Employee Motivation, Job Reengineering, and Perceived Job Satisfaction: A Quantitative Correlational Approach

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Abstract

This quantitative research investigated the correlation between employee motivation, job reengineering, and the perception of job satisfaction among the civilian employees of the Department of Defense located in Washington, D.C., United States. The theoretical foundation for the study was rooted in Deci and Ryan's (1985; 2000) self-determination theory of motivation. The researcher utilized a non-experimental correlational research design and an appropriate non-probability convenience sampling method to collect data from fifty-five (55) participants. The multidimensional work motivation, job diagnostic, and the job satisfaction scales were used to measure the variables. Non-parametric tests were used to measure the correlation between the variables and three hypotheses were tested. The results showed a strong and positive relationship exists between employee motivation, job reengineering, and the perception of job satisfaction. These findings suggest that business leaders and human capital managers of private and government enterprises may use the study as a focal point to understand a person-job fit, establish lean organizational efficiencies, and formulate strategies to improve motivation and reduce turnover.

Keywords: Emotional Intelligence, Employee Motivation, Job Design, Job Reengineering, Job Redesign, Job Satisfaction, Metacognitive Abilities, Perception, Perception of Job Satisfaction, And Self-Determination Theory
Introduction

Human capital management plays a pivotal role in the success or failure of an organization, and the execution of human capital strategies is essential to the effectiveness of the workforce. Human capital strategists and business managers consider employee motivation as a central issue to achieving organizational goals. The study of motivation and the theoretical contribution to the field of business management is evident in the formulation of short and long-term strategies poised to boost productivity, job design, job satisfaction, and workplace engagement (Deci & Ryan, 1985; 2000). Additionally, motivation plays a significant role in understanding human behavior poised to influence organizational performance, effectiveness, and job satisfaction (Alam et al., 2020; Chen et al., 2020; Rakhi & Kumar, 2015).

Deci and Ryan (1985, 2000) and Ryan and Deci's (2017, 2020) self-determination theory (SDT) present a broad framework for understanding factors influencing intrinsic motivation, job satisfaction, psychological wellness, and all issues of direct relevance to individual growth. The SDT, developed as a traditional empirical approach to understanding motivation and personality, employs an organismic meta-theory that highlights the role of intrinsic motivation in personality development and behavioral self-regulation (Deci & Ryan, 1985). Employees' satisfaction is highly influenced by individuals' beliefs, attitudes, and perceptions (Barnyak & Paquette, 2010) and the quantitative study of Kumedzro (2018) revealed that motivation and perceptions are significant predictors of job satisfaction. Since conception, however, the SDT has been re-evaluated, modified, and enhanced to incorporate extrinsic motivation (Ryan & Deci, 2017, 2020).

Antecedent studies have investigated the question of whether motivation influences job satisfaction and job design in the workplace (Breaugh et al., 2018; Bruning & Campion, 2018; Earl et al., 2019; Kumedzro, 2018; Olafsen & Bentzen, 2020). Breaugh et al. (2018) discussed the significance of the factors influencing job satisfaction and the impact on employee motivation and found intrinsic and extrinsic motivation positively correlate with job satisfaction. The findings from the study contribute to the consideration for a study to examine the influence of employee motivation on job reengineering and the perception of job satisfaction in the workplace. Olafsen and Bentzen (2020) examined the relationship between psychological detachment and motivation and found a positive correlation exists between satisfaction, job recovery, and motivation.

Bruning and Campion (2018) examined the role of job redesign and the impact on performance. The study, which identified the factors influencing the job design process, addressed the question of whether job redesign is influenced by intrinsic or extrinsic motivation. Additionally, several researchers that have examined similar constructs found a positive correlation exists between job design, job satisfaction, and motivation (Mortimer & O'Connor, 2014; Singh & Tiwari, 2011; Taylor, 2014) in the workplace. Therefore, it is apparent that motivation, job design, and job satisfaction studies have been significant in understanding organizational behavior in the workplace. Several studies have examined these topics separately; however, limited studies have made the connection between employee motivation, job reengineering, and the perception of job satisfaction in the workplace.

This research study focused on the use of quantitative research method and a non-experimental correlational design to investigate the correlation between employee motivation, a dependent
variable, job reengineering, and the perception of job satisfaction (independent variables) among civilian employees of the Department of Defense (DOD) located in Washington, D.C., United States. The correlational design employed the use of a 15-item questionnaire measured on a 6-point Likert scale (Balasubramanian, 2012; Zaman et al., 2020) to collect data from participants. The sample size was determined through the use of two distinct determinants in G*Power; the correlation point biserial model with Cohen's effect size, and the fixed model R² with Fisher's effect size ($\eta^2$). The researcher estimated a priori decision effect size ($\eta$), Fisher's effect size ($\eta^2$), and established the appropriate Type I and Type II errors with a given $\alpha$, and Power (1-$\beta$ err prob) for a two-tailed test (Faul et al., 2009).

Prior to data collection and dissemination of questionnaires to participants, the researcher obtained approval from Columbia Southern University Institutional Review Board (IRB). The researcher adhered to the social behavior research standards identified by the Belmont Report of the U.S. Department of Health and Human Services (2018). The Belmont Report delineates ethical principles and guidelines for the protection of human subjects of research. The researcher ensured there were no harm or health risks to participants.

The research data analysis consisted of four essential steps namely, (a) descriptive analysis, (b) reliability analysis, (c) exploratory data analysis, and (d) hypotheses testing. To limit Type I error in hypotheses testing, a standard inferential testing $\alpha$ of .05 was established (Lieberman & Cunningham, 2009), while a Power level of .95 was established to avoid a Type II error (Cohen, 1992). The researcher considered the use of non-parametric tests for hypotheses testing based on the results from the test or normality. Based on the non-linear results from the tests of normality, the researcher used the non-parametric Spearman correlation coefficient ($r_s$), Kendall's Tau correlation ($\tau_b$), Somers' delta ($d$), or the Goodman and Kruskal's gamma ($G$) to measure the correlation between the variables. The research study concluded with a summary of findings and conclusion, theoretical and managerial implications, and recommendations for future research. The background of the study, problem and purpose statements, research questions and hypotheses, advancing theoretical knowledge, application to business administration, and definition of terms are discussed in the introduction to the study.

## Background of the Study

Employees play an integral role in influencing organizational behavior, culture, and workplace dimensions, such as workflow processes, the tone at the top, teamwork, collaboration, decision-making, and performance, in the course of advancing organizational goals, and achieving outcomes (Berdicchia et al., 2016; Hassoo & Akbay, 2020). The research study examined the role of employee motivation in understanding the interplay between job reengineering and the perception of job satisfaction. As such, the researcher assessed that the antecedent study of employee motivation may explain this relationship, in the same manner, that basic psychological needs, metacognitive abilities, emotional intelligence, and job redesign characteristics may explain the relationship between the variables under consideration. The examination of the relationship between employee motivation and job reengineering will provide private and public organizations with the ability to increase competitive advantage and maximize efficiencies.
Based on the SDT (Deci & Ryan, 1985, 2000; Ryan & Deci, 2017; 2020), the researcher investigated the correlation between employee motivation, job reengineering, and the perception of employee satisfaction among civilian employees of the DOD. The SDT provides a framework for investigating the role of employee motivation, and the correlational relationship with job reengineering, and perceived employee satisfaction. Moreover, this research study used job reengineering and job redesign interchangeably. Job reengineering represents an adaptive, proactive, and collaborative effort between employees, supervisors, and the organization, and provides firms with the opportunity to change job functions, job characteristics, improve organizational efficiency, and enhance a person-job fit (Berdicchia et al., 2016; Holman & Axtell, 2016).

This research study follows the recommendations for future research proposed by Olafsen and Bentzen (2020) "as this is the first known study to examine the interplay between autonomous work motivation and psychological detachment, it is, of course, necessary for the study to be replicated with other samples" (p. 9). Similarly, this study follows the recommendations of Earl et al. (2019) that "leaves open avenues for future research to replicate the study with other jobs, industries, and cultures" (p. 43). Furthermore, this study incorporates Bruning and Campion (2018) recommendation that "future research should consider specific occupations to reduce the error associated with different work requirements and conditions" (p. 519). Moreover, the findings from this research may serve as a focal point in developing human capital strategies to boost productivity, increase efficiencies, and improve employee performance.

Problem Statement

This research study focused on investigating the correlation between employee motivation, job reengineering, and the perception of job satisfaction among the civilian employees of the DOD located in Washington, D.C., United States. Several studies have examined these topics separately; however, limited studies have made the connection between employee motivation, job reengineering, and the perception of job satisfaction. In a study to examine the relationship between psychological detachment and motivation among employees at intensive firms \((n = 239)\), Olafsen and Bentzen (2020) found a strong relationship exists between satisfaction, job recovery, and motivation. In a study to examine the relationship between work satisfaction and job characteristics among sales engineers from a U.S.-based workplace \((n = 111,421)\), Earl et al. (2019) found a moderate relationship exists between job satisfaction and job design. In a study to examine the role of job crafting, enrichment, engagement, and performance among working adults in the United States \((n = 323)\), Bruning and Campion (2018) found a strong relationship exists between job design and job performance. In a study to examine the role of motivation on job satisfaction \((n = 677)\), Breaugh et al. (2018) found a strong relationship exists between intrinsic and extrinsic motivation and job satisfaction. This research study follows the recommendations for future research proposed by Olafsen and Bentzen (2020) "as this is the first known study to examine the interplay between autonomous work motivation and psychological detachment, it is, of course, necessary for the study to be replicated with other samples" (p. 9). Similarly, this study follows the recommendations of Earl et al. (2019) that "leaves open avenues for future research to replicate the study with other jobs, industries, and cultures" (p. 43). Furthermore, this study incorporates Bruning and Campion (2018) recommendation that "future research should consider specific occupations to reduce the error associated with different work requirements and
conditions” (p. 519). These antecedent gaps in research led to the basis for the study. The problem under consideration is relevant because it will enhance human resource managers’ understanding of the impact of employee motivation on job design, planning, training, and the development of programs poised to improve skills utilization, efficiency, and productivity. The problem under consideration is significant because the study of motivation plays a pivotal role in managing human capital and understanding organizational behavior in the workplace. No current research that has examined the impact of employee motivation on job reengineering and the perception of job satisfaction could be located, and it is not known if and to what extent employee motivation influences job reengineering and the perception of job satisfaction in the workplace.

