

Impact of Psychological Contract Violation on Turnover Intentions among Project Employee, Mediating role of Burnout and Moderating role of Self-Efficacy

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Abstract

Psychological Contract Violation can have devastating consequences, including Employee Turnover Intentions, which is a critical concern for organizations, leading to significant costs and potential loss of competitive advantage. This study investigated how Psychological Contract Violation influence employees' intentions to leave IT software development companies based in Rawalpindi and Islamabad. Additionally, it explores the mediating role of burnout and the moderating effect of self-efficacy. Utilizing a quantitative research methodology and Hayes Process Macros Model 7, this research examined the responses of 270 IT employees. Results disclosed a notable positive relation between Psychological Contract Violation and Employee Turnover Intentions, with Burnout identified as a mediator in this relationship. Contrary to expectations, the study found no significant moderation by self-efficacy in the relation between Psychological Contract Violation and Burnout. This study highlights the importance of addressing burnout and promoting employee well-being to mitigate turnover risks associated with psychological contract violation.

Keywords: *Psychological Contract Violation, Turnover Intentions, Burnout, Self-efficacy.*

Introduction

The topic of Employee Turnover Intention is receiving a lot of attention from private businesses, government institutions, and even multinational firms. Employees are an asset to an organization, and turnover is a source of discomfort for the organization. Businesses can suffer greatly from high turnover, both directly and indirectly. These effects include higher recruiting and training expenses, reduced productivity, lower profits, and worse employee morale (Hayward et al., 2016). A significant instability cost is associated with employee's ongoing departures (Bajwa et al., 2014). Moreover, employee turnover could cause businesses to lose their competitive advantage since employees have insider knowledge that they could share with rival businesses (Hana & Lucie, 2011).

A chronic talent shortage, particularly in critical industries like information technology, healthcare, engineering, and finance, posed a serious hiring issue for Pakistan in 2023. The primary source of this scarcity is the disparity between the restricted supply and the high demand for highly qualified professionals (Pal, 2023). State Bank of Pakistan (SBP,2023) highlighted that the country is starting to experience a shortage of skilled workers in the IT sector. If this problem is not addressed, it could hinder the future growth of the industry. In simpler terms, there might not be enough talented people in the IT field, and that could slow down the industry's development (SBP,2023, p.150). The statistics from the same report also indicated that IT exports, primarily driven by software and related exports, increased to \$2.1 billion in FY22 compared to \$0.89 billion in FY19 and \$0.29 billion in FY13 (SBP, 2023, p.139). Consequently, IT exports are emerging as a significant contributor to foreign exchange earnings in the economy. The report published by the Ministry of Information Technology & Telecom (MoITT, 2023), affirms the significant potential for Pakistan to enhance its IT/ITeS export revenues, reaching a range of \$10-\$18 billion by 2028. Such growth has the potential to position Pakistan as a global IT hub, accompanied by a proportional rise in the domestic industry to over \$6 billion annually. Therefore, success in the IT sector simply depends on keeping and retaining talented and valuable personnel (Bhauguna & Sharma, 2017).

IT and software professionals have excellent mobility and interconnection with the world. Their ability to change jobs and work in multiple industries is made possible by internet connectivity (Miller, 2018). This high turnover intention is mostly motivated by low pay plans, strained relationships with supervisors, stress at work, a lack of management support, and a scarcity of possibilities for training and development (Farooq et al., 2022). The incapacity to retain top talent stands out as one of the numerous obstacles in the path of Pakistan's economic and social advancement. Most of the required well-experienced and qualified professionals in technological fields are hardly available in the country (Shah et al., 2023).

