmented reality and virtual reality can be used to simulate real-world scenarios and provide immersive learning experiences. And artificial intelligence and machine learning can be used to analyze data and provide insights that can inform decision-making.





Finally, it's important to measure the effectiveness of organizational learning initiatives. This can be done through metrics such as employee satisfaction, productivity, and innovation. By tracking these metrics, organizations can determine whether their learning initiatives are having the desired impact, and make adjustments as needed.

In conclusion, organizational learning is a critical component of success in today's rapidly changing business environment. By creating a culture of learning, investing in knowledge management and technology, and measuring the effectiveness of learning initiatives, organizations can improve their performance and adapt to changing conditions. With the right approach, organizational learning can become a competitive advantage that sets businesses apart from their peers.

HARNESSING THE POWER OF ITERATIVE DECISION-MAKING: A STRATEGIC GUIDE FOR SMES AND BUSINESS LEADERS

Iterative decision-making is a powerful tool that can drive success in small and medium-sized enterprises (SMEs) and larger businesses alike. This process, which involves making decisions based on a cycle of trial, error, and continuous improvement, can lead to more effective strategies and better business outcomes.

The concept of iterative decision-making is rooted in the broader field of knowledge management, which seeks to generate, adapt, and share knowledge to obtain a sustainable competitive advantage (Rezaei et al., 2020). In an increasingly knowledge-driven economy, effective knowledge management enables organizations to collect, share, and utilize knowledge systematically across internal departments and between parties (Oliva, 2014).

Iterative decision-making is particularly relevant in the context of interorganizational knowledge management, where the ability to generate knowledge collaboratively and share it with partners becomes critical to maintaining a sustainable competitive edge in international business activities (Cricelli and Grimaldi, 2010).

However, the implementation of iterative decision-making is not without its challenges. Organizational maturity and size can be impediments to achieving effective knowledge management (Oliva and Kotabe, 2019). Additionally, insufficient budget allocation and traditional organizational chart structure can hinder the establishment of a functional knowledge management infrastructure (Mazorodze and Buckley, 2019).

Despite these challenges, the benefits of iterative decision-making are significant. It enables managers to make more informed decisions that contribute to long-term sustainability. It also fosters a culture of continuous learning and improvement, which is crucial in today's rapidly changing business environment.

In the context of strategic business decision-making, the use and relevance of marketing metrics and knowledge management are paramount. A study conducted recently revealed that managers are quite familiar with financial and non-financial metrics, and they believe these indicators provide valuable information needed during the decision-making process (Melović et al., 2018). The application of appropriate marketing metrics is especially important for companies operating in transition economies, as these metrics enable measurement of the overall business performances and provide insights into companies' competitiveness.

Here are some key recommendations for SMEs and business managers:

Embrace Iterative Decision-Making: This approach allows for continuous learning and improvement. It encourages experimentation and adaptation, which are crucial in today's rapidly changing business environment.

Invest in Knowledge
Management: Effective
Knowledge management can
enhance decision-making
processes by systematically
collecting, sharing, and utilizing
knowledge. This can lead to a
sustainable competitive
advantage.

Promote a Culture of
Continuous Learning:
Encourage a culture that
values learning from each
decision and its outcomes.
This fosters innovation,
drives growth, and can lead
to better business
outcomes.

Address Organizational Challenges:
Be aware of potential
impediments to effective
knowledge management and
iterative decision-making, such as
organizational maturity and size,
budget constraints, and traditional
organizational structures. Seek to
address these challenges to fully
leverage the benefits of iterative
decision-making.

In conclusion, iterative decision-making is a powerful tool that can help SMEs and business managers navigate the complexities of today's business environment. By fostering a culture of continuous learning and improvement, and by leveraging the power of knowledge management and marketing metrics, businesses can enhance their decision-making processes, improve their strategies, and ultimately achieve better business outcomes.

STRATEGIC RESILIENCE: NAVIGATING BUSINESS COMPLEXITIES THROUGH TACTICAL AND STRATEGIC ADAPTATION

In an era of increasing complexity and uncertainty, businesses must adapt their strategies and tactics to survive and thrive. This article explores the concepts of tactical and strategic adaptation, providing insights from academic literature and offering practical recommendations for business managers.

Tactical adaptation refers to short-term changes in response to immediate challenges or opportunities. It involves making adjustments to existing processes, products, or services to improve efficiency, meet customer demands, or respond to competitive pressures (D'Aveni, 2010). On the other hand, strategic adaptation involves long-term changes in a company's business model, strategy, or structure to address fundamental shifts in the business environment (Volberda, 1996).

