

CAPITAL UNIVERSITY OF SCIENCE AND
TECHNOLOGY, ISLAMABAD



**Project Role Overload and
Emotional Exhaustion as
Antecedents of Project
Supervisor Incivility: The
Moderating Role of Time
Consciousness**

by

Muhammad Rafique

A thesis submitted in partial fulfillment for the
degree of Master of Science

in the

Faculty of Management & Social Sciences

Department of Management Sciences

2019

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Dedicated to the people I love and admire... My Parents.



CERTIFICATE OF APPROVAL

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Acknowledgements

Then which of the Blessings of your Lord will you deny. (Surah Ar-Rehman)
First, to my creator, my life coach, the most gracious, the most benecent, ALLAH S.W.T, I owe it all to you, Thank you!

There have been many people who have walked alongside me, who have guided me through all these eorts. I would like to outstretch gratitude to each of them.

I would like to extend special gratitude to my supervisor, Dr. Sajid Bashir, whose contributions in simulating suggestions and encouragement, helped me to coordinate my thesis work and especially in achieving the results. It was because of your support and guidance from the beginning that I have done it!

Furthermore, I would also like to acknowledge with much appreciation the crucial role of my friends for their support, mentorship, encouragement and technical advice throughout research work. Without you it was not possible!

I express my deepest and earnest thanks to Dr. Basharat Javed for taking part in useful decisions giving necessary advices, support and motivation for completion of this degree and all. I choose this moment to acknowledge your contributions appreciatively.

Here I am indebted to my parents and my family for their stanch support and encouragement throughout my educational career. It was your believe in me that brought me here. Words cannot express my gratitude for everything you have done for me.

How can I forget you Abu! Always interested to know what I am doing and how I am proceeding! I am grateful to you and this is a testament of your faith in me, I hope your son has made you proud and I will always try my best to make you proud in every moment of life. INSHA ALLAH.

I would like to express my cordial appreciation to all those who provided me the possibility to complete this report.

Abstract

The present research investigates supervisor level antecedents of project supervisor incivility in the project-based organizations. Particularly, this research incorporates affective event theory to the literature of project supervisor incivility that work event such as project role overload leads to supervisor emotional exhaustion. As severe negative emotional reaction, emotional exhaustion instigates project supervisor incivility. Time consciousness of a supervisor is also posited to hypothesized links as a moderator. Data were gathered from 296 respondents working in different public and private sector project based organizations across different cities of Pakistan. The results delineates that project role overload and emotional exhaustion has significant and positive influence on project supervisor incivility. Moreover, emotional exhaustion mediates the relationship of project role overload and project supervisor incivility. In addition, time consciousness moderates the relationship, and the results revealed significant impact of interaction effect provides evidence for moderation. Lastly, we suggest and investigate moderated mediation model. We conclude with practical and theoretical implications as well as future research directions.

Keywords: Project Role Overload, Emotional Exhaustion, Time Consciousness, Project Supervisor Incivility, Project Based Organizations

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Abbreviations

AET	Affective Event Theory
SPSS	Statistical Package for Social Sciences
AMOS	Analysis of Moment
CFA	Confirmatory Factor Analysis
CFI	Comparative fit Index
TLI	Tucker-Lewis Index
IFI	Incremental Fit Index
GFI	Goodness of Fit Index
RMSEA	Root Mean Square Error of Approximation
PROO	Project Role Overload
EEE	Emotional Exhaustion
TCC	Time Consciousness
PSII	Project Supervisor Incivility

Chapter 1

Introduction

1.1 Background of the Study

Workplace incivility is universal ([Schilpzand et al., 2016](#)). Research indicates that workplace incivility involving supervisor incivility is pervasive and this cost the society and organization as a whole up to a greater extent ([Porath and Pearson, 2013](#)). Bad supervisors are vital health menace; they are the reason to foist huge medical costs on society, and demeaning the organizational member's standard of life ([Hogan and Kaiser, 2005](#)). According to ([Cortina et al., 2001](#)), 71 to 96 percent employees are disclose to workplace incivility. One study in 1998, constitute that once in a month half of the employees treated discourteously at work ([Porath, 2015](#)) and the number swelled to 55 percent by 2011 and by 2014 it grew to 62 percent ([Porath, 2016](#)). The financial cost of encountering incivility is reckoning at \$14000 annually per employee and the reason is distraction from work and project delays ([Pearson and Porath, 2009](#)). These statistics are startling as they show that incivility influence employees and has a huge monetary influence on the organizations.

([Andersson and Pearson, 1999](#)) was the first to propose workplace incivility and defined it as low deviant acts with ambiguous intent to harm. According to ([Caza and Cortina, 2007](#)), incivility is the discourteous and disrespectful behavior toward others. There are two general groupings of workplace incivility; coworker incivility

and supervisor incivility. The incivility that are incited by coworker like distressing comments, “cranky” email, avoidance and shunning is coworkers incivility and supervisor incivility alludes to many of the same kind of behaviors, besides they arise from supervisor. In supervisor incivility, the perpetrator is supervisor. According to (Porath and Pearson, 2013), supervisor incivility is the typical dark side of leadership behavior and is ruinous to both employees and organizations. It has argued, the incivility that arise from supervisor is more deleterious than the incivility that evokes from coworker, the reason is target employees of such behavior depends on their supervisors for rewards and evaluations. Those who are targets of uncivil behavior arise from supervisors may assume that supervisor incivility may generalize and bring unfavorable events.

Both worker and supervisor incivility can have deleterious influence on worker annoyance, resentment, and frustration, and their linked behavioral responses (Fox and Spector, 1999; Hershcovis and Barling, 2010). However, supervisor incivility is the most detrimental and this is due to the difference in power which is experienced between the relationship of supervisors and employees (Michel et al., 2016; Viotti et al., 2018). Many researchers have found and stated the counterproductive influence of incivility on outcomes like mental disorder, declining in job satisfaction, performance and increase in intent to leave the job. Such as, in an unconstrained situation, incivility can negatively influence organizational outcomes (Holm et al., 2015) ranging from job satisfaction (Reio Jr and Ghosh, 2009) organizational commitment (Lim and Teo, 2009), employee physical health (Lim et al., 2008), to job performance (Porath and Pearson, 2010). Research is evident that supervisor incivility is linked to higher psychological distress and decreased productivity (Miner-Rubino and Reed, 2010; Ghosh et al., 2011), turnover intention (Kao et al., 2014).

