# The Gamification Approach to Employee Training to Increase Engagement and Learning Effectiveness in Organizations

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### ABSTRACT

Gamification has arisen as an innovative approach to increase effectiveness and engagement in employee training. By incorporating game elements such as points, challenges and rewards, gamification can make the training process more attractive and interactive. This helps to create a more responsive and enjoyable learning environment for employees, which in turn improves motivation and training outcomes. This article examines the application of gamification in employee training, focusing on how organizations can design a gamification system that fits the training objectives and participant characteristics. In its implementation, it is important for organizations to select the right game elements, as well as conduct ongoing evaluation of the results to ensure effectiveness. Continuous measurement and adjustment of gamification elements can help organizations create a more efficient and enjoyable training experience. The implementation of gamification also needs to be considered within the scope of the organization's long-term goals to ensure that the approach is in line with the company's culture and employee skill development needs. Overall, gamification is a powerful tool for creating more productive and effective training.

## **INTRODUCTION**

In this rapidly evolving digital age, many organizations are looking for innovative ways to improve the effectiveness of employee training. One approach that is gaining more attention is the use of gamification, which is the application of game elements in non-game contexts, such as training and learning. Gamification is expected to make training more attractive, fun, and able to increase participant engagement. The application of gamification in employee training aims to improve technical skills, and to encourage intrinsic motivation to improve overall job performance (Werbach & Hunter, 2012).

Gamification in employee training provides an opportunity to increase interactivity between trainees and the material being taught. Game elements such as points, levels and challenges can increase employee engagement with the training material in an active and fun way. This is important because too often monotonous and theory-based training causes employees to feel bored and lose motivation to develop themselves. Gamification allows organizations to tailor training to individual needs and improves information retention (Anderson & Rainie, 2012).

Although many organizations have started to implement gamification in training, successful implementation is still a challenge. Some organizations face difficulties in designing gamification systems that can actually increase training engagement and effectiveness (Al-Readean, 2019). Many factors influence the success of gamification, from the type of industry, to the appropriate gamification design, to the adaptation of organizational culture. Research on gamification is essential to better understand how these game elements can be effectively applied in employee training (Nah et al., 2019).

Although gamification offers many advantages, its application in employee training is still faced with some significant problems. One of them is how to ensure that the game elements used are truly effective in increasing employee engagement without compromising the main objective of training, which is to improve competence and performance (Santos et al., 2021). There is a risk that gamification elements can make the focus of training shift to the entertainment aspect alone, so that the results obtained are not maximized (Hamari et al., 2014).

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Although many organizations are attracted to adopting gamification, many have not been able to find the right design for gamification based on their needs and corporate culture. Gamification is not an organization-wide solution that works. Every company has unique characteristics in terms of values, structure, and ways of working, so gamification design needs to be adapted to that context in order to be accepted and effective. Differences in cultural background, age, and individual preferences can affect employees' response to gamification. In-depth research is needed on how to tailor gamification to be more inclusive and acceptable to different groups within the organization. Many organizations fail to design gamification that truly engages employees across the board, and these programs end up being ineffective (Koivisto & Hamari, 2019).

Another issue is the lack of understanding and skills in measuring gamification effectiveness. Many organizations do not have sufficient knowledge of how gamification works psychologically and pedagogically, and how it impacts trainee behavior and motivation. Not all organizations have clear metrics to assess how well gamification improves engagement and achievement of training goals. Improper measurement can hinder efforts to improve or refine the gamification system implemented, thus reducing the potential for increased training effectiveness (Surendeleg et al., 2019). Without accurate data, organizations struggle to identify which elements are effective and which need improvement.

In an increasingly competitive world, organizations must always look for ways to improve the efficiency and quality of employee training. The use of gamification in training has great potential to increase engagement and motivate employees to achieve training objectives. To ensure that gamification is implemented in the right way, there is a need for further research into effective gamification elements and design adaptations that suit different types of organizations. With a strong research base and a purposeful approach, gamification can be an effective tool in creating training that is engaging, relevant and beneficial to employee development. Through this understanding, companies can ensure that the training provided to employees is engaging and relevant and beneficial to their development.

The purpose of this research is to analyze how organizations can design and implement gamification in employee training that can increase training engagement and effectiveness. It also aims to explore the challenges faced in designing an effective gamification system and how game elements can be adapted to the different backgrounds and needs of employees in an organization.