The importance of both tactical and strategic adaptation has been underscored by the COVID-19 pandemic, which has disrupted business operations worldwide and forced companies to rethink their strategies and operations (Mofijur et al., 2020). The pandemic has shown that companies need to be flexible and resilient, able to adapt quickly to changing circumstances and recover from disruptions (García Muin et al., 2021).



One key aspect of strategic adaptation is the ability to anticipate and respond to risks. A study by Aven (2016) highlights the importance of risk management as a generator of value in organizations. The study suggests that risk assessment and risk management provide a useful tool in decision-making, but there is still a need to achieve a higher scientific output. The dimension of risk also hides, alongside potential and inevitable dangers, a series of opportunities which, if well integrated into business processes, can enable the reduction of the negative effects of critical situations and illuminate the road to recovery.

Another study by Dellermann et al. (2017) suggests that the development of a guide to control organizational behavior in risk management should consider more than just the typologies and associated tools. Further research must offer new risk response matrices to draw individual and collective mitigation activities for specific types of risks. These must be linked through the development of capacities and routines, which would allow moving from the establishment of definitions and tools to the development of processes

In terms of tactical adaptation, Polas and Raju (2021) argue that the implementation of a tool that provides a deep understanding of the risks a company faces can improve the strategic selection and implementation process, thus contributing to the success of the organization. This tool can help the company to understand the risks it internalizes and how it controls them at different levels of action from a dynamic outlook, also to capture new business perspectives.

In conclusion, both tactical and strategic adaptation are crucial for businesses to navigate the complex and uncertain business environment. Companies need to be flexible and resilient, able to anticipate and respond to risks, and make both short-term and long-term adjustments to their strategies and operations. By doing so, they can not only survive but also thrive in the face of adversity.

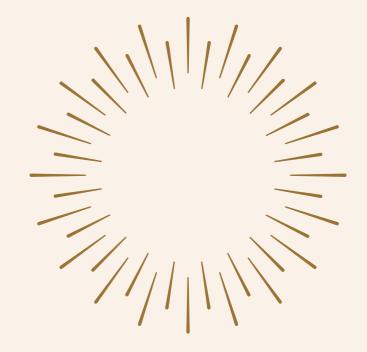


RESILIENCE AND SOCIAL SKILLS: SHAPING THE FUTURE OF ELEARNING

In the evolving landscape of the 21st century, the ability to adapt, grow and thrive in the face of challenges is more important than ever. Resilience, along with a solid set of soft skills, has taken centre stage as key components of success in an increasingly digital world. As we look to the future of eLearning, it becomes clear that nurturing resilience and social skills will be key to shaping the educational landscape.

Resilience, often defined as the ability to recover quickly from difficulties or the ability to overcome setbacks, has become a valuable attribute in today's lively world. The concept has evolved from being a personal trait to a skill that can be developed and honed through deliberate endeavours, including eLearning

The future of eLearning lies in its ability to not only impart knowledge, but also to foster resilience in learners. Through welldesigned and immersive courses experiences, eLearning can challenge individuals to step out of their comfort zones, face obstacles and stronger from their experiences. This involves embracing failure as a steppingstone to success, creating adaptive learning environments that encourage risk-taking and providing real-world simulations to develop resilience in practical contexts.



Social competences, also known as interpersonal competences or social skills, cover a wide range of abilities such as communication, teamwork, adaptability and emotional intelligence. These competences are invaluable in the workplace and are often considered more important than technical skills by employers.

The whole end-game of eLearning should prioritise the development of these soft skills, recognising that success in the digital age requires more than just technical proficiency. By involving the promotion of collaborative learning through virtual classrooms and online group projects, emphasising effective communication skills and incorporating elements that enhance emotional intelligence, it will no longer be a one-dimensional experience focussed solely on transmitting information. Instead, it will become a multifaceted platform that combines the acquisition of knowledge with the development of resilience and social competences. It will be highly personalised, adapting to the needs, pace and learning style of each student to ensure maximum engagement and skills development.



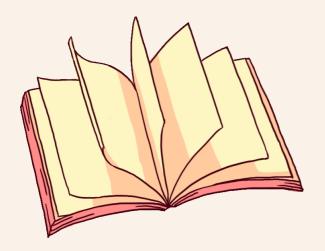
Elements of gamification integrated into eLearning, as it happens in Fenix Project, make the process more engaging and promote the development of problem-solving, critical thinking and decision-making skills. The focus shifts from theoretical to practical applications of knowledge and skills in the real world, allowing students to realise the immediate relevance of what they are learning.