Project environment is very dynamic and the success of the project depends on the project supervisor, so the supervisor behavior with the team member should be facilitative and pleasurable. If the supervisor behavior during the project with the team member is discourteous and disrespectful, it will distort the attention of employees and will lead to engrossed with supervisor behavior cognitively rather

than what is best for the company or project (Jawahar and Schreurs, 2018). Moreover, the project supervisor incivility has largely discerned by the team member or employee, the reason is longevity of employee on the project is at mercy of supervisor (Abubakar and Arasli, 2016).

Between different work stressors, role overload has enticed substantial attention in management field research. According to (Rahim, 1997), role overload arise when job demands surpass available resources such that individuals are unable to complete their tasks at workplace. Role overload also constitutes a warning, the reason is it innately involve magnitude of unpredictability regarding the degree to which individuals are able to complete their task on a project in the available limited amount of energy and time (Crawford et al., 2010; Eatough et al., 2011). In this fashion, the precariousness linked with a substantial role overload swelled the possible risk of losing esteemed work or project-related resources i.e., energy and time (Freedy and Hobfoll, 2017). Previous researches identify that the issue of role overload can have serious consequences including upsetting the performance of the employees (Brown et al., 2005). Researches affiliate role overload with emotional exhaustion (Karatepe and Aleshinloye, 2009). During complicated projects multiple roles of the supervisor can result in exhaustion. (Harvey et al., 2007), relates emotionally exhausted person with abusive supervision. However, compared with it supervisor incivility is less harmful but more ubiquitous. Supervisor's energy drained due to role overload during the project and incivility leads to the counterproductive for the project, such supervision has considered as a symptom of strain (Aryee et al., 2008).

Projects involve three broad constraints such as time, cost and scope or quality. Project has regarded to be successful if it has completed within budget, on time and to the identified scope and quality (Chan and Kumaraswamy, 1997). Moreover, one of the major touchstone of project success is timely completion of a project (Rwelamila and Hall, 1995). The project supervisor has the sole responsibility to complete the projects within its time. Researchers have explored time aspect in teams (Druskat and Wolff, 1999; Perlow, 1998), and the team potential to encounter deadlines and to speed activities has associated to team outcomes

(Waller, 1999). Despite of the fact, that research is evident that time is an important constraint and the project success depends on time and its relation with project supervisor that supervisor has the sole responsibility to bring the project on time. However, it is unknown that whether the project supervisor should be time consciousness or not and what will happen whether it will make the project supervisor behavior to show incivility or not towards its team members on a project.

1.2 Research Gap

At this point, however, limited research has scholarship the fact that what makes project supervisor shows incivility in the first place. Until now, the greater amount of research has concentrated on discerning the outcomes (Hershcovis and Barling, 2010) of incivility. According to (Schilpzand et al., 2016), so far, small amount of research has conducted to describe why workplace incivility has linked with hazardous outcomes and it is important to extend the research on antecedents of incivility. Some studies have inspected the antecedents of supervisor incivility like (Lawrence and Robinson, 2007), and (Reio Jr and Wiswell, 2000). These researches generally focused on emotions and workplace adaptation (Reio Jr and Wiswell, 2000). Despite of the high cost and universality of workplace incivility, it is surprising that more research explores the outcomes rather than the antecedents of workplace incivility and specifically supervisor level incivility. Regardless of some development, research scanning of supervisor level antecedent is important to a rigorous apprehending of what induce project supervisor to show incivility.

Firstly, the study gap is to expand the research on supervisor incivility and specifically in projects by asserting the project role overload as a work events and emotions such as emotional exhaustion can be pivotal determinants of project supervisor incivility. (Jawahar and Schreurs, 2018) suggested that it is viable to hypothesize that (poor) performance cause's supervisor incivility. The reason is when there will be role overload on project supervisor then he/she will not perform well and ultimately his behavior will show incivility towards his/her employees and project team. Secondly, despite of the universal presence, supervisor incivility has

not got substantial managerial as well as academic concentration in Asian context (Yeung et al., 2008), especially in the case of Pakistan only small number of studies have been conducted (Somani and Khowaja, 2012). Therefore, this study will fill this gap by conducting the study on project supervisor incivility in the project-based organizations of Pakistan.

According to (Fox and Spector, 1999), if mediated by emotional response the immediate outcome is incivility. Similarly, when opposed to situational constraint, response arise which is emotional and that evokes supervisor incivility (Reio Jr, 2011). However, research found the positive relation of supervisor incivility on emotional exhaustion (Alola et al., 2018). Surprisingly, we are not familiar of studies that investigating the link of supervisor emotional exhaustion with project supervisor incivility directly. In our understanding, this is an important gap, provided that scholars have discerned that various stress factors and job demands may furnish position of supervisors highly exhausting (Gardner et al., 2009). According to (Lam et al., 2010) argued that emotional exhaustion of supervisors contribute to some vital consequences for both organization and subordinates involving task performance and employees well-being. Therefore, for fully understanding the etiology of project supervisor incivility the investigation of supervisor emotional exhaustion is crucial. Similarly, AET propound that certain work events evoke certain emotions and these emotions induce certain behaviors. Therefore, to narrow this gap current study will explore emotional exhaustion as a mediator between project role overload and project supervisor incivility.

Affective event theory propose that personality characteristics assists why individual reactions shows variations when they encounter these events and emotions. According to (Martinko et al., 2013), supervisor personality can influence employee's perceptions of supervisor behavior. Previously (Kleijnen et al., 2007) studied the time consciousness as a moderator in mobile value creation and suggested to conduct more research on the role of this specific variable. Moreover, time has considered as an important constraint in the projects but very little known about its impact on project supervisor behavior in the project environment. Therefore, the fourth gap that will fill by the current study is the time

consciousness of project supervisor as a moderator between project role overload and emotional exhaustion.