**Purpose Statement**

The purpose of this study was to investigate the correlation between employee motivation, job reengineering, and the perception of job satisfaction among the civilian employees of the DOD located in Washington, D.C., United States. The research study focused on the use of quantitative, correlational research design to investigate employee motivation, job reengineering, and the perception of job satisfaction. This research study may provide senior executives, human resources professionals, and business managers with competitive advantage on understanding the framework surrounding motivation, and the factors influencing job redesign, and the perception of job satisfaction in the workplace. The findings may provide empirical support for understanding the significance of employee behavior and provide new insights into skills utilization, talent, and performance management. The study may provide a competitive advantage to senior executives, human resources professionals, and business managers on ways to further integrate the framework surrounding motivation, and assess the factors influencing job redesign, and the perception of job satisfaction in the workplace. Furthermore, the findings may offer empirical support for the understanding of employee behavior and provide new insights into the management of skills utilization, talent acquisition, and performance enhancement.

**Research Questions and Hypotheses**

The three research questions and hypotheses that guided the study were as follows:

- **RQ1**: What is the relationship between employee motivation and job reengineering among civilian employees of the DOD?

- H1o: There is no significant relationship between employee motivation and job reengineering among civilian employees of the DOD.

- H1a: There is a significant relationship between employee motivation and job reengineering among civilian employees of the DOD.

- **RQ2**: What is the relationship between employee motivation and the perception of job satisfaction among civilian employees of the DOD?
H2o: There is no significant relationship between employee motivation and the perception of job satisfaction among civilian employees of the DOD.

H2a: There is a significant relationship between employee motivation and the perception of job satisfaction among civilian employees of the DOD.

RQ3: What is the relationship between job reengineering and the perception of job satisfaction among civilian employees of the DOD?

H3o: There is no significant relationship between job reengineering and the perception of job satisfaction among civilian employees of the DOD.

H3a: There is a significant relationship between job reengineering and the perception of job satisfaction among civilian employees of the DOD.

Advancing Theoretical Knowledge

This research study advances and contributes to the SDT of motivation. Deci and Ryan (1985) developed to provide a broad framework for understanding factors influencing intrinsic motivation, job satisfaction, psychological wellness, and all issues of direct relevance to individual growth. Prior studies that have used the SDT to examine the role of motivation, job satisfaction, job redesign, and job performance assessed that motivation plays a significant role in understanding organizational behavior, the utilization of employee skills, and the achievement of organizational goals (Abós et al., 2019; Alwerthan et al., 2018; Breaugh et al., 2018; Sheeran et al., 2020). This research study contributes to the current understanding of the role of motivation in the workplace and provides support for mitigating organizational challenges relating to job reengineering and the perception of employees' job satisfaction. The empirical study of Ryan and Deci (2020), which examined intrinsic and extrinsic motivation poised that the comparative study of motivation provides researchers the ability to identify the eudaimonia to motivation. This research study contributes to the use of the SDT and responds to the lack of research into the role of job reengineering and the perception of job satisfaction (Al-Musadieqet al., 2019).

While existing researches have demonstrated that intrinsic motivation can increase task performance, Shin and Grant (2019) examined the role of intrinsic motivation on job redesign task. The study, which utilized the SDT, surmised that high intrinsic motivation in one task reduces performance on less intrinsically motivating tasks. This research study relates to the work of Shin and Grant (2019) and focuses on providing support for the use of skills utilization in job reengineering, assessing employee-job fit, and efficiency in the workplace. The meta-analysis of Steingut et al. (2017), which utilized the SDT to examine the effects of autonomous motivation and performance outcomes (perceived competence, satisfaction, and perceived relatedness) suggested that motivation affects the level of desired output in productivity, performance, and satisfaction level. This research relates to the work of Steingut et al. (2017) and may be used to explore areas of theoretical interest in the meta-analysis of intrinsic motivation. This research study may provide further empirical support relevant to the use of the SDT in investigating the influence of employee motivation on job reengineering and the perception of job satisfaction in the workplace.
Application to Business Administration

Business managers, policy development officer, business strategists, and human resources managers may benefit from the investigation of the influence of employee motivation on job reengineering and the perception of job satisfaction in the workplace. Human resources and business strategists may be able to use the research findings as a pivotal point in developing organizational, and management strategies for talent acquisition, retention, training, turnover reduction, and productivity maximization. Business managers of corporations and government agencies may use the research findings in formulating strategies for improving policies for employee development and retention performance, workflow processes, and work design.

Organizational leaders within government agencies, corporations, and small businesses may use the findings to formulate strategies to improve performance, job redesign processes, and efficiencies. The findings may be used as a focal point for establishing lean organizational efficiencies, understanding a person-job fit, and formulating strategies poised to enhance competitive advantage and dynamic workforce.

Definition of Terms

The following terms were used throughout the study:

*Cognitive Ability*. The mental acuity involved in the acquisition and application of knowledge, including understanding, processing, and learning that represents an individual's ability to acquire and sort through various information from the environment (Alcover & Topa, 2018).

*Emotional Intelligence*. The ability to perceive one's emotion, and that of others, and the ability to understand the meaning of these emotions, and regulate emotions (Kidwell et al., 2020; Neil, 2019).

*Employee Motivation*. The level of energy, commitment, persistence, and creativity employee demonstrate on the job (van Tuin et al., 2020).

*Extrinsic Motivation*. Feeling of being controlled with a sense of pressure (Gagné & Deci, 2005).

*Intrinsic Motivation*. Endorsing one's actions at the highest level of reflection, acting with a sense of volition, and having the experience of choice (Lynch et al., 2020).

*Job Design*. Actions employees take to change the task, relation, or cognitive boundaries of a job (Wang et al., 2020).

*Job Reengineering or Job Redesign*. An organizational or individual initiative that is poised to modify the level of available demands and resources to improve a person-job fit (Berdicchia et al., 2016).
Job Satisfaction. The pleasurable or positive attitude resulting from the overall positive evaluation of one's job or work experiences (Tziner et al., 2012).

Perception. The process by which things, events, and relationships become phenomenally present and real (Hochberg, 1956; Koen et al., 2020; Zhang, et al., 2020).

Perception of Job Satisfaction. The degree to which an employee believes in a positive feeling about his or her job resulting from an evaluation of its characteristics(Cullen et al., 2014).

Physical Abilities. The degree to which an individual performs a physical act involving the use of the body and includes the use of strength, stamina, flexibility, coordination, and psychomotor abilities such as control precision, and finger dexterity (Dodig et al., 2020; Georgiev, 2019).

Self-determination Theory. A theoretical framework that offers the assumption that human beings are active social agents that take in life experiences in social contexts and integrate these with their sense of self, thus making meaning and developing a more unified sense of self-identity (Deci and Ryan, 1985, 2000; Ryan & Deci, 2017, 2020).

Literature Review

The study of motivation has been significant in understanding the dimensions of workflow processes, the tone at the top, team dynamics, decision-making, performance measurement, and in advancing organizational goals (Berdicchia et al., 2016; Hassoo & Akbay, 2020). The investigation of the correlation between employee motivation and job reengineering may provide private and public organizations with the opportunity to increase competitive advantage and maximize efficiencies.

Theoretical Foundations

The theoretical foundation for this study is rooted in the self-determination theory (SDT) of Deci and Ryan (1985). The SDT presents a broad framework for understanding factors influencing intrinsic motivation, job satisfaction, psychological wellness, and all issues of direct relevance to individual growth. The SDT, developed as a traditional empirical approach to understanding motivation and personality, employs an organismic meta-theory that highlights the role of intrinsic motivation in personality development and behavioral self-regulation (Deci & Ryan, 1985). Since conception, however, the SDT has been re-evaluated, modified, and enhanced to incorporate extrinsic motivation (Ryan & Deci, 2017, 2020).

The Self-determination Theory of Motivation

The SDT conceptualizes that motivation is based on the pursuit and satisfaction of psychological needs, autonomy, competence, relatedness (Deci & Ryan, 1985). The initial application of the SDT suggested that working toward maximal self-determination should be a central organizing principle for members of the workforce, and the results of the initial application indicated that self-
determination constructs, autonomy, competencies, and relatedness enhance organizational effectiveness and employee growth (Deci & Ryan, 1985).