## **RESEARCH METHOD**

A literature study approach is used in this research to analyze the use of gamification in employee training, specifically in improving training effectiveness and employee engagement. This method aims to identify and evaluate previous studies that have examined application of gamification in various organizational settings. The literature review allowed the researcher to gain insights from diverse sources that discuss the application of gamification in training, and how it can lead to improved employee motivation and performance. For example, research conducted by Anderson and Rainie (2012) suggested that gamification can encourage greater engagement in training due to the game elements that make the training experience more interactive and fun. This approach also facilitates the identification of challenges in the implementation of gamification that can affect its effectiveness, such as a mismatch between the gamification design and the needs of the trainees.

This literature study also includes an analysis of the various models and theories underlying gamification, as well as its impact on achieving training objectives in organizations. Previous researchers have identified various gamification elements such as leaderboards, points, and rewards that are often applied in training programs to increase motivation and change participant behavior (Hamari et al., 2014). Evaluation of relevant theories, such as motivation theory and learning theory, is important to understand how gamification affects participant engagement in training. Using a literature study approach, this research can confirm whether the implementation of gamification actually has a positive impact on employee engagement and the achievement of training objectives, as well as identify the specific elements that are most effective in different industries.

The literature study also provides an opportunity to compare the success of gamification in different types of organizations and sectors. Through this analysis, differences can be found in how effective gamification is implemented in different sectors, such as technology, healthcare and education. For example, Koivisto and Hamari (2019) show that gamification implemented in the healthcare sector focuses more on the continuous learning aspect, while in the technology sector it emphasizes competition and rewards. By comparing the results of previous studies, this literature study approach allows researchers to draw more comprehensive conclusions about the gamification design that best suits various organizational settings.

## **RESULT AND DISCUSSION**

In this modern era, organizations are increasingly recognizing the importance of innovation in employee training to improve learning engagement and effectiveness. One emerging approach to address this challenge is gamification, which integrates game elements into non-game contexts, such as workplace training. Gamification aims to make the learning process more attractive and interactive, which in turn can increase employee motivation to actively participate in training. Elements such as points, leaderboards, challenges and rewards are used to create a more dynamic training experience that focuses on achieving measurable goals (Singh & Prasad, 2018). By setting measurable goals and providing immediate feedback through gamification elements, trainees can more easily understand their progress and are encouraged to keep learning. Gamification has great potential to revolutionize the way companies develop their employees' competencies if properly designed and adapted to the characteristics of the organization.

Although gamification offers great potential to increase engagement, its implementation requires careful planning. Not all forms of gamification are suitable for every type of training, and various factors need to be considered in designing an effective gamification system. It is important for organizations to design gamification with training objectives, employee characteristics, and the technology being used in mind. With the right approach, gamification can be a highly effective tool in creating a fun and productive learning environment (Iacono et al., 2020). With the right approach, gamification not only increases engagement, but also creates a fun, challenging and productive learning environment.

Through the implementation of gamification, organizations can encourage better skill development, while building a sense of community and collaboration among employees. By adding game elements that are relevant to the training needs and objectives, gamification has the potential to provide a more attractive and enjoyable experience. This allows participants to hone both technical and non-technical skills in a situation that resembles the real world of work, so that the results of the training become more meaningful and easily applied in daily work. that successfully implement Organizations gamification wisely will increase training effectiveness, and will create a more innovative and changeresponsive work environment (Alfaqiri et al., 2020). By continuously adjusting the gamification design based on evaluation and changing needs, organizations can maintain the relevance of their training programs and stay ahead of the curve in human capital development.

Gamification has become a popular tool in improving employee engagement and training effectiveness in various organizations. Employee engagement is often a major challenge in conventional training which tends to be monotonous and passive. By incorporating game elements such as points, leaderboards, and challenges in training programs, gamification can encourage employee motivation and commitment to the learning process. These elements create a clear sense of achievement and progress, which in turn encourages employees to continue learning and actively participate. Based on Deterding et al. (2011), gamification works by utilizing the principles of intrinsic and extrinsic motivation found in games to strengthen participant engagement. For gamification to be truly effective, the design of the system must be visually appealing, easy to use and relevant to the learning objectives and needs of the participants. It is important for organizations to design gamification systems that are visually appealing and relevant to learning objectives and employee needs.