1.3 Problem Statement

Researchers and practitioners have tested both theoretically and empirically the relation of supervisor incivility with different hazardous organizational outcomes like lowering of organizational commitment, distress, job dissatisfaction, turnover intentions. However, there are very limited evidence available on the antecedents of supervisor incivility that what those variables in the organizational and project environments are that evokes the supervisor to show incivility (Schilpzand et al., 2016). So far very limited known about the antecedents or causes of supervisor incivility. Moreover, it is important to know those factors, which can influence the behavior of supervisors and make it uncivil. Study of (Eissa and Lester, 2017) have established the relationship of supervisor role overload with abusive supervision yet the relationship of project role overload with project supervisor incivility is not established and to know whether it is the possible antecedent of project supervisor incivility is or not.

In addition, researchers have spotlight the necessity towards the role of emotions to be study in the relation of supervisor incivility that what will happen to the project supervisor if supervisor is emotionally exhausted. Here to see that whether emotional exhaustion is the possible antecedents of project supervisor incivility and also its role as a mediator between project role overload and project supervisor incivility. Moreover, the role of time consciousness does not get so much attention from the researchers and only few studies have conducted on this. The fact is that time is considered a crucial constraint for projects and for project supervisors to complete the project within allotted time. However, its influence on project supervisor has not yet explored in the project domain so the current study will also explore the role of time consciousness. Moreover, these all mechanisms has not studied in the relationship between project role overload and project supervisor incivility so it is the need to further theorize it.

Moreover, the current study has conducted on project-based organizations operating in Pakistan. Project environment is dynamic and changing instantly as well as the project is bound with some major constraints like time, cost and quality. The project supervisor is a person who is supposed to complete the project within constraints. However, Supervisor's incivility considered to be upsetting the organizational performance and there is a lot known about its consequences in projects but nobody has tried to find out the root causes of the identified variable. The dependent variable in this research is project supervisor incivility; therefore, this current study has high utility in the project-based organizations.

1.4 Research Questions

Based on the problems discussed above, the study purpose is to find out the answers of certain questions, the detail summary of the questions are following:

Research Question 1

Whether and how project role overload related to project supervisor incivility?

Research Question 2

Whether and how emotional exhaustion influence project supervisor incivility?

Research Question 3

Whether and how emotional exhaustion mediates the relationship between project role overload and project supervisor incivility?

Research Question 4

Whether and how time consciousness moderates the relationship between project role overload and project supervisor incivility?

1.5 Research Objectives

Comprehensively, the study objective is to propose and test the anticipated model and to find the relationship between project role overload, emotional exhaustion

and project supervisor incivility. Furthermore, time consciousness has added as the possible moderator between the relationships of the given model. The more precise objectives of the present study are below:

Research objective 1

To explore the relationship of project role overload with project supervisor incivility in project based organizations.

Research objective 2

To explore the relationship of supervisor emotional exhaustion with project supervisor incivility.

Research objective 3

The study will also explore the mediating role of emotional exhaustion between the relationship of project role overload and project supervisor incivility.

Research objective 4

In addition, to investigate the moderating effect of time consciousness between project role overload and project supervisor incivility.

Research objective 5

To empirically test and establish the proposed relationships in the project based organizations of Pakistan.

1.6 Significance of the Study

There are many understudied topics in the projects field. Organizations are shifting to project based organizations these days. This shift demands more research in this area all over the world. However, some practices have practically followed but they need empirical evidence. Human resource is the important and complicated resource for any project. They can lift and worsen the project performance. Supervisor's supervises the employees in the organization and leads toward the goal of a particular project.

The research is significant both theoretically and empirically. As the scarce availability of the studies on the antecedents and the reasons why project supervisor indicates incivility. The study will enhance the theoretical perspective of project supervisor incivility that why and in under what circumstances the project supervisor during performing on the project shows incivility towards the employees and towards the objectives of the project. As project has specified time and unique objectives. The entire success of project depends on performance of project supervisor and its team. Therefore, it is important to identify the root cause of supervisor's incivility because these are counterproductive for the project. As incivility results in harmful and destructive results in the organizations (Penney and Spector, 2005). One of the causes of supervisor's incivility has considered being the role overload. It is important to know how the role overload acts to provoke project supervisor's incivility. Research stated that it is among the top stressors, which can be face by any organization. By studying and find out the empirical evidence of project role overload with project supervisor incivility will enhance the theoretical perspective of project supervisor incivility.

This study provides a clear explanation to sort out the project supervisor's incivility problem. If the results would show any impact this study provides a clear heads up that the project role overload of the supervisors should be dismiss in order to get the positive results required. We would have both empirical and practical evidence required for the successful completion of the project. So it would also add on to theoretical aspect.

There are many upcoming projects in overall world including Pakistan so it is very much important to know that how these facts can kept in mind for better performance of the employees. As the significance of this study is particularly to know about the antecedents of project supervisor incivility so another factor which is point out is the role of emotion such as emotional exhaustion and also the mediating role of emotional exhaustion between project role overload and project supervisor incivility. This will help to gather knowledge and build policies and interventions to lessen the pervasiveness of supervisor incivility.

This paper will also identify the role of personality on the role overload and the incivility of the supervisor. Because if the person will be more time conscious it may make him less emotionally exhausted or the other way depending on the persons personality. Therefore, by this we would come to know that which time of individuals should be hire for a project. It will add on to the theoretical literature and will help in practical application as well.

1.7 Supporting Theory

1.7.1 Affective Event Theory

According to Affective Event Theory ([Weiss and Cropanzano, 1996](#)), emotions are the key to anticipating behaviors of employee at workplace. Notably, AET propose that the behaviors of employee rely on employee manifestation to specific experiences or work events along with the emotional reactions that comes with response to these experiences or work events. In this way, AET endeavor to describe behavior of employees as a process that occurs via emotions, beginning with disclosure to work events and finishing with behavioral outcomes. Accordingly, in contrast with other viewpoints in literature that anticipate and explain behaviors at workplace, affective event theory highlights particular role of work events (uplifts, hassles, or both) and influence (positive or negative emotions) in prognosticating the behavioral reactions to both events and emotions at work ([Weiss and Cropanzano, 1996](#); [Judge et al., 2012](#)).