The SDT purports that three physiological attributes, (a) autonomy, (b) competences, and (c) relatedness are distinct human needs influencing human and organizational behavior, employee well-being, growth, productivity, and development in the workplace (Alwerthan et al., 2018; Deci & Ryan 2000; Ryan & Deci, 2017, 2020). Therefore, intrinsic motivation within the context of the SDT can be achieved through the satisfaction of three basic psychological needs (Deci & Ryan, 2000). This study focuses on utilizing the physiological constructs of the SDT to investigate the correlation between employee motivation (intrinsic), job reengineering, and the perception of job satisfaction among the civilian employees of the DOD. The study of employee motivation (intrinsic) may contribute to how the constructs of the SDT applies to metacognitive abilities, and job redesign characteristics.

This study assessed that the desire for autonomy, which provides employees with the flexibility of addressing specific aspects of job-related objectives relates to performance or expected outcomes (the nature of job design or job reengineering). Competency provides employees with the ability to project an outcome leading to scalable job satisfaction level (perceived job satisfaction and metacognitive abilities). Relatedness, which pertains to the ability of an employee to integrate within the workforce and build sustainable relationships, leads to a higher satisfaction level (motivation). The SDT applies to the study under consideration, aligns with the research question and hypotheses, and provides a theoretical construct for investigating the research problem.

**Review of the Literature**

The researcher examined the contributions of current empirical research to employee motivation (intrinsic motivation), and extrinsic motivation, job reengineering (job redesign), and the perception of job satisfaction in the workplace. The researcher extended the focus of recent empirical research to include sub-themes, such as the characteristics of job reengineering (job rotation, job enrichment, and job enlargement), metacognitive aspects of job reengineering (cognitive abilities, emotional intelligence, physical abilities, and psychomotor abilities), job design, and the perception of job satisfaction. Additionally, the review of literature includes the research methodology, design, and instrumentation.

**Employee Motivation**

Employee motivation is the level of energy, commitment, persistence, and creativity demonstrated on the job by an employee (van Tuin et al., 2020). Chen et al. (2020) expanded on the definition of employee motivation and defined it as undertaking an activity due to its alignment with one's values, goals, or identities. Intrinsic and extrinsic motivations are pivotal central milestones to the SDT (Gagne & Deci, 2005). The SDT introduces a continuum of motivational orientations and incorporates intrinsic and extrinsic motivation (Gagne & Deci, 2005; Ryan & Deci, 2017; 2020).
Intrinsic Motivation

Intrinsic employee motivation is promising in the workplace as it is relatively consistent with an individual's psychological need for autonomy (Ryan & Deci, 2000). Intrinsic motivation serves as a function of an individual's value and goal influenced by an organization's objectives. Intrinsic motivation involves endorsing one's actions at the highest level of reflection, acting with a sense of volition, and having the experience of choice or the perception of satisfaction (Chen, et al., 2020). The identification of intrinsic motivation can provide firms with the ability to mitigate agency problems, reducing the need for monitoring while yielding higher satisfaction and productivity (Daud, 2020; Shakil, 2020).

Grounded in the SDT, Lynch et al. (2020) investigated the factors influencing motivation and psychological needs \((n = 115)\) and found that intrinsic motivation is influenced by need satisfaction when needs are fulfilled in a particular context. Grounded in the SDT, the empirical research of Chen et al. (2020) investigated the role of employee intrinsic motivation on management control system design \((n = 468)\). The results of the analysis of variance \(r^2 = .25, p < .001,\) Cronbach \(\alpha = .91\) were statistically significant and showed employee motivation is positively associated with effort, individual performance, and creativity and negatively associated with turnover intentions. Çirak and Erol (2020) investigated the factors influencing motivation \((n = 336)\) and found that intrinsic motivation is affected by need satisfaction when needs are fulfilled in a particular context. The results of the multivariate analysis of variance were statistically significant, \(F(6.323) = 4.882, r^2 = .083, p < .05.\)

Extrinsic Motivation

Contrast to intrinsic motivation, extrinsic motivation involves a feeling of being controlled with a sense of pressure (Gagné & Deci, 2005). Extrinsic rewards refer to financial and non-financial rewards offered by organizations to their employees to promote a specific behavior (Malik et al., 2019). The antecedent studies of extrinsic rewards induce extrinsic motivation (Deci & Ryan 2000; Ryan & Deci, 2017, 2020). Following its conception, the intrinsic construct of the SDT has been modified to incorporate extrinsic motivation across multiple domains (Çirak & Erol, 2020; Gagné & Deci, 2005, Ryan & Deci, 2020).

Job Reengineering or Job Redesign

Reengineering is a fundamental rethinking and radical redesign of business processes, leading to a dramatic improvement according to the critical contemporary measures of achieving results (Rab & Rab, 2016). Reengineering as an essential aspect of business architecture and the business modeling process aims to improve the performance of an organization by introducing technical reorganization of job and task function (Hackman & Oldman, 1975).

Reengineering is realized primarily by integrating new information technologies that conceptualize the orgasmic construct of the job characteristics model, while replacing the traditional forms of workplace processes within the organization (Okolo et al., 2018). Additionally, reengineering serves as a way of economizing the productivity and efficiency, which may result in a high level of
job satisfaction, autonomy, and employee engagement, or if not carefully restructured, may result in unemployment (Kalinina et al., 2020).

Job reengineering is an organizational or individual initiative poised to modify the level of available demands and resources to improve an employee-job fit (Berdicchia et al., 2016). Tims and Bakker (2010) extended the definition to include an organizational or employee-driven process through which job functions or job characteristics are changed to enhance individual needs, workflow processes, productivity, and efficiency. Job reengineering is designed to fit, size, or resize employees by increasing task diversity and job responsibility to motivate employees, increase job satisfaction, and productivity, organizational citizenship, and efficiency (Cote, 2019).

Job reengineering is linked to the self-determination theory based on the increase in the intrinsic factors such as increased job responsibility (autonomy), a feeling of accomplishment or achievement (relatedness), and ability to grow with the job tasks related to jobs (competence). These factors help increase motivation, the perception of job satisfaction, improved work performance, and reduced attrition. Job reengineering based on the JCM (Hackman & Oldham, 1975) is intrinsically related to the need for autonomy construct in the SDT (Ryan & Deci, 2017). The implementation of the five essential job characteristics constructs in the job reengineering process, job rotation, job enlargement, and job enrichment (Cote, 2019) provide an opportunity to motivate employees.

Pila-Ngarm and Siengthai (2016) assert that job reengineering, motivation, and teamwork are positively related to productivity. The findings of Guo et al. (2014) showed that a strong relationship exists between job satisfaction and high-involvement work practices, and employee satisfaction can increase participation in high-involvement practices. Additionally, the study indicated that job satisfaction was positively associated with work design involvement, which required high problem-solving skill levels for job rotation plans.

Job reengineering provides an avenue to innovation and it creates a different job within the context of defined jobs, redefines job duties through tasks, and presents relational boundaries of the job, job identities, and the meaning of the work (Okolo et al., 2018; Rab & Rab, 2016; Tullar, 1998). Job reengineering alters physical task boundaries by changing the form, scope, or quantity of tasks, modifies cognitive task boundaries, and adjusts relational boundaries to change the quality and/or the frequency of interactions with persons at the job. This research study assesses that job reengineering conceptualizes the job design model (Hackman & Oldham, 1975) and the SDT, meta-cognitive demand, competence, skill variety, task identity, task significance, autonomy, and feedback.

Metacognitive Aspects to Job Reengineering

Cognitive, emotional, and physical abilities influence the manner of redesigning jobs to fit and accommodate employees without relevant skill sets to perform job functions as assigned. Cognitive, emotional, and physical abilities play a significant role in ensuring that a person-job fit improves workplace productivity, and organizational effectiveness (Hernaus et al., 2019). These abilities allow the job redesign process to reduce job complexities, increase employees' autonomy, job perception, job knowledge, and job skills (Fisher et al., 2014).
Emotions are important in understanding the behavior, attitudes, and actions in organizations. The display of emotions can result in physiological and behavioral impacts in the workplace (Chen et al., 2020), and can take the form of positive or negative emotions. Positive and negative aspects of emotions have the propensity to influence organizational behavior, culture, and dimensions such as employees, workflow processes, the tone at the top, teamwork, collaboration, decision-making, and performance. Overall, this subsection supports the discussion that cognitive, emotional, and physical abilities relating to accommodating employees without relevant abilities to improve a person-job fit, enhance workplace productivity, effectiveness, skill-building, performance, job redesign, and job satisfaction.

**Cognitive Abilities or Emotional Intelligence**

*Emotional ability or emotional intelligence* refers to the human ability that affects the perception, interpretation, and understanding of social functioning, and the skills for processing emotion-laden information (Kidwell et al., 2020). Neil (2019) extended the definition and described emotional ability as a mental ability relating to an individual's emotional experience. The emotional ability or intelligence represents an individual's ability to recognize behaviors, impulses, reactions, and moods in a situation.

Emotional ability creates a state of readiness for action by prompting distinct behavioral responses within the individual's environment. Within the workplace, employees with high emotional abilities utilize norms with more developed feelings in communication, while employees with lower emotional abilities utilize norms with less expressive feelings to communicate. Beyond individual choices, emotional ability plays a significant role in relational interaction within the workplace and promotes success in job redesign. Lopes (2016) noted that emotional ability or intelligence enables an organization to reduce the negative effects such as anxiety, depression, stress, and mood swing associated with job redesign to improve job performance and productivity.

Within the job redesign process, the components of emotional ability; emotional perception, emotional understanding, emotional facilitation, and emotion management (Neil, 2019), provide the ability to accommodate employees without relevant abilities. In redesigning jobs, these four areas of emotional ability within employees are assessed to match job rotation, job enrichment, and job enlargement process, and facilitate a person-job fit.