He et al. (2023) and Farooq et al. (2022) emphasized the focused research on psychological contract violation in different professional domains or fields and psychological factors that lead to turnover intentions within the IT sector, respectively. While Zaza et al. (2022) investigated the association of burnout and psychological contract violation with turnover intentions of employees working in the IT field, the study was conducted outside Pakistan. Furthermore, Aguilar Velasco and Wald (2022) in their literature review recommends considering self-efficacy as a potential moderator in the connection amongst burnout and psychological contract violation. The existing body of research lacks a focused investigation of the impact of psychological contract violation on turnover intentions, particularly among professionals working in the IT sector of Pakistan, especially in Rawalpindi and Islamabad. Despite related studies, a clear gap exists in understanding and explaining this specific relationship within the particular context of the IT industry of Pakistan together with self-efficacy acting as a moderator.

Psychological Contract Theory

The psychological contract theory provides a comprehensive understanding of how a person perceives or expects the nature of his relationship with other individuals and his firm. Rousseau (1995) explained it as the beliefs of the individual, that are influenced by the firm, with reference to the terms of an exchange agreement between a firm and their employees. The emergence of the

psychological contract is based on the perception of the individual regarding mutual responsibilities between the company or employer and the worker or employee.

According to the theory of the psychological contract (Montes et al., 2015b), individuals usually develop expectations about mutual obligations with their organizations that ultimately affect their actions, attitudes, feelings and behavior in the office. This conceptualization of psychological contract also identifies the dynamic attribute of psychological contract that changes with experience and time. Whenever there is a violation of a psychological contract, that is failure of the firm to fulfil the mutual obligations and is felt and perceived by employees, it will give rise to negative feelings of disappointment, sadness and frustration.

The perceived value of employment relationships is negatively affected by such intense emotional responses. As a result, employee may reconsider their dedication and commitment to their organization and may experience diminished job satisfaction and trust. This reevaluation usually gives rise to turnover intentions, as employees prefer leaving the firm as a consequence of the breached promises and violation of the contract. This process of reconsideration of the employment relationship depends on effective psychological contract management (Montes et al., 2015b).

Trust, appreciation, and open communication can positively impact these evaluations, decreasing the chances of violation. Firms that efficiently fulfil obligations, avoid breaches, and promote a positive and healthy working environment have an advantage in retaining employees and mitigating the risk of turnover.

Literature Review

Relationship between Psychological Contract Violation and Turnover Intentions:

An effective reaction termed a psychological contract violation occurs as the result of the identification of a perceived breach in the psychological contract, which later contributes to diminished efforts and behavioral changes (Morrison & Robinson, 1997). The norm of reciprocity (Gouldner, 1960) and social exchange theory (Blau, 1964) provide explanations regarding illustrations for breaches in psychological contract. According to these two theories, feelings of frustration and anger develop among individuals, when they believe that the employer or company has failed to fulfil both its commitments and reciprocate back to his contributions then they might seek to restore balance in social exchange by modifying the extent of their efforts to the company or consider leaving the firm or job. When employees feel that their employer is unjust and he is not provided adequate rewards for his efforts then ultimately employees will consider leaving the job in conformity with the theory of fairness (He et al., 2023).

Robinson and Morrison (2000) first suggested a relationship between breach and violation. Successive empirical studies have consistently supported the notion that a breach of a psychological contract is significantly correlated with its violation (Jamil et al., 2013; Masood Baber, 2022; Zhao et al., 2007). Moquin et al. (2019) investigated the IT sector which focused specifically on psychological contract breach, highlighting its positive effect on turnover intention. Management researchers like Bal et al. (2017), Kraak et al. (2017) and Salin and Notelaers (2017) have also pointed out that as well, which supports this trend better and indicates

that violation of the psychological contract is a significant predictor of intentions to leave. This is because perceived psychological contract violation strongly correlates with employees' active seeking for alternative jobs.