The current study relies on affective event theory proposed by ([Weiss and Cropanzano, 1996](#)) which explain the relationship of project role overload and project supervisor incivility based on the principle that events are the immediate causes of affective reactions. It make a distinction between events and features as explanatory constructs. The study of ([Fuller et al., 2003](#)) explored the effect of stressful work events on existing and future levels of job satisfaction and strain. According

to AET if suitable variables are included affective reactions mediated the relationship between events and outcomes. In this case emotional exhaustion mediate, the relation between project role overload and project supervisor incivility.

Things occur at work to people and their reactions are often emotional in nature. Empirical research has underpinned the fundamental beliefs of affective event theory, as studies have revealed the explanation of emotional experiences that how different workplace events effect counterproductive work behaviors (Spector and Fox, 2002) job satisfaction (Wegge, 2006), and organizational withdrawal (Zhao et al., 2007). Literature accepts this idea that events brings change in emotional states. The difference of opinion is that how events should be interpret.

Therefore, the original affective event theory model propound personality that operates at different points in the process by which events influence reactions and reactions influence behavior. Time consciousness is the dispositional factor, which operates in the process by which project role overload influence emotional exhaustion and then project supervisor incivility. Similar to the findings discussed above, the current study expands affective event theory to the project supervisor literature to advocate that uncivil act on the part of the supervisor is one relation in the events–emotions–behaviors process. Particularly, we contend that project role overload (event) is possibly to instigate supervisor emotional exhaustion (emotional reaction), which eventually elicits project supervisor incivility (behavioral reaction), with the robustness of these association hinge on facets of personality of supervisor.

Chapter 2

Literature Review

2.1 Project Role Overload

According to (Rizzo et al., 1970), “role overload is a condition that characterized by an excessive amount of work demands which employees are expected to fulfill”. Research of (Bolino and Turnley, 2005) stated that those people who encounter role overload discern that they have to handle several responsibilities and duties, feel they have large amount of work, and think, as they have not enough time to get things completed.

2.2 Emotional Exhaustion

According to (Maslach and Leiter, 2008), Emotional exhaustion refers to feelings of being strained and depleted of one’s physical and emotional resources.

(Bacharach et al., 1991) defined emotional exhaustion a state which is precipitated by emotional and psychological demands made on people, is the dominant and vital element of burnout.

2.3 Time Consciousness

Time consciousness defined, as tendency of a person to consider it as an inadequate resource and to utilize it carefully (Kleijnen et al., 2007).

2.4 Project Supervisor Incivility

Workplace incivility was defined by (Andersson and Pearson, 1999) and defined it as “low intensity deviant behavior with ambiguous intent to harm the target, in violation of workplace norms for mutual respect”. There are two general groupings of workplace incivility; coworker incivility and supervisor incivility. The incivility that are incited by coworker like distressing comments, “cranky” email, avoidance and shunning is coworkers incivility and supervisor incivility alludes to many of the same kind of behaviors, besides they arise from supervisor.

2.5 Impact of Project Role Overload on Project Supervisor Incivility

Role overload is the fulfillment of multiple roles at the same time and some researchers stated role overload as having several role demands and very little time to fulfill those demands (Rapoport and Rapoport, 1977). Initially devised as special manifestation of role conflict (Kahn et al., 1964), role overload arise when people feel that demand put on them unable to be accomplished in the accessible time (quantitative overload) or they don't have the skills for satisfactory performance of the task (qualitative overload). According to (Welbourne et al., 1998), in organizations individuals perform two principal work roles: one is jobholder role and the other is organizational member role. Jobholder role delineates specified responsibilities and duties that individuals must have to execute; on the other hand, organizational member role surrounds expectations of individuals to be exceptional citizen of an organizational. Further (Welbourne et al., 1998) empirically revealed the peculiarity of the two work roles, and research shows that individuals

usually feel coercion to engross in both the roles (Perlow, 1998). In the project, some of the basic supervisor functions involve setting deadlines and scheduling on one hand and creating opportunities for training accessible to entitle suitable acquisition of skills on the other hand.

The devastating incivility nature has escorted various researchers to stimulate human resource manager to expose permanent course to lessen discourteous behavior and preserve productive working environment in order to sustain the organization (Walsh and Magley, 2018). The reason for instigating studies on incivility is the universal nature of incivility as research of (Reio Jr and Ghosh, 2009) evident that 54% of respondents confessed to inciting uncivil behaviors like saying something painful towards others once a year at workplace. Likewise, in Asia, 77% of respondents surveyed from organizations in Korea, China, Singapore, India, Japan and Hong Kong delineated that once in a year at least they encounter uncivil acts from supervisors or from their co-workers (Yeung et al., 2008). Furthermore, (Einarsen and Raknes, 1997) research shows that in Europe, 75% of Norwegian engineers delineated undergo uncivil behavior once in the last 6 months at work.

In today's fast pace organizational environments and specifically project environments role overload is indigenous and has the possibility to disturb high-performance cycle. According to (Kahn et al., 1964) when role demands fabricate the perceptions that accessible resources are inadequate to cope with, emanating in stress and distraction, individuals expose to role overload. Role overload is omnipresent, complex manifestation of conflict that incorporates "aspects of person-role and inter-sender conflicts" (Kahn et al., 1964). Inclusively, as manifestation of person-role conflict, role overload aggregate to perception that demands of role are exceeding with respect to accessible resources. In complex task environments, such as in project roles and boundary spanning roles, also role overload commonly demonstrated as form of inter-sender conflict, where individuals are supposed to fulfill the expectations of various role senders (Singh, 2000).