**Physical Abilities**

Physical ability describes the degree to which an individual performs a physical act involving the use of the body and includes the use of strength, stamina, flexibility, coordination (Georgiev, 2019), and psychomotor abilities such as control precision, and finger dexterity (Dodig et al., 2020). Physical abilities play a significant role in redesigning jobs to fit employees with specific disabilities, mobility or health issues, physical impairments, older population, and employees with a higher rate of cognitive decline within the workforce (Fisher et al., 2014). Job redesign processes may incorporate the dimension of physical abilities by designing activity-based workspaces and remote work (Candido et al., 2019), reengineering jobs to eliminate certain physical requirements such as weight restriction, providing reasonable accommodation for the use of electric scooters for employees with mobility or physical challenges.
Emotions

Emotion refers to the overt reactions of the state of mind that express feelings about events or situations, or a physiological and cognitive state that results from stimulation (Ihtiyaroglu, 2019; Şchiopu, 2015). Eketu and Ayondu (2017) describe the emotion as a strong feeling of distinctive thoughts, psychological and biological states, with a range of propensity to act. Emotion is a state of mind that allows an individual to react positively or negatively to situations, events, or in a decision-making process. Positive emotions stem from a range of workplace fulfillment such as job security, promotion, high level of performance, and achievement (Demirbag et al., 2016; Ihtiyaroglu, 2019). However, negative emotions stem from a range of workplace issues such as interpersonal conflict, work overload, burnout, and emotional exhaustion (Jaramillo et al., 2011).

The display of emotions relates to the relatedness construct of the SDT (Ryan & Deci, 2020), which may result in physiological and behavioral impacts in the workplace (Chen et al., 2020), and can take the form of positive or negative emotions. Positive emotions serve as a strategic tool for improving goal attainment in social interaction, (Wong et al., 2013), lowering attrition, encouraging employee's intent to continue working (Şchiopu, 2015), and fostering a great working environment.

Perception of Job Satisfaction

Employee satisfaction is highly influenced by the individual's beliefs, attitude, and perception of the job (Kumedzro, 2018). Perception is the process by which things, events, and relationships become phenomenally present and real (Hochberg, 1956; Koen et al., 2020; Zhang, et al., 2020), and the perception of job satisfaction refers to the degree to which an employee believes in a positive feeling about his or her job resulting from an evaluation of its characteristics (Cullen et al., 2014). Tziner et al. (2019) argued that the perception of job satisfaction culminates from an employee's positive or negative feeling because of the overall positive evaluation of job role, job duties, work experiences, and work environment. Ryan and Deci (2017, 2020) poised that job satisfaction can be linked to intrinsic factors of motivation deriving from internally mediated rewards related to the essence of the job.

Similarly, this research study assessed that the perception of job satisfaction arising from intrinsic motivational qualities such as seriousness in work, rate of interest to the job, job importance, responsibility, self-esteem, and self-control may be linked to how jobs are redesigned in the workplace. Tziner et al. (2019) investigated the factors influencing emotional intelligence, work motivation, and job satisfaction in the workplace motivation and found that a strong relationship exists between job satisfaction and motivation to work. The results of the study were statistically significant $n = 3,293$, $\alpha = 0.96$, $p < 0.05$. Kumedzro (2018) investigated the perception of job satisfaction and retention among employees in the workplace and found that a strong relationship exists between the perception of job satisfaction and employee retention. The results of the study, which utilized the one-way analysis of variance to compare the perceptions of the three different groups were statistically significant $n = 140$, $F(2, 137) = 0.353$, $p > 0.05$.

The SDT asserts that employee satisfaction is an important source of employee motivation, and the motivational factors constructs such as autonomy, competence, and relatedness are related to the
perception of job satisfaction (Deci & Ryan 1985, 2000). Kumedzro (2018) argued that the perception of job satisfaction reflects how content an employee feels in his or her job role, which is an indicator of work-related well-being. Furthermore, the perception of job satisfaction plays a critical role in employee retention and maintaining a sustainable level of attrition in the workplace. Chi-Sum Wong et al. (1998) opined that the evaluation of perceived job satisfaction from the employee's perspective fosters positive behavioral and attitudinal outcomes that promote professional commitment, organizational citizenship, and job involvement.

Oldman and Hackman (2010) argued that overall job attitudes, of which job satisfaction is one, will initiate a rationalizing process through which employees understand their roles by cognitively constructing characteristics of their job that are consistent with the workplace objectives. Job perception is the effect of job satisfaction rather than the cause. According to James et al. (1978), James and Jones (1980), and James and Tetrick (1986), employees form job perception by assigning unique meanings to work situations based on their jobs and other relevant situational attributes. Attitudes are formulated based on these perceptions and employees adjust the assignment of meanings if inconsistencies exist between their perception of the job and attitudes. This process is an interactive social learning adjustment process poised to maintain consistencies between perception and attitudes (James & Tetrick 1986). Based on this analogy, this research argues that job perception and job satisfaction may be reciprocally related.

Methodology

This research study focused on the use of a quantitative research method to investigate the correlation between motivation (dependent variable), job reengineering, and the perception of job satisfaction (independent variables) among civilian employees of the DOD. The quantitative research method refers to a scientific approach, emphasizes, and focuses on quantification, collection, and analysis of data by testing theories, hypotheses, and making accurate inferences and generalizability of the study under investigation (Yue & Xu, 2019). The quantitative research method uses a deductive approach that relies on statistical techniques and systematic measurements to test hypotheses, determine the correlation between variables, draw scientific conclusions, and generalize findings to a larger population (Yue & Xu, 2019).

In contrast, the qualitative research method is an inductive approach that focuses on phenomena and utilizes unstructured or semi-structured techniques, such as observation, notetaking, document review, audio, and visual materials, and interviews to interact with participants, explore human behavior and understand social phenomena in a naturally occurring environment (Creswell & Creswell, 2018; Koutiva et al., 2017). Lenger (2019) explained the qualitative research method as a phenomenological approach that observes patterns and participants, studies human and social behavior, collects and documents evidence, and examines the social phenomenon in a naturally occurring setting. The qualitative research method serves as a phenomenological approach that observes patterns, documents evidence, and examines the social phenomenon in a naturally occurring setting. As such, the use of the qualitative method is outside the scope of this study and was not an appropriate research method for consideration for the study.

The quantitative method aligns with the study's research purpose, research questions, hypotheses, and variables, and it is a proper research method for investigating the relationship between the
dependent and independent variables (Zhang et al., 2019). The quantitative method examines the narrowly defined research questions by utilizing a scientific method to select samples and collect data from a population, and a statistical method to analyze data, and generalize findings to a larger population (Borrego et al., 2009). Additionally, previous researchers have demonstrated that a quantitative method is appropriate in investigating the relationship between motivation, job satisfaction, and job design (Al-Musadieq et al., 2019; Edinger & Edinger, 2018; Nowlin et al., 2018; Tao & Campbell, 2020; Westover et al., 2020). As such, a quantitative method was an appropriate method for the study.

Research Design

This quantitative research study focused on the use of non-experimental correlational research design to investigate the dependent (employee motivation) and independent variables (job reengineering and perceived job satisfaction). The correlational design employed the use of a 15-item questionnaire measured on a 6-point Likert scale to collect data from participants (Balasubramanian, 2012; Zaman et al., 2020). According to Kamarposhti and Bagheri (2015), a questionnaire is a standard method to collect field data and test hypotheses in quantitative research. A questionnaire is a common data collection method used in examining motivation, job design, and job satisfaction (Bruning & Campion, 2018; Olafsen & Bentzen, 2020; Pila-Ngarm & Siengthai, 2017).

The 6-point Likert scale, which ranged from disagree very much, disagree moderately, disagree slightly, to agree slightly, agree moderately, and agree very much, were assessed on a Cronbach's $\alpha$ scale to ensure consistency with an acceptable Cronbach's $\alpha$ value (Alwerthan et al., 2018; Breaugh et al., 2018; Chen et al., 2020; Cronbach, 1951). The effect size of the correlation statistic, which represents the strength of the relationship between two variables was measured using the G*Power. Effect sizes of .10, .30, and .50 indicate a weak, moderate, or strong relationship respectively (Cohen, 1988, 1992).

Population and Sample Selection

In this quantitative, correlational study, the population consisted of civilian employees of the DOD located in Washington D.C., United States, and the sample, a sub-set and representative of the total population required a sample size between forty-two and forty-eight ($42 > n \leq 48$) based on effect size $p$ and Fisher's effect size $f^2$ in G*Power (Figures 1 and 2). The DOD is a leading employer of civilians in the United States. Conducting a study within the organization would provide the opportunity to provide a greater understanding of the impact of intrinsic motivation on productivity and effectivenes.

The researcher obtained approval from Columbia Southern University institutional review board (IRB) before data collection occurs and disseminated the questionnaire to participants through electronic means while adhering to the social behavior research standards identified by the Belmont Report of the U.S. Department of Health and Human Services (2018). The Belmont Report delineates ethical principles and guidelines for the protection of human subjects of research. The researcher ensured there are no harm or health risks to participants, and all ethical
standards addressing informed consent, transparency, harm to participants, and confidentiality were observed and followed. Additionally, the participants were required to read, acknowledge, and sign the informed consent form electronically before taking the survey.