It has been suggested that a sense of violation in psychological contracts more likely causes them to want to quit than any derelictions of duties (Turnley & Feldman, 1999). This is based on the fact that there are no negative effects associated with the search for another job while deliberately neglecting their employment duties could lead to negative consequences. The results obtained from Azeem and his colleague's (2020) study also supported the theory of employees who respond to perceived violations in their psychological contracts by becoming more inclined towards quitting their jobs. In this regard, it is based on an organizational betrayal which results in dissatisfaction and disengagement with work (Azeem et al., 2020). In addition, a study was conducted on knowledge workers which underscored the significant influence of psychological contract violation on turnover intention (He et al., 2023). Earlier research indicates a positive connection between perceived psychological contract violation, quitting intentions and breaches in the psychological contract (Guzzo et al., 1994; Tekleab et al., 2005).

Based on the above discussion, this study proposes that:

H₁: Psychological Contract Violation significantly and positively affects Turnover Intention.

Relationship between Psychological Contract Violation and Burnout:

Breaches/Violation of the psychological contract can lessen the reciprocity standards and instigate stress in the employees. So, a perceived breach of psychological contract can result in burnout as it undermines the idea of reciprocity, which is vital for maintaining the overall well-being of the employee (Maslach et al., 2001). Moreover, burnout has been primarily studied as a detrimental consequence of the breach of psychological contract (Chambel & Oliveira-Cruz, 2010; Costa & Neves, 2017; Piccoli & De Witte, 2015; Topa & Jurado-Del Pozo, 2018) and certain research studies also looked at burnout as a consequence of psychological contract violation (Ali et al., 2019; Jamil et al., 2013).

In the light of the above discussion, this study puts forth the hypothesis that:

H₂: Psychological contract violation has positive and significant impact on employee burnout.

Relationship between Burnout and Turnover Intentions:

“Turnover Intention is the conscious and deliberate willfulness to leave the organization” (Tett & Meyer, 1993). It can be further explained as the thought and willingness of a worker to leave his current job due to discontentment with his job and working environment. The process of resignation is stimulated by the leaving intention of a job, so it can be said that quitting intention is the deciding factor for the conduct of resignation, thus turnover intention has been considered a major predictor of actual turnover (Hom et al., 2017). A lot of studies have assessed the causes and effects of work burnout (Demerouti et al., 2001; Kim et al., 2009). Burnout is linked with several negative responses towards work (Schaufeli & Enzmann, 1998). The findings from research by Leiter (2009) have shown that a relationship exists between burnout and various forms of job withdrawal, among which are absenteeism, intentions to quit and actual turnover.

Employment stress implies unfavourable physiological and emotional responses about the place of work.

Additionally, Croon et al. (2004) point out that employees who undergo burnout and are frustrated at work tend to engage in higher levels of employee turnover and absenteeism. Research evidence and results of various studies also support this claim showing that workers with high levels of burnout may be more likely to have intentions for leaving their jobs, working across diverse professions or careers (Huang et al., 2003; Shimizu et al., 2005). Furthermore, Bai et al. (2023) revealed that turnover intention is significantly influenced by workplace burnout and can influence turnover intentions directly and indirectly (Chung & Han, 2023). The exhaustion dimension of burnout has been particularly recognized by researchers to significantly impact an IT professional's turnover intentions (Ahuja et al., 2007; Mak & Sockel, 2001; Rutner & Mcknight, 2007). All these results comply with the burnout-turnover intention relationship. So, it can be concluded that IT professionals who experience burnout are more likely to leave their company or firm.

In the light of the above discussion, this study puts forth the hypothesis that:

H₃: Burnout has positive and significant impact on turnover intentions.

Relationship between Burnout, Psychological Contract Violation and Turnover Intention:

Studies examined the violation of psychological contract as an antecedent of burnout (Ali et al., 2019; Jamil et al., 2013). Furthermore, another study also disclosed the positive impact of burnout on turnover intention (Chung & Han, 2023). The study by Soelton et al. (2021) also confirms that job burnout significantly impacts employee turnover intention. The high turnover intention among the workers is due to tiredness. From all this, it can be concluded that burnout is the crucial link between psychological contract violation and turnover intention. So

In the light of the above discussion, this study puts forth the hypothesis that:

H₄: Burnout will mediate the relationship between psychological contract violation and turnover intention.