According to (Narayanan et al., 1999), employee complaint four times more frequently about role overload than role conflict and eight times more often than role ambiguity. Similarly, the research of (Robinson and Griffiths, 2005) shows that in

all workplace stresses role overload constitute 38%. Swelling workloads has linked with notable costs for organization, society and individuals at large. Study (Goh et al., 2015) that health care costs arising from stressors at workplace in United States account for plenteous \$180 billion dollars a year, not including indirect cost like absenteeism, worker compensation expenses and reduced productivity. Role overload is different from other role stressors conceptually, it inculcates situations in which employee discern themselves time pressure due to several responsibilities and commitments which are present in their lives (Brown et al., 2005). Moreover, when conceptualizing job stress, it is composed of three stressors. Research stated that different kinds of stressors have linked with different behavioral and affective responses (Podsakoff et al., 2007). Similarly, studies investigated the influence of distinctive job stressors, the findings of these studies revealed that different job stressors have distinctive influence on employee outcomes.

Project role overload is the scenario in which the project supervisor has given multiple roles during project. If the person is more loaded with several roles, he will show incivility due to burden and stress. As extant research advocates that work stress is detrimental, increasing accidents (Steffy et al., 1986), and decreasing employee productivity. Similarly, (Taylor and Klueemper, 2012) identified the link between role-stress with greater amount of incivility in the individual. Many other researches relate role overload with aggressive behavior (Barclay and Aquino, 2011) and incivility (Maxwell et al., 2011). Furthermore, previous empirical researches have discerned role overload (Salin, 2003) role conflict (Skogstad et al., 2007) and role ambiguity (Jennifer et al., 2003) as being linked with substantial degree of discerned mistreatment at workplace. Role stressors fabricate situations that steer an individual to perceive and experience workplace mistreatment (Aquino and Thau, 2009; Barclay and Aquino, 2011).

(Hershcovis et al., 2007) identifies that disturbing events are the cause of supervisor's incivility. They can't become stagnant in the competitive environment they have to accept the role overload and challenges but it creates annoying attitude in them which is the cause of incivility as it is evidenced by (Fisher, 2014) employees are directed to take more role overload in order to remain competitive and

for benefitting the organization. Because of this, employees become overloaded (Gryna, 2004). Similarly, employees often take extra responsibilities and workload so that they should remain competitive and secure company bottom-line (Bolino and Turnley, 2005; Fisher, 2014). In addition to that, empirical studies relate role overload with high levels of perceived mistreatment at workplace (Salin, 2003).

Furthermore, incivility operates as both causes and outcomes. Following the research on incivility, scholars have constituted that incivility causes more harm than good (Itzkovich and Heilbrunn, 2016; Schilpzand et al., 2016). Therefore, the current research objective is to find out the antecedents of project supervisor incivility and current research has undertaken role overload as one of the antecedents as research of (Rosenfeld, 1989) argued that approximately 60% of the supervisors in practice delineated great increase in workload as a result of taking on supervisory role. Based on this, role overload materialize to personify significant experiences for majority supervisors in today's project based organizations, still exploration of particular influence of project role overload on project supervisor incivility has ignored substantially. This research asserts that project supervisor incivility may instigate via role overload of a supervisor.

Hence on the above discussion, it is hypothesized that

Hypothesis 1: Project role overload is positively associated with project supervisor incivility.

2.6 Impact of Emotional Exhaustion on Project Supervisor Incivility

Researchers have characterized emotional exhaustion by feeling of being worn out, loss of energy, chronic fatigue and debilitation (Schwarzer et al., 2000). Emotional exhaustion research originally conceptualized from Maslach powerful model of burnout. The original Maslach burnout framework had three parts. There is an agreement from researchers side that burnout has three components. Emotional exhaustion has manifested by deficiency of energy and consumption of emotional

resources of a person; another component of burnout is depersonalization that is emerging in display of cynicism toward organizations, customers and coworkers; and third and last component of burnout is diminished personal detachment means the propensity to assess oneself negatively (Maslach and Jackson, 1981). The current research interest is the first one, which is emotional exhaustion. Research of (Lee and Ashforth, 1996) demonstrated that components of burnout are influence by, and in turn influence behaviors, in their own distinctive way.

For understanding and discernment of burnout process emotional exhaustion has transpired as a prominent variable in the formulation of original three-part model (Zohar, 1997; Baba et al., 1998). The justification for this are both conceptual and empirical. Conceptually, it is contended that emotional exhaustion apprehends the “core meaning” of burnout with highest degree (Pines and Aronson, 1988). Moreover, different conceptualizations of burnout are present and they are vary in different manner; nevertheless, all incorporate emotional exhaustion as principal element of burnout, proposing that it is surely key to the experience of burnout. Empirically, research has demonstrated that emotional exhaustion shows quite stronger links to key outcome variables than other components of burnout (Lee and Ashforth, 1993).

Research has found relation of emotional exhaustion to a surfeit of malaise involving depression, family difficulties, physiological issues, and extensive disintegration in feelings of community (Kahill, 1988). Moreover, past studies revealed that emotional exhausted employees are more probable to withdrawn from work environment as compared to other employee (Cropanzano et al., 2003). Studies have revealed that employees suffer from high level of emotional exhaustion engross in organizational deviance, higher level of incivility and other counterproductive behavior. Similarly, research of (Sakurai and Jex, 2012) suggested that for alleviating of negative emotions emotionally exhausted employees are probably to show counterproductive work behavior. Furthermore, (Mulki et al., 2006), argued that due to mental and emotional exhaustion employees may spend less effort at work and may be unenthusiastic to help others.