**Sampling Method and Sample Size Determination**

**Sampling Method**

The two types of sampling methods for selecting participants in a scientific inquiry are probability and non-probability sampling methods (Setia, 2016). Probability sampling is based on chance, while non-probability sampling is based on the researcher's choice, accessibility, and availability of the population. In scientific inquiries, probability and non-probability sampling methods have been used to select participants from the total population (Setia, 2016). Probability sampling methods include random, systematic, cluster, and stratified sampling methods, while non-probability sampling methods include purposive sampling, convenience sampling, or quota sampling (Valerio et al., 2016). This research study adopts the use of non-probability convenience sampling.

This study adopted the use of non-probability convenience sampling method, and the participants selected will be representative of the entire population. The non-probability convenience sampling is the easiest method of sampling because participants will be selected based on availability and willingness to take part in the survey (Daneshjoovash & Hosseini, 2019; Gerlich et al., 2018; Valerio et al., 2016). Furthermore, the results of non-probability convenience sampling may be prone to bias because the number of voluntary participants and sample size may be different from non-participants. This can lead to volunteer bias and the sample may be viewed as non-representative of population characteristics, such as age, marital status, income, or gender (Daneshjoovash & Hosseini, 2019).

The researcher acknowledged volunteer bias based on the number of participants and the unknown number non-participants within the same population. Volunteer bias occurs when the population characteristics of non-participants such as age, race, marital status, gender, or income, which may adversely influence the outcome of a study are not included in a survey (Daneshjoovash & Hosseini, 2019). However, this study did not consider the use of moderating variables or population characteristics, such as age, race, marital status, income, or gender, and as such, the researcher purported that volunteer-bias did not influence the study.

**Sample Size Determination**

Sample sizes ranging between forty-two and forty-eight (Figures 1 and 2) were determined through the use of two distinct determinants in G*Power; the correlation point biserial model to determine the Cohen's effect size and the fixed model R² to determine the Fisher's effect size ($\chi^2$). The researcher estimated a priori decision effect size ($\rho$), Fisher's effect size ($\chi^2$), and established
the appropriate Type I and Type II errors with a given \( \alpha \), and Power (1-\( \beta \) err prob) for a two-tailed test (Faul et al., 2009).

According to Lieberman and Cunningham (2009), a Type I error occurs in statistical analysis when the alternative hypothesis (false positive) is accepted with no true effect, while a Type II error relates to rejecting the null hypothesis when a true effect occurs. To limit Type I error, a standard inferential testing \( \alpha \) of .05 is established (Lieberman & Cunningham, 2009), while a Power level of .95 was established to avoid a Type II error (Cohen, 1992).

**Large Effect Size**

Using a large priori decision effect size \( f^2 = .5 \), \( \alpha = .05 \), a Power (1-\( \beta \) err prob) = .95, and a large Fisher's priori effect size \( f^2 = .35 \), \( \alpha = .05 \), a Power (1-\( \beta \) err prob) = .95 with two predictors, sample sizes ranging from forty-two and forty-eight were determined (Figures 1 and 2).

**Figure 1**

A two-tailed priori sample size calculation, correlation point biserial model using G*Power (Large effect size \( p = .5 \))
Data Analysis and Results

This quantitative, correlational research study focused on investigating the correlation between employee motivation, job reengineering, and the perception of job satisfaction among civilian employees of the DOD located in Washington D.C., United States. The researcher used a non-experimental correlational design to develop a 15-item questionnaire for data collection. A total of sixty-three (63) participants completed the survey; however, eight (8) surveys were found to be incomplete and not analyzed. A total of fifty-five (55) completed surveys were analyzed for the study. Additionally, the survey did not consider the impact of moderating variables such as age, marital status, income, or race but highlights gender proportion during survey completion.

The three research questions and hypotheses that guided this study were as follows:
RQ1: What is the relationship between employee motivation and job reengineering among civilian employees of the DOD?

H10: There is no significant relationship between employee motivation and job reengineering among civilian employees of the DOD.

H1a: There is a significant relationship between employee motivation and job reengineering among civilian employees of the DOD.

RQ2: What is the relationship between employee motivation and the perception of job satisfaction among civilian employees of the DOD?

H20: There is no significant relationship between employee motivation and the perception of job satisfaction among civilian employees of the DOD.

H2a: There is a significant relationship between employee motivation and the perception of job satisfaction among civilian employees of the DOD.

RQ3: What is the relationship between job reengineering and the perception of job satisfaction among civilian employees of the DOD?

H30: There is no significant relationship between job reengineering and the perception of job satisfaction among civilian employees of the DOD.

H3a: There is a significant relationship between job reengineering and the perception of job satisfaction among civilian employees of the DOD.

Furthermore, this section outlines the data analysis procedures and presents statistical results in written, tabulated, and graphic formats. The data analysis procedure consisted of four steps namely (a) descriptive analysis (mean and standard deviation), (b) reliability analysis (Cronbach's $\alpha$ assessment), (c) exploratory data analysis (outlier detection and normality tests), and (d) hypotheses testing for RQ1, RQ2, and RQ3.

**Data Analysis Procedures**

The data analysis procedures included four essential steps, (a) descriptive analysis, (b) reliability analysis, (c) exploratory data analysis, and (d) hypotheses testing for RQ1, RQ2, and RQ3. The sample size was determined through the use of two distinct determinants in G*Power; the correlation point biserial model for the Cohen's effect size and the fixed model R2 for the Fisher's effect size ($f^2$) for a two-tailed test.

The researcher estimated a priori decision effect size ($p$), Fisher's effect size ($f^2$), established a standard inferential testing $\alpha = .05$ to limit Type I error (Lieberman & Cunningham, 2009) and Power (1-$\beta$ err prob) = .95 to avoid a Type II error for a two-tailed test (Faul et al., 2009). Using a large priori decision effect size $f^2 = .5$, $\alpha = .05$, a Power (1-$\beta$ err prob) = .95, and a large Fisher's
priori effect size $f^2 = .35$, $\alpha = .05$, a Power (1-\beta err prob) = .95 with two predictors, sample sizes ranging from forty-two (42) to forty-eight (48) were determined (figures 1 and 2).

**Descriptive Analysis**

A total of sixty-three (63) participants completed the survey between March 2021; however, eight (8) surveys were found to be incomplete. A total of fifty-five (55) completed surveys were analyzed for the study. The researcher did not consider the impact of moderating variables such as age, marital status, race, or income. The use of descriptive analysis tables and figures allow the researcher to present relevant information such as mean, median, mode, standard deviation, skewness, and kurtosis of the distribution, and the total number of participants. Descriptive analysis for participants and scales are shown in tables 1 and 2, and figures 3 through 5.

**Table 1**

*Descriptive statistics for participants*

<table>
<thead>
<tr>
<th>Scale</th>
<th>N</th>
<th>%</th>
<th>Mean</th>
<th>Median</th>
<th>Mode</th>
<th>Std Dev</th>
<th>Skewness/Kurtosis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>20</td>
<td>36</td>
<td>1.64</td>
<td>2.00</td>
<td>2</td>
<td>.485</td>
<td>(.583) / (1.724)</td>
</tr>
<tr>
<td>Female</td>
<td>35</td>
<td>64</td>
<td>1.87</td>
<td>2.00</td>
<td>2</td>
<td>.496</td>
<td>(.571) / (1.624)</td>
</tr>
</tbody>
</table>

$n = 55$

**Table 2**

*Descriptive statistics for scales*

<table>
<thead>
<tr>
<th>Scale</th>
<th>Mean</th>
<th>Std Dev</th>
<th>Skewness</th>
<th>Kurtosis</th>
<th>Kurtosis Std Error</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emp Motiv</td>
<td>5.346</td>
<td>.329</td>
<td>-.007</td>
<td>-.391</td>
<td>.634</td>
</tr>
<tr>
<td>Job Rengin</td>
<td>4.796</td>
<td>.424</td>
<td>.677</td>
<td>.852</td>
<td>.634</td>
</tr>
<tr>
<td>Per Job Sat</td>
<td>5.087</td>
<td>.409</td>
<td>-1.35</td>
<td>.054</td>
<td>.634</td>
</tr>
</tbody>
</table>

$n = 55$

**Exploratory Data Analysis**

Exploratory data analysis (EDA) provides a variety of visual and numerical summaries of the data for the dependent and independent variables as a group or individually. The data from the EDA identifies outlier, checks assumptions, and characterizes differences between variables. Following reliability analysis assessment, the scales for the variables were formed by collapsing items following *a priori* dimension (Buys et al., 2007; Guay et al., 2000; Hmieleski & Corbett, 2008;
Hackman & Oldman, 1975; Spector, 1985, 1997; Tremblay et al., 2009), outliers were assessed, and the test of normality was performed.

**Outlier Detection and Analysis**

Outliers are single data points within the data that fail to follow a usual pattern. Univariate or multivariate outliers influence the placement of the mean and the distribution of the variables and the use of a statistical tool such as scatterplots provide the ability to assess outliers in a data set (Osborne & Waters, 2002). Additionally, no outlier was found in the data set following the test for outlier (Figures 3-5), which further showed that monotonic relationships exist between the variables indicating that as one variable increased or decreased, the other increased or decreased. Furthermore, this showed conclusive evidence that the data set was non-linear and met the monotonicity assumption of non-parametric correlation.