Relationship between Self-efficacy, Psychological Contract Violation and Burnout:

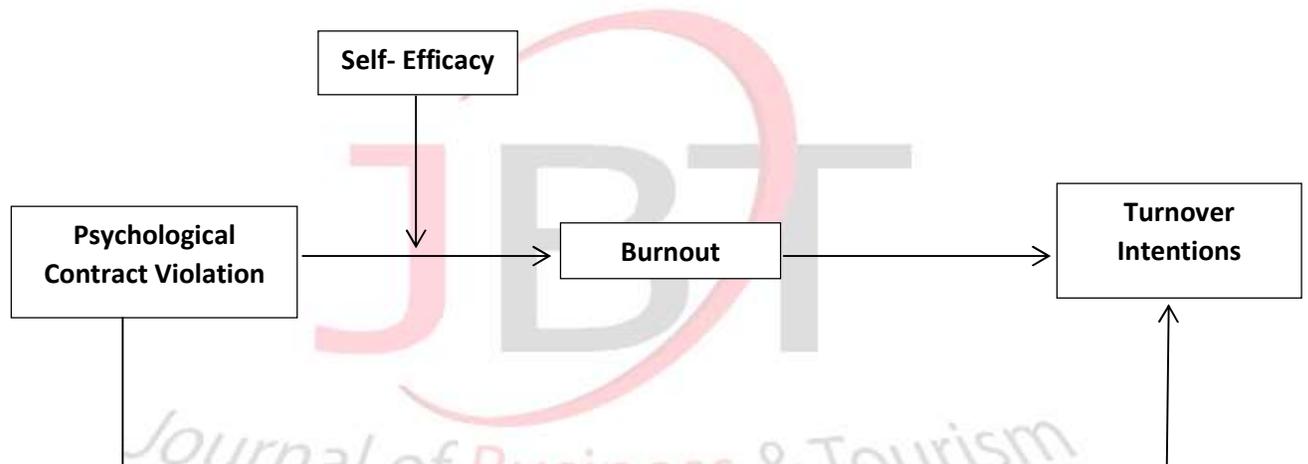
Bandura (1997) described self-efficacy as a belief that one can succeed if he completes certain functions or groups of tasks. Research by Gist and Mitchell (1992), Etehadi and Karatepe (2019) proves that self-efficacy impacts emotional responses. Self-efficacy is a technique to help employees better manage their frustration when a firm fails to do so (Clercq et al., 2020). In addition, Şahin and Çetin (2017) found that self-efficacy played an important role in eradicating negative emotions. Self-efficacy can mitigate the negative effects of perceived psychological contract violation on job satisfaction as depicted by the study of Clercq et al. (2020). The study also pointed out that self-efficacy can moderate the negative effects of perceived psychological contract violation on job satisfaction (Clercq et al., 2020). This means those better in emotional control skills and job-related self-efficacy will observe a decreased violation of contract and increased satisfaction with their jobs.

Numerous researches revealed a strong connection between burnout and self-efficacy. There is a correlation between higher levels of self-efficacy and a decreased risk of burnout (Irmayani et al., 2022). Furthermore, Matos et al. (2022) studied self-efficacy among Brazilian lecturers and suggested self-efficacy as a positive predictor of quality of life and a negative predictor of burnout. Consequently, it can be said that elevated self-efficacy is linked with a lower risk of experiencing burnout.

In the light of the above discussion, this study puts forth the hypothesis that:

H₅: Self efficacy will moderate the relationship between psychological contract violation and burnout in such a way that higher the self-efficacy, lower will be employee burnout.

Research Model



Research Methodology

This research study opted for an experimental research strategy and monomethod choice. Quantitative research methodology and cross-sectional research design were utilized to collect the numerical data and its analysis was performed. The research methodology was based on a deductive approach to investigate the relationship between variables. The population of this study consisted of employees working in IT software development firms due to the project-based nature and in-demand skill sets of these professionals.