In designing gamification, the first step to consider is defining the training objectives and how gamification can support the achievement of those objectives. Organizations need to identify the skills and knowledge they want to develop through training, as well as how game elements can be integrated to reinforce learning. training example, aimed at improving communication skills could use time-based challenges or missions that require employees to collaborate, while technical training could utilize simulations competition-based games to encourage employees to progressively improve their abilities (Zichermann & Cunningham, 2011). Without a proper understanding of training objectives, gamification risks becoming an entertaining but irrelevant or ineffective activity. Designing gamification is not just about adding games to training, it's about building learning experiences that are purposeful, meaningful and measurable.

Organizations should be aware of the balance between competition and collaboration elements in gamification. Although elements of competition, such as leaderboards and rewards, can increase motivation, too much focus on competition can cause anxiety or excessive pressure on employees, which can reduce the effectiveness of training. Employees who feel unable to compete may lose interest or be reluctant to participate, ultimately reducing the effectiveness of the training program itself. Effective gamification should balance these elements by making room for collaboration between employees, which can enhance team learning and strengthen collective engagement (Deciet al., 2017). It is important to design gamification that promotes cooperation in addition to competition.

In addition to designing gamification elements, organizations also need to ensure that the platform used for gamification is accessible and intuitive. One of the challenges in implementing gamification is ensuring that the technology used is compatible with the digital capabilities of employees. Each employee has a different technical background, with some more experienced in using technology than others. Implementing complex technology can hinder the training experience, while easy-to-use platforms can accelerate adoption by employees and increase their participation (Deterding et al., 2011). This will have a direct impact on the level of engagement and success of the training. Organizations should choose a gamification platform that can be easily accessed by all employees, both those experienced in technology and those less experienced. This can be achieved by choosing a platform that offers responsive design, clear guidelines, and easily accessible technical support.

Continuous monitoring and evaluation of the effectiveness of gamification in training is a crucial step to ensure that the method delivers the desired results (Cvetkovic et al., 2020). This process involves measuring training outcomes, such as improvements in employee skills and knowledge, and includes indepth analysis of employee engagement levels and satisfaction with the training methods implemented. By using the right metrics, companies can identify areas where gamification is successful and where improvements may be needed. For example, measurements can be made through pre- and post-training tests to assess knowledge gains, as well as analysis of employee performance in relevant tasks after the training is completed (Armstrong & Landers, 2018).

Collecting feedback from trainees is an important component in evaluating the effectiveness gamification. Without clear feedback, organizations cannot determine if the implemented gamification elements positively impact participants' learning experience. Surveys and interviews can be used to gain insight into participants' experiences, including the elements of gamification that were most attractive and beneficial to them. Organizations can identify the most engaging, enjoyable, and rewarding gamification elements, as well as areas needing improvement. Hamari et al. (2014) show that this feedback can provide valuable information that can be used to customize the gamification design to better suit employee needs and preferences. By listening to the voices of participants, companies can create more relevant and engaging training experiences, which in turn can increase employee engagement levels and motivation to learn. Regular evaluation through feedback is a key element to creating a more effective gamified training experience.

Monitoring employee performance outcomes after completing gamification training is also very important. Companies should set clear performance indicators to evaluate the impact of training on employee productivity and work effectiveness. By analyzing performance data, companies can determine whether gamification training has been successful in improving the desired skills and whether there is a positive change in work outcomes. If the results show that gamification is not having a significant impact, companies need to make adjustments in their training approach. Ongoing evaluation helps in optimizing training programs, and contributes to the development of a culture of continuous learning within the organization (Santos et al., 2021).

Gamification can also be implemented with the individual needs of employees in mind. Each individual has different preferences and ways of learning, and organizations need to take this into account when designing gamification elements. The use of personalized learning paths allows employees to choose challenges or missions that match their ability level and interests, which can then increase their engagement in training. It also gives employees a greater sense of control over their learning process, which can increase their intrinsic motivation (Koivisto & Hamari, 2019).

The use of data-driven measurement can assist organizations in improving the effectiveness of gamification. Data collected from employee interactions with gamification elements, such as time spent on each mission or challenge completion rates, can be used to tailor training programs to be more effective. Using this data, organizations can identify areas for improvement and optimize training design to create a more attractive and productive experience for employees (Muntean, 2011). This allows organizations to continuously improve their training programs and ensure that gamification delivers maximum results.