**Figure 3**

*Scatterplot of employee motivation*
Figure 4

*Scatterplot of job reengineering*

![Scatterplot of Employee Motivation by Job Reengineering](image)

Figure 5

*Scatterplot of perception of job satisfaction*

![Scatterplot of Employee Motivation by Perception of Job Satisfaction](image)
Tests of Normality

The test of normality for the data set was conducted using the Kolmogorov-Smirnov (Lilliefors, 1967; Steinskog et al., 2007) and the Shapiro-Wilk (Aldor-Noiman, 2013) tests. According to Hanusz and Tarasińska (2015), the Kolmogorov–Smirnov statistic for test of normality belongs to the subclass of goodness-of-fit statistics or the empirical distribution function statistics, which are based on comparison of the population cumulative distribution function $F_n(x)$ with the empirical cumulative distribution function $F_n(x)$.

Since the $p$-values from Kolmogorov-Smirnov and Shapiro-Wilk tests were less than .05, the scales did not show a pattern of normal distribution (Tables 15). Logarithmic and exponential transformations were performed to transform each variable; however, the variables could be statistically transformed to follow a normal distribution. As such, the original data was used for hypotheses testing.
Table 3

Kolmogorov-Smirnov and Shapiro-Wilk tests of normality

<table>
<thead>
<tr>
<th>Scale</th>
<th>df</th>
<th>K-S Sig</th>
<th>Shapiro-Wilk</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Employee Motivation</td>
<td>55</td>
<td>&lt;.001</td>
<td>.001</td>
<td>.042</td>
</tr>
<tr>
<td>Job Reengineering</td>
<td>55</td>
<td>&lt;.001</td>
<td>.001</td>
<td>.005</td>
</tr>
<tr>
<td>Perception Job Satisfaction</td>
<td>55</td>
<td>.021</td>
<td>.001</td>
<td>.024</td>
</tr>
</tbody>
</table>

n = 55

Hypotheses Testing

Following the non-linearity of the data set, the researcher considered the use of non-parametric tests for hypotheses testing. As previously discussed, parametric or nonparametric tests may be used for hypotheses testing based on the results of the tests of normality and data transformation. The Pearson correlation may be used to predict the correlation between the dependent and independent variables if the data set for H1, H2, and H3 are normally distributed. However, if one of the data sets was non-linear, the researcher may use non-parametric Spearman correlation coefficient (rₛ), Kendall's Tau correlation (τb), Somers' delta (d), or the Goodman and Kruskal's gamma (G) to measure the correlation between the variables.

Based on the tests of normality, the data set showed the variables for H1, H2, and H3 were non-linear and met the assumptions of non-parametric tests. As such, the use of non-parametric tests, such as the Spearman correlation (Astivia & Zumbo, 2017), Kendall's Tau correlation (Blest, 1999), Somers' delta (Nelson, 1984; Newson, 2002), and the Goodman and Kruskal's gamma (Gans & Robertson, 1981; Kvålseth, 2018) were appropriate for the study. Table 4 shows the p-values and non-parametric test results (rₛ, τb, d, and G) for the variables.
Table 4

Non-parametric test results for all variables

<table>
<thead>
<tr>
<th>Scale</th>
<th>Spearman</th>
<th>Kendall</th>
<th>Somers</th>
<th>Goodman Kruskal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$r_s$</td>
<td>$\tau_b$</td>
<td>$d$</td>
<td>$G$</td>
</tr>
<tr>
<td>Employee Motivation &amp; Job Reengineering</td>
<td>.644**</td>
<td>.609</td>
<td>.738</td>
<td>.513</td>
</tr>
<tr>
<td></td>
<td>.003</td>
<td>.002</td>
<td>&lt;.001</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Employee Motivation &amp; Perceived Job Satisfaction</td>
<td>.523</td>
<td>.541</td>
<td>.547</td>
<td>.597</td>
</tr>
<tr>
<td></td>
<td>.001</td>
<td>.001</td>
<td>&lt;.001</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Job Reengineering &amp; Perceived Job Satisfaction</td>
<td>.599**</td>
<td>.519**</td>
<td>.757</td>
<td>.692</td>
</tr>
<tr>
<td></td>
<td>.003</td>
<td>.002</td>
<td>&lt;.001</td>
<td>&lt;.001</td>
</tr>
</tbody>
</table>

$n = 55$

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

Results

RQ1: Employee motivation and job reengineering

Spearman correlation was used to determine the correlation between employee motivation and job reengineering among the civilian employees of the DOD. The results showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $r_s (53) = .644, p = .003$, 95% CI [5.256, 5.435], (Table 4).

Overall, there is a strong and positive correlation between employee motivation and job reengineering, and since the data set shows no missing values or presence of outliers, it is inferred that increases in employee motivation are correlated with job reengineering. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

Kendall's correlation was used to determine the correlation between employee motivation and job reengineering among the civilian employees of the DOD. The results showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $\tau_b = .609, p = .002$, 95% CI [5.256, 5.435], (Table 4). Overall, there is a strong and positive correlation between employee motivation and job reengineering, and since the data set
shows no missing values or presence of outliers, it is inferred that increases in employee motivation are correlated with job reengineering. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

Somers' $d$ test was used to determine the correlation between employee motivation and job reengineering among the civilian employees of the DOD. The results showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $d = .738, p < .001, 95\% \text{ CI} [5.256, 5.435]$, (Table 4). Overall, there is a strong and positive correlation between employee motivation and job reengineering, and since the data set shows no missing values or presence of outliers, it is inferred that increases in employee motivation are correlated with job reengineering. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

Goodman Kruskal's gamma test was used to determine the correlation between employee motivation and job reengineering among the civilian employees of the DOD. The results showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $G = .513, p < .001, 95\% \text{ CI} [5.256, 5.435]$, (Table 4). Therefore, the correlation between employee motivation and job reengineering is statistically significant. Overall, a strong and positive correlation exists between employee motivation, job reengineering, and since the data set shows no missing values or presence of outliers, it is inferred that increases in employee motivation are correlated with job reengineering. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

RQ2: Employee motivation and perception of job satisfaction

Spearman's correlation was used to determine the correlation between employee motivation and the perception of job satisfaction among the civilian employees of the DOD. The results showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $r_s (53) = .523, p = .001, 95\% \text{ CI} [4.682, 4.911]$, (Table 4). Overall, there is a strong and positive correlation between employee motivation and the perception of job satisfaction, and since the data set shows no missing values or presence of outliers; it is inferred that increases in employee motivation are correlated with the perception of job satisfaction. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

Kendall's correlation was used to determine the correlation between employee motivation and the perception of job satisfaction among the civilian employees of the DOD. The results showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $\tau_b = .541, p = .001, 95\% \text{ CI} [4.682, 4.911]$, (Table 4). Overall, there is a strong and positive correlation between employee motivation and the perception of job satisfaction, and since the data set shows no missing values or presence of outliers, it is inferred that increases in employee motivation are correlated with the perception of job satisfaction. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

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**RQ3: Job reengineering and perception of job satisfaction**

Spearman's correlation was used to determine the correlation between job reengineering and the perception of job satisfaction among the civilian employees of the DOD. The results showed a strong and positive correlation exists between job reengineering and the perception of job satisfaction, which is statistically significant $r_s (53) = .599, p = .003, 95\% \text{ CI } [4.977, 5.198]$, (Table 4). Overall, there is a strong and positive correlation between job reengineering and the perception of job satisfaction, and since the data set shows no missing values or presence of outliers, it is inferred that increases in job reengineering are correlated with the perception of job satisfaction. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

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Somers' $d$ test was used to determine the correlation between job reengineering and the perception of job satisfaction among the civilian employees of the DOD. The results showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $d = .757, p < .001, 95\% \text{ CI } [4.977, 5.198]$, (Table 4). Overall, there is a strong and positive correlation between job reengineering and the perception of job satisfaction and since the data set shows no missing values or presence of outliers, it is inferred that increases in job reengineering are correlated with the perception of job satisfaction. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

Goodman Kruskal's gamma test was used to determine the correlation between job reengineering and the perception of job satisfaction among the civilian employees of the DOD. The results
showed a strong and positive correlation exists between employee motivation and job reengineering, which is statistically significant $G = .692, p < .001, 95\% \text{ CI} [4.977, 5.198]$, (Table 4). Overall, there is a strong and positive correlation between job reengineering and the perception of job satisfaction and since the data set shows no missing values or presence of outliers, it is inferred that increases in job reengineering are correlated with the perception of job satisfaction. Therefore, the null hypothesis is rejected in favor of the alternative hypothesis.

### Summary, Conclusions, and Recommendations

This study is significant in its practical and theoretical implications to public and private organizations, particularly within government agencies. Business managers, policy development officer, business strategists, and human resources managers of private and government enterprises may benefit from the investigation of the correlation between employee motivation, job reengineering, and the perception of job satisfaction in the workplace, and use the findings to improve efficiencies and develop strategies to foster and maintain effective collaboration and reduce turnover. Organizational leaders, business managers, executives, decision-makers, and human resources professionals may use the findings as a focal point in developing human capital strategies to enhance output levels, job autonomy, improve job specialization, organizational commitment, and increase organizational citizenship.

Business leaders and human capital strategists may use the findings from this research to improve the job redesign process, enhance skill variety, task significance, and workplace collaboration, and employee commitment. Additionally, human resources and business strategists may be able to use the research findings as a pivotal point in developing organizational, and management strategies for talent acquisition, retention, training, turnover reduction, and productivity maximization.