The sample of this study consisted of project managers, DevOps engineers, android developers, frontend developers, backend developers, QA engineers, web developers, software engineers and IT managers. Selection of these IT professionals was crucial and was done thoughtfully because all the project teams of IT firms are involved in these roles and they represent the complete IT workforce. Additionally, their turnover can affect the IT projects badly and can cause a delay in project completion as well.

The study employed a Non-probability Convenience sampling technique (Wiersma & Jurs.,2005). The sample size for this study was calculated using the 10 times rule. Total number of items of this research were 27. So, the sample size calculated through this rule was 270 (Hair et al., 2011).

Table 1: Scales Used

| Variables | Scale | Number of Items | References |
|----------------------------------|--|-----------------|------------------------------|
| Psychological Contract Violation | Psychological Contract Violation Scale | 4 | Robinson and Morrison (2000) |
| Burnout | Burnout Measure Scale (BMS) | 10 | Pines and Ayala (2005) |
| Self- efficacy | Self-efficacy scale | 7 | Borgogni et al. (2010) |
| Turnover Intentions | Turnover Intention Scale (TIS-6) | 6 | Bothma and Roodt (2013) |

Results

A comprehensive collection of statistical analyses was conducted to test the objectives and hypotheses of this study precisely. All statistical analyses were performed using the Social Package for Statistical Analysis (SPSS-26). For Hayes Process Macros, Model 7 was used.

Table 2: Correlation Analysis

| Variables | PCV | SE | TOI | BO |
|-----------|---------|---------|--------|----|
| PCV | 1 | | | |
| SE | -.230** | 1 | | |
| TOI | .547** | .003 | 1 | |
| BO | .620** | -.271** | .563** | 1 |

** . Correlation is significant at the 0.01 level (2-tailed).

The correlation coefficient value for SE and PCV was -.230. This value represents an inverse association between these two variables. Whenever PCV increases, there will be a decrease in self-efficacy and vice versa ($r = -.230$, $p < 0.01$). The correlation coefficient value between PCV and TOI was found to be .547 indicating a strong positive correlation between these two variables. Increased psychological contract violation is linked with increased intentions of quitting the job and decreased psychological contract violation is associated with decreased turnover intentions ($r = .547$, $p < 0.01$). Similarly, when the correlation coefficient for BO and TOI was calculated, it gave a value of .563, reflecting a strong and positive correlation between these two variables. High turnover intentions are linked with elevated levels of burnout and vice versa ($r = .563$, $p < 0.01$). There is a strong positive correlation between PCV and BO as evidenced by the correlation coefficient value of .620, indicating that increased psychological contract violation is linked with elevated levels of burnout and vice versa ($r = .620$, $p < 0.01$). The correlation coefficient

value for TOI and SE was found to be .003, pointing towards the weak relationship between turnover intentions and self-efficacy ($r=.003$, $p<0.01$). A significant negative correlation of $-.271$ was found for BO and SE. When SE decreases, burnout level is likely to increase and vice versa ($r=-.271$, $p<0.01$).

Hayes Process Macros:

The moderation mediation model, especially model 7 by Hayes process macros V4.3, was used to examine the relationship between the study's variables.

Table 3: Moderation Mediation Analysis

| Pathway | B | T-value | P-value | LLCI | ULCI |
|---|-------|---------|---------|-------|------|
| Direct Effect | | | | | |
| PCV -> TOI | 0.23 | 5.25 | <.001 | 0.14 | 0.31 |
| Mediation Path (PCV -> BO -> TOI) | | | | | |
| PCV -> BO | 0.44 | 2.53 | 0.012 | 0.10 | 0.79 |
| BO -> TOI | 0.31 | 5.91 | <.001 | 0.21 | 0.42 |
| Moderation Path: | | | | | |
| SE -> BO | -0.17 | -1.46 | 0.146 | -0.39 | 0.06 |
| Interaction Term (Int_1) | 0.01 | 0.24 | 0.809 | -0.08 | 0.10 |