Although gamification offers many benefits, inappropriate implementation can lead to employees feeling bored or unmotivated (Oberprieler, 2018). Organizations need to be careful about designing gamification elements that are too complex or overwhelming for employees. Too many irrelevant challenges or rewards can create confusion and reduce the appeal of training (Gerdenitsch et al., 2020). Training is less effective because participants do not feel emotionally or cognitively engaged. It is important for organizations to design gamification elements that are balanced and relevant to the training objectives and employee learning experience. A careful and measured approach will ensure that gamification truly serves as a motivational enhancement tool and not as a distraction in the training process.

It is also important to consider the long-term impact of gamification in employee training. Although gamification can increase engagement in the short term, it is important for organizations to maintain employee motivation levels once the training phase is over. It is important to design gamification systems that focus on short-term rewards or points, and introduce elements that can encourage continuous learning and employee development in the long term (Deterding et al., 2011). A careful and measured approach will ensure that gamification truly serves as a motivational enhancement tool and not as a distraction in the training process.

One way to increase the effectiveness of gamification in training is to ensure there is positive reinforcement after each achievement. Recognizing employees who successfully complete challenges or reach certain milestones can increase their sense of achievement and encourage them to continue engaging in training. This positive reinforcement increases motivation, and creates an environment that supports continuous learning and development for employees (Zichermann & Cunningham, 2011).

Properly implemented gamification can help companies improve employee engagement and performance. This requires thoughtful design and continuous evaluation. Organizations that successfully design effective gamification systems can optimize the training experience and produce employees who are more skilled, motivated, and committed to company goals (Silic et al., 2020). Strategically designed gamification can reinforce a culture of workplace learning, drive higher performance, and increase employee retention and job satisfaction. Gamification is an important investment in human capital development.

Gamification in employee training provides a  $significant \, opportunity \, to \, improve \, the \, engagement \, and \,$ effectiveness of the learning process. implementation requires strategic thinking that focuses on the use of game elements, and on tailoring it to the learning objectives to be achieved. This adjustment is important so that gamification does not lose its way and remains in line with the context and needs of the organization. The success of gamification relies heavily on careful planning, which includes the selection of relevant game elements and ongoing measurement of their impact on training engagement and outcomes (Gupta & Gomathi, 2017). Organizations can make improvements and adjustments to the gamification elements used, ensuring that the training program not only remains relevant, but also continues to evolve along with the needs of the participants and the strategic goals of the company.

In the future, gamification is expected to evolve further as technology and understanding of motivational psychology advances. Factors such as the type of skills to be developed, participant characteristics, and organizational culture should be key considerations in designing a gamification system. Organizations should continually evaluate and update the gamification methods used to ensure that the game elements applied remain appropriate to employee needs and training objectives. Gamification serves as a learning tool, and as a way to build a more engaged, dynamic and adaptive company culture (Khaskheli & Vighio, 2019).

Gamification is not a one-size-fits-all solution. The success of gamification in employee training largely depends on its careful design and implementation tailored to the specific objectives of each training program. Organizations that are able to create more attractive and personalized learning experiences through gamification have the potential to improve employee skills and engagement, which in turn contributes to the achievement of long-term corporate goals.

### **CONCLUSION**

Based on the previous description, it can be concluded that gamification is a potential approach to increase engagement and effectiveness in employee training. By utilizing game elements such as points, challenges, rewards and leaderboards, gamification can make the learning process more interactive and fun. This has the potential to increase employee motivation for training and accelerate the achievement of learning objectives. implementation of gamification must be carefully designed to suit the training objectives and characteristics of the participants, as well as the technology used. A thoughtful approach will ensure that gamification increases engagement, and supports the achievement of better training outcomes.

For this reason, companies are advised to continuously evaluate and adjust the use of gamification based on training needs developments. technological Continuous measurement of the effectiveness of gamification in training is also very important so that organizations can find out whether the game elements implemented are delivering the desired results. Involving employees in designing gamificationbased training elements can increase ownership and improve engagement. With the right approach, gamification can be a highly effective tool in developing employee skills and building a more dynamic and innovative organizational culture.

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