Business managers of corporations and government agencies may use the research findings in formulating strategies for improving policies for employee development and retention performance, workflow processes, and work design. The study may provide a competitive advantage to senior executives, human resources professionals, and business managers on ways to further integrate the framework surrounding motivation, and assess the factors influencing job redesign, and the perception of job satisfaction in the workplace. The findings may offer empirical support for the understanding of employee behavior and provide new insights into the management of skills utilization, talent acquisition, and performance enhancement.

This section contains a discussion and interpretation of the results relating to the existing body of knowledge discussed in the literature review and extends the research of Olafsen and Bentzen (2020), Earl et al. (2019), Bruning and Campion (2018), and Breaugh et al. (2018). In particular, this section includes the following: (a) summary of the study, (b) summary of the findings and conclusion, (c) implications including theoretical and practical applications, (d) recommendations for future research and practice, and (e) concluding remarks.
Summary of the Study and Findings

In this quantitative, correlational study, the researcher focused on extending the research of Olafsen and Bentzen (2020), Earl et al. (2019), Bruning and Campion (2018), and Breauagh et al. (2018) by investigating the correlation between employee motivation, job reengineering, and the perception of job satisfaction among civilian employees of the DOD located in Washington, D.C., United States. The researcher employed the use of a non-experimental correlational design and a 15-item questionnaire measured on a 6-point Likert scale to collect data from participants. A total of fifty-five (55) participants completed the survey.

The researcher performed an EDA to identify outlier, checked assumptions, and characterized differences between variables. Following reliability analysis assessment, the scales for the variables were formed by collapsing items following a priori dimension, outliers were assessed, and the test of normality was performed. No outlier was found and based on the tests of normality, the data set showed the variables for H1, H2, and H3 were non-linear, and met the assumptions of the Spearman, Kendall, Somers' delta, and Goodman and Kruskal's non-parametric tests.

Following data collection, the data analysis procedures consisted of descriptive analysis, reliability analysis, exploratory data analysis, and hypotheses testing for RQ1, RQ2, and RQ3. The results of the finding are presented statistically in written, tabulated, and graphic formats; the two research hypotheses, H1 and H2 relating to job reengineering and the perception of job satisfaction are positively correlated with employee motivation, while research hypothesis H3 showed a positive correlation between job reengineering and the perception of job satisfaction.

The findings showed a strong and positive correlation between the variables, contribute to the theoretical concept of the SDT, and provide strategic insights to organizational leaders and human capital managers. This research study may be used as a reference for developing human capital strategies involving the relationship between intrinsic motivation, job reengineering or redesign, and the perception of job satisfaction.

RQ1: Employee Motivation and Job Reengineering

The first research question examined the correlation between employee motivation and job reengineering among civilian employees within the DOD. The intrinsic dimension of employee motivation was strongly and positively related to the dimensions of job reengineering (skills variety, task identity, task significance, autonomy, and feedback), and an increase in employee motivation correlated with an increase in job reengineering. The researcher did not consider the impact of moderating variables such as age, gender, income, marital status, or race.

The finding from RQ1 is similar to the empirical study of Gagné et al. (2015), and Oldham and Hackman (2010) in which employee motivation was positively associated with job reengineering. Oldham and Hackman (2010) posed that jobs are designed by the organization equally for all employees, regardless of individual preferences or differences. However, this approach has not always been sufficient to serve the purpose of organizational outcomes relating to tasks and
working conditions. As such, intrinsic motivation provides an advantage in eliminating the one-size-fits-all approach of job reengineering.

Job reengineering based on the JCM (Hackman & Oldham, 1975) is intrinsically related to the need for autonomy construct in the SDT (Ryan & Deci, 2017). The implementation of the five essential job characteristics constructs in the job reengineering process, job rotation, job enlargement, and job enrichment (Cote, 2019) provide an opportunity to motivate employees. Intrinsic motivation enhances creativity by increasing positive affect, job satisfaction, autonomous job redesign, cognitive flexibility, and persistence (Kadous & Zhou, 2019), and the meta-analysis of Patall et al. (2008) found that improving job reengineering increases intrinsic motivation.

The recent empirical study of Zhang et al. (2019) assessed that employee motivation has a strong impact on job design and employees' perceptions of supervisors. Pila-Ngarm and Siengthai (2016) assert that job reengineering, motivation, and teamwork are positively related to productivity. A well-designed and implemented job reengineering process can lead to increased employee well-being (Liu et al., 2018), as such, job redesign is poised to be an alternative approach to reduce job dissatisfaction and enhance the motivational potential of a job. Job reengineering can solve problems related to skills utilization, work overload, attrition, redundancy, and an increase in working hours (Rai, 2018).

The boxplot (Figure 6) indicated that as job reengineering increased, the variability, mean, and standard deviation of employee motivation increased significantly, which implied that a good and strong relationship exists between employee motivation and job reengineering. Spearman correlation ($r_s(53) = .644, p = .003$), Kendall ($\tau_b = .609, p = .002$), Somers' ($d = .738, p < .001$), and Goodman Kruskal ($G = .513, p < .001$) were statistically significant and the data set showed no missing values or pattern of disinterest in the outlier. This research study contributes to the meta-analysis of intrinsic motivation (Ryan & Deci, 2017, 2020) and extends the applicability of the job characteristics model (Hackman & Oldham, 1975, 2010).

**RQ2: Employee Motivation and Perception of Job Satisfaction**

The second research question examined the correlation between employee motivation and the perception of job satisfaction. The researcher did not consider the impact of moderating variables such as age, gender, income, marital status, or race. The intrinsic dimension of employee motivation was strongly and positively related to the dimensions of the perception of job satisfaction (pay, supervision, benefits, nature of work, and promotion), and increase in employee motivation correlated with an increase in the perception of job satisfaction.

The finding from RQ2 is similar to the work of Abós et al. (2019) in which employee motivation was positively and strongly related to job satisfaction and emotional exhaustion ($r^2 = .63, F(15, 275.13) = 34.64, p < 0.001, n = 107$), which implied that 63% of the variation in overall autonomous motivation related to job satisfaction and emotional exhaustion. The finding is similar to the empirical study of Alwerthan et al. (2018) in which job satisfaction is strongly related
intrinsic motivation ($r^2 = .54, F(1, 1073) = 215.6, p < .001, Fisher's $f^2 = .89, n = 1088$), which implied that 90% of the variation in overall job satisfaction related to employee motivation.

Overall, the results provide empirical evidence that employee motivation positively relates to the perception of job satisfaction and may also improve the relationship between the variables. This study also contributes empirical support to the research of Breaugh et al. (2018) regarding the relationship between motivation and job satisfaction. Breaugh et al.'s (2018) results suggested that a strong relationship exists between intrinsic workplace motivation and job satisfaction ($r^2 = 29, F = 26.91, I = .29, p < .01, Fisher's $f^2 = .79, n = 677$), which implied that 79% of the variation in overall intrinsic motivation related to job satisfaction.

The boxplot (Figure 6) indicated that as the perception of job satisfaction increased, the variability, mean, and standard deviation of employee motivation increased significantly, which implied that a good and strong relationship exists between employee motivation and the perception of job satisfaction. Spearman correlation ($r_s(53) = .523, p = .001$), Kendall ($rb = .541, p = .001$), Somers' ($d = .547, p < .001$), and Goodman Kruskal ($G = .597, p < .001$) were statistically significant and the data set showed no missing values or pattern of disinterest in the outlier.

**RQ3: Job Reengineering and Perception of Job Satisfaction**

The third research question examined the correlation between job reengineering and the perception of job satisfaction. The researcher did not consider the impact of moderating variables such as age, gender, income, marital status, or race. The dimensions of job reengineering (skills variety, task identity, task significance, autonomy, and feedback) were strongly and positively related to the perception of job satisfaction (pay, supervision, benefits, nature of work, and promotion), and an increase in job reengineering correlated with an increase in the perception of job satisfaction.

This finding from RQ3 is similar to the empirical study of Oerlemans and Bakker (2018) in which job reengineering and job characteristics were strongly related to job satisfaction ($r^2 = .241, p < .001, Fisher's $f^2 = .79, n = 121$), which implied that 80% of the variation in overall job reengineering related to job satisfaction. Similarly, the empirical study of Tziner et al. (2019) found that that a strong relationship exists between job redesign ($n = 3,293, \alpha = 0.96, p < 0.05, Fisher's f^2 = .63$), which implied that 63% of the variation in overall job design related to job satisfaction.

Overall, the results provide empirical evidence that job reengineering positively relates to the perception of job satisfaction, and this study may be used to boost the job redesign process and improve employees' perception of job satisfaction. This research further contributes to the empirical study of Kumedzro (2018), in which the perception of job satisfaction was strongly related to job redesign and retention ($n = 140, F(2, 137) = 0.353, p > 0.05, Fisher's f^2 = .52$). This implied that 52% of the variation in overall job reengineering related to the perception of job satisfaction. Windon (2019) concluded that job redesign was positively correlated to job satisfaction ($n = 149, F(8, 135) = 1484.7, r^2= 0.989, p = < .001, Cohen's f^2 = 89.9$), which implied
that 98% of the variation in overall job satisfaction related to job reengineering (promotions and rewards).

The boxplot (Figure 6) indicated that as job reengineering increased, the variability, mean, and standard deviation of the perception of job satisfaction increased significantly, which implied that a good and strong relationship exists between job reengineering and the perception of job satisfaction. Spearman correlation \( r_s (53) = .599, p = .003 \), Kendall \( \tau_b = .519, p = .002 \), Somers' \( d = .757, p < .001 \), and Goodman Kruskal \( G = .692, p < .001 \) were statistically significant and the data set shows no missing values or pattern of disinterest in the outlier.