In contrast, some researchers argue that emotional exhaustion can be a vital element in fruitful managing of stress at workplace (Ito and Brotheridge, 2003). Emotionally exhausted individuals may engross themselves in deviant behavior in order to protect scarce resources of the organization (Maslach and Pines, 1977) clients, or declining to complete work demands. Although these behaviors are undertaken to protect scarce resources and benefit the organization but its impact can be disastrous as research is evident that emotionally exhausted employees work with insignificant psychological functioning (Leiter and Maslach, 2005), which diminish the potential to engross completely with work (Schaufeli and Taris, 2005). Supervisors have the sole power in work environment to influence and control subordinates interactions, resources and time. In leader-member relationship, subordinates face vulnerabilities routinely, because they are powerless and rely on supervisors for resources (Kramer, 1996). If supervisors are emotionally exhausted, subordinates gets the signal that their exhausted supervisor are unable to furnish them with compensatory resources. Consequently, exhausted supervisor reluctance to endow additional resources should activate abusive acts, if supervisor countenance hostile stimulus. Similarly, (Lam et al., 2010) argued that emotionally exhausted supervisors prompt both implicitly and explicitly that they are unable to provide support and consideration to subordinates they need to replenish their drained resources. In support of the argument, both experimental and field research manifested that people will lessen their availability, responsiveness, positive intentions, and sensitivity towards others when they are emotionally drained (Baumeister et al., 2018). Therefore, we argued that emotionally exhausted supervisors are unable to deal with their subordinates on the project. Their intensions towards the project are not positive and they respond to their team members and subordinates with uncivil behavior.

Furthermore, between practitioners and scholars the dark side of management has attained a growing concentration (Tepper, 2007; Aryee et al., 2007). Research advocate that supervisors show hostile behavior toward their subordinates (Schyns and Schilling, 2013). Moreover, it is rationale to propose a relationship

among emotional exhaustion of supervisors' and perception of subordinates regarding project supervisor incivility. According to (Thau and Mitchell, 2010), with exhausted supervisors being less prompt to utilize valuable resources to retain standardize behavior, they may be unwilling to endow effort to prevent hostile stimulus. Therefore, such supervisors may be likely to follow hostile propensity, and therefore are more likely to behave abusively toward others in their social surroundings (Wheeler et al., 2013). (Hoobler and Brass, 2006) argued that direct supervisors might be specifically at risk, the reason is the subordinates less powerful and dependent situations, which makes them easy and safe targets for supervisor aggressive and abusive behavior.

According to affective event theory AET, people encounter variety of emotions such as frustration, betrayal, joy, annoyance, pride or even anger and each emotion bring different behavior. Such as research of (Westman and Eden, 1997) found that workers suffer from emotional exhaustion are disposed to withdrawn from work environment. Similarly, scholars have associated ego depletion (Courtright et al., 2016) as well as resource deprivation indicators i.e., alcohol consumption at workplace, depressive symptoms, and anxiety (Byrne et al., 2014) with deviant and abusive behaviors of a supervisor. Therefore, when one conclude these findings, it looks more reasonable to conceptualize deviant acts such as project supervisor incivility as supervisor reaction of role overload such that if supervisors are emotionally exhausted at the project from their work are more vulnerable to show incivility toward their subordinates and team members at the project.

In addition, research manifested that negative emotions are positively associated to aggression at workplace. Therefore, consistent with (Spector and Fox, 2005) research on emotion-aggression and congruous with affective event theory AET (Weiss and Cropanzano, 1996), emotional exhaustion (as an emotional reaction to project role overload) expected to be propelling element of project supervisor incivility in the project. That is once emotionally exhausted supervisor are more vulnerable to engrossing incivility as a process of coping with negative emotions and therefore are greatly dispose to act in a way that their subordinates and team members perceive and report as uncivil.

Therefore, from the above discussion we hypothesize that .

Hypothesis 2: Supervisor emotional exhaustion is positively associated to project supervisor incivility.

2.7 Mediating Role of Emotional Exhaustion Between Project Role Overload and Project Supervisor Incivility

Emotional exhaustion means feelings of being worn-out by duties and tasks at workplace. As researchers suggested it as a chronic condition of physical and emotional deterioration, which is repercussion of imprudent job demands and relentless hassles. According to (Jennett et al., 2003) emotional exhaustion has acknowledged as essential component of burnout and results from job-related stress. Research suggest that emotional exhaustion is similar to traditional stress reactions which are deliberated in the research of occupational stress like anxiety, psychosomatic complaints, fatigue and job-related depression (Demerouti et al., 2001). Moreover, emotional exhaustion surface when there is persistent depletion of one's energy as individual struggle to encounter job demands. Both empirically and conceptually, research has discerned many environmental and affective elements that are associated to emotional exhaustion feelings. Such as emotional exhaustion appears to be associated with variety of task characteristics (Maslach and Jackson, 1981; Kafry and Pines, 1980) job satisfaction (Stout and Williams, 1983) and quantity workload and role conflict (Jackson et al., 1987). As conjectured, these researches showed that highest level of emotional exhaustion has delineated by employees who were unsatisfied, bestowed with contrasting demands, felt they are overloaded and who had little hegemony over their work.

According to (Cordes and Dougherty, 1993), burnout is a job stress, which is the aftermath of demand stressors, also antecedents' variable to many outcomes that may be psychological, physiological or effect behavior of an individual at work. Antecedents of emotional exhaustion, which has identified previously, include working

in positions with high levels of work related role stress, high levels of non-work related stress and high levels of interpersonal interaction (Hagen, 1989). Research investigating emotional exhaustion antecedents has inclined to cornerstone on occupational stress as primary antecedents. Likewise, it has thought that emotional exhaustion occur especially as depletion of personal resources in encountering the demands of “strong situations” which include role ambiguity, lack of autonomy between others and role overload (Maslach et al., 2001). Similarly, (Skaalvik and Skaalvik, 2010) constituted that time pressure and workload vehemently predicted burnout dimension such as emotional exhaustion (Fernet et al., 2012; Betoret and Artiga, 2010). Study of (Posig and Kickul, 2003) indicated that role overload has argued to deplete emotional energy when trying to encounter expectation with inadequate resources and time. Moreover, lack of feedback and task autonomy, swelled job demands due to utilization of advanced technologies, lack of social support from supervisor and colleagues, decreased advancement opportunities and high work overload seem to be paramount determinants of emotional exhaustion (Bakker et al., 2000).