In the case of burnout, the R-squared value of 40.13% represents it to be a moderate fit, value of B for PCV was 0.44, and for SE was -0.17 , making these two variables the significant predictors of BO. The interaction term for this model was found to be insignificant ($p=0.809$), which depicts the weak moderation effect of SE. In the case of TOI, the R-squared value of 38.07% represents it to be a moderate fit, the value of B for PCV and BO were 0.23 and 0.31, respectively making these two variables the vital predictors of BO. Psychological contract violation has a direct and significant effect on turnover intentions, supported by the value B being 0.23.

The indirect effect of PCV on TOI is divided into two paths, the value of B for PCV to BO and then from BO to TOI were found to be 0.44 and 0.31, respectively, suggesting a notable indirect effect on TOI. This information depicts the appreciable mediation effect of burnout on the relationship between psychological contract violation and turnover intentions. There was weak moderation by SE as the Interaction term, along with the moderation mediation index, was insubstantial. Additionally, LLCI and ULCI values carried opposite signs, indicating the presence of 0 between them.

Discussion

Hypothesis 1 of the research was strongly supported by the results of the study. The correlation coefficient value (.547) for PCV and TOI was significant and positive which represents the strong relation between these two variables. An increase in psychological contract violation would lead to elevated intentions to quit. Moreover, results yield a t-value of 3.925 which is statistically

significant and explains it to be the notable predictor of turnover intentions. All these results and findings are also supported by the research study conducted by Hao et al. (2023) and Korir et al. (2022), thus confirming the significant connection between psychological contract violation and turnover intentions and this association is backed by the significant values exhibited by correlation coefficient and Hayes process macros.

The findings of this research study reinforce Hypothesis 2. The correlation coefficient value (.620) revealed a strong association between PCV and BO, such that increased psychological contract violation is associated with elevated levels of burnout among IT employees. These findings align with the results of a study by Jin-Ah and Kim (2022), revealing a significant association between psychological contract violation and burnout experiences.

The findings of Correlation analysis support Hypothesis 3 as the correlation coefficient value of (.563), confirms a noteworthy and positive link between these two variables. The t-value also revealed burnout to be a strong predictor of turnover intentions among IT employees. An increase in violation of psychological contracts results in an increased likelihood of turnover intentions.

Hypothesis 4 suggested the mediating role of burnout. According to Hypothesis 4, burnout will act as a mediator and mediate the relationship between psychological contract violation and turnover intentions. The value of R, which is the coefficient of determination reveals that 62.2% of the variation in the dependent variable results from the predictors mainly psychological contract violation and burnout as discussed in the study. Furthermore, the significant t-values for PCV and BO obtained from regression analysis were 3.925 and 7.270, respectively, supporting this hypothesis. B value for path PCV to BO was 0.44, and path BO to TOI was 0.31. Thus, findings from the analysis of Hayes Process Macros also strengthen this hypothesis and accept that burnout mediates the relationship between violation of psychological contract and turnover intentions.

Hypothesis 5 of the research study stated that self-efficacy will act as a moderator and will moderate the relationship between psychological contract violation and turnover intentions. The findings and results of this research study does not accept hypothesis 5. Moderation mediation index and Interaction term to assess the moderation by self-efficacy gave insignificant results, proving no moderating effect of self-efficacy. The absence of moderation by self-efficacy was also proved by confidence interval ranges as 0 was included, and values of LLCI and ULCI were possessing opposite signs. In conclusion, it can be said that self-efficacy does not play the potential role of moderator in moderating the relationship between psychological contract violation and burnout.

Scarcity of trust (from and in the firm) can affect the self-efficacy of the employees. The success and competency of the employees are directly influenced by the trust level of the upper management or the organization. If the employees experience distrust and an absence of support from the management and firm, it would weaken the employees' confidence and belief regarding their capabilities and to perform their work-related activities efficiently and effectively as explained by Ozyilmaz et al. (2018).