This research question extended the significance of the five core dimensions of job characteristics in reengineering and redesigning jobs and provides business managers and human resources professionals with the ability to recognize the influence of perception within the job satisfaction domain. Furthermore, Tziner et al. (2019) argued that the perception of job satisfaction culminates from an employee's positive or negative feeling because of the overall positive evaluation of job role, job duties, work experiences, and work environment.

Conclusions

The findings from this quantitative, correlational study showed that employee motivation is strongly and positively related to job reengineering and the perception of job satisfaction. Similarly, the finding from the study showed that job reengineering is strongly and positively correlated to the perception of job satisfaction. The researcher did not consider the impact of moderating variables such as age, gender, income, marital status, or race. Overall, the study extends the self-determination theory (Ryan & Deci, 1985) in three ways. First, the study provides empirical support for the findings of Olafsen and Bentzen (2020) which relates to the relationship between intrinsic motivation and the perception of job satisfaction.

Second, the study offered support to the empirical research of Earl et al. (2019) which relates to the relationship that exists between job satisfaction and job reengineering. Third, this study provided further support to the empirical study of Bruning and Campion (2018), and Breaugh et al. (2018) which relates to the relationship between job reengineering, intrinsic motivation, and job satisfaction. Finally, this study relates to the empirical research of Shin and Grant (2019) and focused on providing support for skill utilization in job reengineering, while assessing employee-job fit, and improving efficiency in the workplace.

Implications

This quantitative, correlational study discussed two types of research implications namely (a) theoretical implications, and (b) implications for practice.
Theoretical Implications

The findings from the quantitative, correlational study showed a strong and positive relationship between employee motivation, job reengineering, and the perception of job satisfaction, and a strong relationship between job reengineering and the perception of job satisfaction in the workplace. These findings implied that employees who perceive job reengineering as enhancing the workplace have higher intrinsic motivation, gain mastery of tasks and learn different skills (competence), experience a sense of belonging (relatedness), and feel in control of their behavior (autonomy). These characteristics align closely with the theoretical framework of the study, the SDT of Ryan and Deci (1985).

Strengths of the study

This study provided further empirical evidence to support antecedent research which have investigated the question of whether motivation influences job satisfaction and job reengineering in the workplace (Breaugh et al., 2018; Bruning & Campion, 2018; Earl et al., 2019; Kumedzro, 2018; Olafsen & Bentzen, 2020). Breaugh et al. (2018) discussed the significance of the factors influencing job satisfaction and the impact on employee motivation and found intrinsic positively correlate with job satisfaction. The researcher assessed that employee (intrinsic) motivation influences the five core dimensions of job characteristics (skills variety, task identity, task significance, autonomy, and feedback), as well as job diagnostic dimensions of job satisfaction (pay, supervision, benefits, nature of work, and promotion).

The findings from this study contributed to the consideration for the use of the SDT framework in assessing behavior-specific aspects of intrinsic motivation for understanding practices that sustain and job reengineering and the perception of job satisfaction in the workplace. The researcher utilized a quantitative, correlational method and designed a 15-item survey that contained no direct benefits to the participants to minimize bias. This study adopted the use of the non-probability convenience sampling method, and the participants selected were representative of the entire population. The non-probability convenience sampling provides the ability to select participants based on availability and willingness to take part in the survey (Daneshjoovash & Hosseini, 2019; Gerlich et al., 2018; Valerio et al., 2016), which may enhance the generalizability of the findings.

Weaknesses of the study

The results of this quantitative, correlational study may not be generalizable to cultures and geographical regions outside of the continental United States because the research centered on population sample within the DOD. The researcher did not consider the impact of moderating variables such as age, gender, income, marital status, or race. The use of moderating variables may strengthen, diminish, negate, or otherwise alter the correlation between independent and dependent variables. Moderating variables can influence or change the direction of this relationship (Mihalas et al., 2012; Sung, 2016).
Significance of the Self-Determination Theory

The results of the study contributed to Ryan and Deci’s SDT of motivation (1985), originally developed to provide a broad framework for understanding factors influencing intrinsic motivation, job satisfaction, psychological wellness, and all issues of direct relevance to individual growth. This study advances the SDT using the intrinsic motivation construct to examine the influence of employee motivation on reengineering and job satisfaction. This relationship plays a significant role in understanding organizational behavior, the utilization of employee skills, and the achievement of organizational goals (Abós et al., 2019; Alwerthan et al., 2018; Breaugh et al., 2018; Sheeran et al., 2020).

This research study contributed to the current understanding of the role of motivation in the workplace and provided support for mitigating organizational challenges relating to job reengineering and the perception of job satisfaction among employees. This study specifically contributes to the examination of intrinsic motivation; identified the eudaimonia of motivation by responding to the lack of research into the role of job reengineering, and the perception of job satisfaction; and supports the future direction in the use of SDT in advancing research and practice and improving proximal influences on workplace engagements and learning.

Implications for Practice

In the study, 94.5% of the respondents selected option 5 and 6 towards motivation anchor point in the survey, 73.7% of respondents selected option 5 and 6 towards reengineering on the job reengineering in the survey, while 83.6% of respondents selected option 5 and 6 towards perception in the perception of job satisfaction survey. These figures suggested that over half of the respondents acknowledged that intrinsic motivation enhances job reengineering and the perception of job satisfaction in the workplace. The main findings also suggest that organizations and government enterprises can improve efficiencies by enhancing the eudaimonia of intrinsic motivation.

Furthermore, this study offered empirical evidence that incorporating more autonomous forms of motivation in the workplace will lead to an enhancement of employees' engagement, learning, wellness, and basic psychological need support for supervisors and subordinates. The findings from this study supported and extended the discussion that higher motivation and perception of job satisfaction led to higher productivity, organizational commitment, and citizenship. Business leaders may be able to use the findings as a focal point in developing human capital strategies to enhance output levels, job autonomy, improve job specialization, organizational commitment, and increase organizational citizenship.

Private and public organizations may use this study to improve the job redesign processes, enhance skill variety, task significance, workplace collaboration, and employee commitment. The findings from this study further extend the SDT of motivation by assessing that the self-directed human cognitive process culminates with employees' diverse intrinsic needs to meet job expectations, improve satisfaction levels, and organizational citizenship (Ryan & Deci, 2020).
Recommendations

This quantitative, correlational study discussed two types of recommendations namely (a) recommendations for future research, and (b) recommendation for practice. These recommendations offered a number of opportunities in terms of theory development and concept validation.

Recommendations for Future Research

A few suggestions for future research spring forward from evaluating the present study and its limitations. The researcher thus proposes four recommendations for future research. First, future research can widen the scope of this study by assessing the effects of moderating variables such as age, gender, income level, ethnicity, or race. This recommendation can broaden the scope of this study and offer new insights into the effects of moderating variables on job reengineering and the perception of job satisfaction.

Second, this research study may contribute to the current understanding of the role of motivation in the workplace and provide support for mitigating organizational challenges relating to job reengineering and the perception of employees' job satisfaction, future research could expand on the present outcomes, and study the effects of turnover intentions and organizational citizenship.

Third, intrinsic motivation is closely related closely to emotional intelligence; the ability to perceive one's emotion, and that of others, and the ability to understand the meaning of these emotions, and regulate emotions (Kidwell et al., 2020; Neil, 2019). Most recently, emotional ability has played a significant role in redesigning specific job tasks within the healthcare industry, while facilitating medical professionals' response to the COVID-19; as such, future studies may expand the focus of this research and assess the role of emotional intelligence in workplace engagement and retention.

Finally, this study did not consider the role of extrinsic motivation; the study provides an opportunity for future research to explore extrinsic motivation from a self-determination theoretical perspective. This may assist researchers to further understanding the relationship between intrinsic and extrinsic motivation and provide a better assessment of how organizational leaders and human resources professionals can further implement strategies to improve organizational behavior in the workplace.

Recommendations for Practice

A few suggestions for future practice spring forward from the results and findings of this study. Public and private organizations, especially government agencies may benefit from the examination of employee motivation, job reengineering, and the perception of job satisfaction in the workplace. The main findings suggest that employee motivation improves organizational behavior and enhances the ability to re-engineer jobs with a high perception of satisfaction. As such highly intrinsically motivated employees can integrate job reengineering while improving
productivity and efficiency. Hence, this study recommends and assesses that business leaders may be able to use the findings as a focal point in developing human capital strategies to enhance output levels, job autonomy, improve job specialization, organizational commitment, and increase organizational citizenship.

Second, organizational leaders, business managers, executives, decision-makers, and human resources professionals of corporations and government agencies may use the research findings in formulating strategies for improving policies for employee development and retention performance, workflow processes, and work design. The findings may be used as a focal point for establishing lean organizational efficiencies, understanding a person-job fit, and formulating strategies poised to enhance competitive advantage and dynamic workforce.

Third, findings from this research may provide a roadmap to business leaders and human resource managers on understanding the role and influence of motivating through need, job redesign, intrinsic rewards, and leading others through intrinsic motivation. This study may provide business managers with the framework to understand the factors to consider when changing the concept and or process of a specific job to increase performance, efficiency, and job satisfaction. Collectively, the findings from this study may allow managers to focus on the factors influencing employee-job-fit and the relationship between management, enlarge, rotate, and enrich jobs, and develop a better understanding of core job characteristics, critical psychological states, outputs, and the motivational factors leading to job satisfaction.
References


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