Moreover, on these observations it is rationale to conceive emotional exhaustion as a type of strain, which arise from stressors at workplace. This state mostly arises when a project supervisor disturbed at the workplace i.e. project environment. Such disturbance can be due to several reasons. Hence, research mostly consider role overload as an effective event (Ohly and Schmitt, 2015; Fisher, 2014) and view role overload as job stressor. Particularly, overload may emanate in feelings of personal failure, anger and tension, increased productivity but lower quality and greater job dissatisfaction (Beehr et al., 1976; Caplan and Jones, 1975). Furthermore, in meta-analysis of (Örtqvist and Wincent, 2006) role overload was linked with increased emotional exhaustion and depersonalization and also reduced job satisfaction and organizational commitment. Moreover, role overload has relation with various nasty outcomes like frustration at work (Whinghter et al., 2008) as well as anxiety, frustration and emotional exhaustion (Glazer and Beehr, 2005; Baer et al., 2015). Similarly, the research of (Barling and Macintyre, 1993) evident that role overload influence emotional exhaustion directly. Furthermore, (Jensen

et al., 2013) argued that role overload activates negative attitudes and emotions that prejudicially influence organizational outcomes and job performance.

Role overload has observed to be influencing the supervisor's incivility but if try to identify its cause, its reason can be emotional exhaustion. Because the emotionally drained person can neither perform well nor can he supervise others with good behavior. The research of (Alacacioglu et al., 2009) linked emotional exhaustion with several organizational outcomes like absence of organizational commitment, turnover and withdrawal behavior. Such, emotionally exhausted experience results in project supervisor's incivility as rude behaviors including both verbal and nonverbal which could be destructive for the project. More over research is evident that role overload of supervisor evokes frustration in supervisor that results in abusive behavior of supervisor (Eissa and Lester, 2017). Additionally, affective event theory advocate that emotional or effective response to work experiences have possibility to effect attitudes related to work (Brief and Weiss, 2002). The exposure of strain linked with overload is probably be escorted by negative affective reactions, keeping in mind the obnoxious nature of such strain such as emotional exhaustion, tension, fatigue and anger (Örtqvist and Wincent, 2006). Successively, these detrimental affective reactions have the probability to effect attitudes concerning the comprehended source of strain. As according to (Eatough et al., 2011) employees lean to impute stress linked with role stressors to their organization, the subsequent negative influence should have a deleterious influence on attitudes with respect to organization.

(Sulea et al., 2012) has discerned five paramount types of intangible workplace mistreatment that are ostracism, incivility, undermining, unwanted sexual orientation and abusive supervision. Distinct from other kinds of mistreatment at workplace, incivility is often intentional as culprit deliberately attempt to exclude or bother the target person (Britton et al., 2012). According to (Leiter et al., 2015) this "violation of workplace norms" is crucial facet that stated one of the workplace mistreatment is incivility. Incivility is identified as insensitive, inconsiderate; rude and disregardful behavior with indistinct motive to maltreat groups/teams (Lim et al., 2008; Reio Jr and Ghosh, 2009) and individuals directly (Pearson

et al., 2000). (Lim et al., 2008) argued that influence might enlarge afar from the sufferer and pierce other agents in the organization. The recent research study objective is studying project supervisor incivility, which is one form of workplace incivility. According to (Kozlowski and Doherty, 1989), in the work environment, in this case, project environment supervisor is an influential person, probably represent organization culture, and exercise direct impact on subordinate behavior. As (Gardner et al., 2009) argued that supervisory positions intrinsically constitute considerable stressors and demands. Moreover, dealing with problems of subordinates' performance is in the key responsibilities of supervisors (Engle and Lord, 1997). Similarly, findings of (Lam et al., 2017) revealed that this facet of supervisor has the possibility to exasperate the deleterious outcomes of emotional exhaustion.

Within the framework of affective event theory (Weiss and Cropanzano, 1996), role overload is considered as nagging event that engross resources and normally those resources are fixed (Hobfoll, 1989), which lead project supervisor to encounter negative emotions involving emotional exhaustion which make them unable to fulfill the demand of a work. Therefore, it is evident that role overload is the reason that project supervisor lack the necessary resources to get the work done and their performance suffer. Hence, it is believed that project supervisor role overload act as an affective event that shows job burden which supervisor are liable to take but are unable to complete which results in emotional exhaustion which ultimately makes the project supervisor show incivility. Furthermore, to complete our hypothesize model, we envisage the link among project role overload and project supervisor incivility mediate by supervisor emotional exhaustion. In congruous with affective event theory AET (Weiss and Cropanzano, 1996), we propound that indirect effect of project role overload on project supervisor incivility happens via the emotional response of supervisor emotional exhaustion that evokes project supervisor incivility. Surely, AET posits that influence of work events on behaviors will mediate by emotions at workplace. Therefore, the enactment of affective theory begins with influence of project role overload (event) on supervisor emotional exhaustion (emotion). Eventually, emotional exhaustion instigates

project supervisor incivility (behavior).

Hence, on the basis of above discussion, we hypothesized that:

Hypothesis 3: Emotional exhaustion will mediate the relationship between project role overload and project supervisor's incivility.

2.8 Moderating Role of Time Consciousness Between Project Role Overload and Emotional Exhaustion

Time consciousness defined, as tendency of a person to consider it a scarce resource and to utilize it vigilantly (Kleijnen et al., 2007). What is consciousness? A question presently discussed strenuously by both neuroscience and philosophy in current years. Majority, generally place, consciousness delineates the potential to experience subjectively. One key facet of subjective experience is continuity of time that William James entailed in his concept of "stream of consciousness" the integration and association among different discrete points in physical time in the resulting neural activity that (Northoff, 2016) recommended, results in temporal activity. Researchers have investigated the way people perceive experience and value their time across several scientific disciplines by examining their time perceptions according to valued behavior and outcomes. (Becker and Mulligan, 1997) linked time awareness with economic actors, consumption tendencies as they relate to instant gratification, inadequate resources and recklessness. However, (Kleijnen et al., 2007) argue that the experience of time may be linked to an inherent personality characteristic; and similarly (George and Jones, 2000) conceptualize it as "an intrinsic property of consciousness". So if we talk about the role overload of a supervisor than it is not necessarily possible that the supervisor's incivility will arise because of the individual's personality. Because every individual is different (Nawroth et al., 2017). The person may be time conscious and he might manage all the roles successfully without being intrinsic.