Moreover, trust has been found to act as a barrier against job burnout indicating a significant association between trust and job burnout. Research suggests that trust can reduce burnout, while lack of trust can increase burnout (Lambert et al., 2012). According to Hai-Ming et al. (2020), the impact of trust on psychological contract violation has been demonstrated to be negative. When employees feel a violation of their psychological contract this will affect their trust in the firm and result in a diminished level of self-efficacy.

Hence low level of self-efficacy may reduce the ability of employees to moderate the association between psychological contract violation and burnout successfully. Consequently, absence of the trust in the organization could be responsible behind the diminished moderating role of this variable to moderate the relationship between burnout and psychological contract violation among IT professionals working in software development firms.

Conclusion:

This research highlighted the crucial role of the mediating variable that is played by burnout for IT professionals. Results stressed the fact that burnout was found to be the potential predictor of turnover intentions and psychological contract violation was a strong predictor of burnout. When employees feel or perceive that their organization has failed to keep their promises or commitments and has violated the psychological contract between them it will elevate the levels of burnout among employees.

There is already an increased chance of burnout among IT employees as the IT sector has a high-pressure working environment due to strict deadlines and a stressful workload. Employees will feel tired and exhausted and unable to perform their work-related activities efficiently. Psychological contract violation leads to burnout and is visible in the form of burnout symptoms. Burnout in past literature has been recognized and identified as a workplace stressor. This research emphasizes the health and well-being of the employee. Burnout negatively affects both the organizational outcome and individual employees.

Addressing the issue of burnout is a crucial responsibility of the organization's human resource management. It is essential and holds significance for firms to understand how psychological contract violation open the door to burnout and eventually affect turnover intentions among IT employees. Acknowledging the mediating function of burnout can lend a helping hand to project managers and organizations to alter strategies and implement interventions to direct attention towards burnout symptoms. It can diminish the undesirable consequences of violation of a psychological contract on an employee's health and the success of the project.

However, self-efficacy does not play the potential role of moderator in moderating the relationship between psychological contract violation and burnout. This lack of moderating role of self-efficacy is affected by the presence and absence of other factors associated with an organization or individual, such as organizational trust.

This research study highlights the importance of active measures required for addressing and managing violations in the psychological contract by discovering the significant impact of psychological contract violation on turnover intentions. Managers of the IT industry should be

watchful regarding the behavior of the employee as a result of the perception of violation of psychological contract, to address this issue timely and to avoid the risk of turnover. Managers should initiate open communication with each team member so employees can express their opinions and feelings openly.

They should be aware of the skills and behavior patterns of their employees for quick recognition in changes in behavior. They should also look for the symptoms of burnout. Appreciating the employees for their achievements will enhance the job satisfaction among employee and will reduce the risk of turnover and burnout. Employees should be allowed to have spare time, and organization should plan different strategies to mitigate the risk of psychological contract violation, such as planning outdoor activities, conducting training programs for dealing with workload and ensuring the positive and healthy environment for the company.

The mediating role of burnout is the crucial aspect of this study, which emphasizes the recognition of burnout among project employees. It is very important for the organizational success and health of the employee. Managers and upper management should provide feedback regularly, appreciate the hard work of their employees, and hold weekly or monthly meetings in order to address the queries of the employees. Diminished productivity, Increased number of leaves, weak coordination with colleagues, and variation in behavior patterns of the employee are some early signs that should be identified by managers to determine burnout. Effective strategies should be implemented to encourage positive and healthy culture of the office, hurdle-free communication, respect for different opinions and loyal appreciation.

Lastly, scarcity of organizational trust can affect the self-efficacy of the employees. The success and competency of the employees are directly influenced by the trust level of upper management or the organization. Effective leadership enhances the trust level among employees and should listen to and resolve the employees' queries so that the project outcome is not affected.

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