The process of eLearning becomes a lifelong journey, with trainees and overall users constantly upgrading their skills and resilience as they explore their needs and goals.

The perspective of the next steps is a dynamic one, centred on the holistic development of learners. It goes beyond traditional academic knowledge to nurture the resilience and social skills that are crucial for success in a world marked by uncertainty and rapid change. As we embrace this future, eLearning becomes not just a tool for education, but a catalyst for personal growth, adaptability and prosperity in the digital age.

GROWTH MINDSET: AN APPROACH TO GAMIFICATION

The landscape of education, training, and skill development has undergone a profound transformation. This shift necessitates a change in mindset and the cultivation of essential soft skills. In today's dynamic environment, individuals must embrace resilience, independence, and persistence. Gamification is a powerful approach to foster these qualities, offering an experiential path to acquire knowledge, akin to the principles of the Fenix project. Through gamification, individuals can embark on a journey that provides them with social, emotional, and cognitive experiences that are not only compelling but also immersive and conducive to their skill enhancement.



Carol Dweck's groundbreaking work in psychology distinguishes between two primary mindsets: the Fixed Mindset and the Growth Mindset. Those with a Fixed Mindset believe that intelligence is an unchangeable, innate trait, whereas individuals with a Growth Mindset perceive intelligence as malleable, believing that effort can facilitate learning. The implications of these mindsets are profound. Fixed Mindset individuals often restrict their potential by avoiding risks and shying away from challenges

Conversely, those with a Growth Mindset actively seek opportunities and embrace challenges as avenues for growth, firmly convinced that abilities can be honed through learning and practice.

To cultivate a Growth Mindset through Gamification, learners must be prepared to embrace challenges, learn from their experiences, and move away from the rigid mindset that perpetuates the need to prove oneself right. In contrast to Fixed Mindset individuals who seek affirmation of their existing beliefs, Growth Mindset learners leverage setbacks as opportunities for growth and self-improvement.

Gamification has the capacity to create captivating and immersive scenarios that blur the lines between the creative and the real. It elevates the learning experience by fully engaging the learner's senses, creating an environment that serves as an exceptional learning tool.

In this immersive journey, learners are not merely passive recipients of knowledge but active decision-makers who experience the consequences of their choices. This interactive and dynamic approach cements their learning, capturing their actions and generating valuable insights into their behavior—insights that traditional teaching methods seldom provide. In essence, this method helps learners overcome challenges and errors, fostering long-term retention and knowledge transfer.



Engaging in these gamification experiences can catalyze transformative shift in mindset. Learners are thrust into situations that demand the application of their skills. Consequently, they from these experiences with a deeper understanding of the subject matter, a far cry from the outcomes of non-immersive training or conventional bookbased learning.

What sets apart those who enter the world of Gamification with a Growth Mindset is their willingness to accept failure as an anticipated outcome, rather than seeing it as a verdict on their intelligence. They understand the value of hard work and are undeterred by setbacks, constantly motivated to try again. Positive results and improved scores become their markers of progress.

In conclusion, the union of Growth Mindset and Gamification offers a dynamic approach to learning and personal development. By embracing challenges, learning from experiences, and leveraging immersive environments, individuals can transcend limitations and unleash their full potential. Through this journey of growth, they not only acquire knowledge but also cultivate a resilient, independent, and persistent mindset that equips them to thrive in an ever-changing world.



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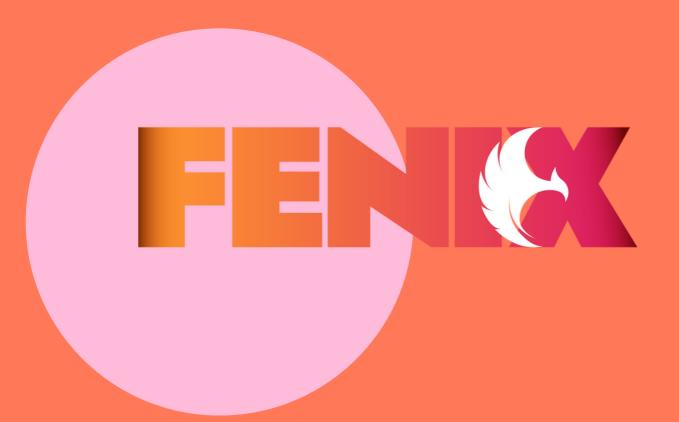
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