According to (Matthews, 1982) time consciousness is representative of cognitive style in which people specifically contemplate manners to administer time actively. Our consciousness of time is familiarity that emerges from within. Similarly, Augustine astute comprehension of temporal or time-related nature of human consciousness constituted that time is not a basic imaginative construction, rather internal structure that appraise practical activity. Researchers showed interest in what people do both individually and collectively with time resources, which prompted various empirical research of individual time use. Majority of this empirical research, though, has undertaken with suppositions of fixed resource approach: first time resources are scarce and second activities are typically perform one at a time (Schary, 1971). By integrating activities, individuals utilize time resources to fulfill various goals at same time. Several authors have contended with the concept of multiple and simultaneous utilization of time in their efforts to apprehend its influence on behavior (Hendrix et al., 1979).

For investigating time awareness in individuals, (Dapkus, 1985) utilized clinical interview and found various distinct dimensions in participants' temporal schemes. These dimensions incorporated acknowledgement of time as inadequate resource, changing awareness of time, and the perception of speed with which time passes or tempo of time. Moreover, (Thoms and Pinto, 1999), works shows that project managers who are successful, adjust their own "time orientations" to complement the changing situations and temporal demands of team tasks, they are liable to handle. Constructed on this authentication, (Waller et al., 2001), suggests that perceptions of individuals about deadlines may influence how they act and behave under condition of deadlines and that difference in perceptions and succeeded behaviors between team members are possibly to influence the team potential to complete the task in time allotted. According to (Gersick, 1989), time attention behaved as catalyst, prompting "midpoint transition" to propel forward the team in their task completion. Moreover, deadline meeting has considered a major project success measure (Freeman and Beale, 1992). I.e. the capacity to meet project time and deadlines of product development team to enter new product into the market can have remarkable influence on product sales (Hultink and Robben,

1999).

Roles determine what must be fulfilled and usually institute schedules and priorities for executing important activities. Therefore, roles can put challenging demands on accessible information, time, money, skills and goods, fabricating role conflict type called role overload. According to (McGrath and Kelly, 1986) temporal facet of role overload, defined as experiencing extra role to do than can be completed in available time or encountering less time assigned for a fixed set of role activities. Application of role overload to traditional resource theory propose that individuals forms division of set of role expectation into distinct time blocks and endeavor to assign tasks to others, swell productivity and lessen the quality or quantity of activities taken once at a time. According to (Crawford, 2015) time consciousness of people, vary with respect to context.

According to (Francis-Smythe and Robertson, 1999) time personality or time consciousness as we argue shows individuals who has awareness about passage of time, has a need to meet deadlines, plan their activities, doing multiple things at the same time and generally attempt to complete more in less time by may be in hustles along both themselves and other people. Researchers orchestrated research on the way in which people utilize and keep track of time. More treatments of time orientations in organizations has been given by (Edwards et al., 1990). Various forces have propel this interest. One is potential link between perspective about time as a valuable resource and exposure of strain at work. The belief is that some people are more contemplated about time and its passing than other people are, and as a consequence, may be more vulnerable to suffer the psychological and physical symptoms linked with strain when time demands are peak.

Individual happiness and satisfaction may linked to the degree that individual's pattern of time awareness counterpart organizational expectations (Schriber and Gutek, 1987). The dimension of time is vital for survival and everyday behavior. We apprehend duration and we are conscious about passage of time, and these happenings have interlaced with affective states and effect decisions about when to act, and how to act. As time attention has significant influence on the success of the project but the role of time consciousness has largely ignored with respect

to project supervisor according to our limited knowledge. Research of (Freedman and Edwards, 1988) stated that the time urgent individuals who expose to working under time constraints might be in position to combat a higher level of time pressure when the condition of works need it. As according to Affective event theory time is an important element to affect the mood and effectiveness of an employee. Bad tempers are a result of emotional reactions (Weiss and Cropanzano, 1996). Moreover, research of (Waller, 1999) indicates that the existence of highly time aware member lessen multitasking behavior in teams who are working on innovative under conditions of deadline. Furthermore, (Landy et al., 1991) argued that people most anxious about passing of time suffer the most when time demands are high. This advocates that individuals who are impatient and highly aware about leisure time may completely vulnerable to stress/strain reaction under situations of role overload. The project environment is dynamic and very time consciousness and the project supervisor or manager has a greater responsibility to complete the work on time.

Nevertheless, the relationship of time consciousness on project supervisor behavior is still unexplained. Moreover, (Maslach and Leiter, 1999) was the first to suggest that there is a necessity for intervention research that cornerstone on psychological processes included in intervention of burnout rather focusing on end-state of burnout. Similarly, much can be obtain from methodological investigation of time related elements that effects the levels and forms of stress that people encounter and the different ways they utilize for managing with such stress in non-work roles and work roles. That's why time consciousness is added as a moderator variable between project role overload and supervisor emotional exhaustion to see the impact that whether the time conscious supervisor with role overload on project influence emotional exhaustion or not and if show influence whether it increase or decrease the supervisor emotional exhaustion.

Furthermore, researchers stated that time urgent individuals incline to schedule more activities than what fit into the available time. Therefore, they are in rush to complete all their commitments and goals under situation of deadline that they have mostly created. Time conscious individuals should be efficient in utilization of

time to fulfill all the scheduled activities. Additionally, by planning vigilantly when to do each task and how long will it take, keeping to schedule set and execute some tasks simultaneously. Therefore, though the perception of role overload may still be present, it might be escorted by perception of control that then lessens or remove the negative aftermaths such as stress/strain and increase positive outcomes like achievement, satisfaction (Francis-Smythe and Robertson, 1999).

Moreover, despite the prevalence of discussion about spatiality and space, there is very limited debate about time and temporality specifically in project environment and project based organizations regardless that time is considered as the main constraint within the project because the project success depends on completion within time, budget and scope. So there is very little known about the project supervisor time consciousness that whether the supervisor should be conscious or not. Furthermore, our hypothesized model conform with research investigating same moderating structure associated to both behavioral and affective reactions in work environment (Rodell and Judge, 2009). Also congruous with affective event theory research questioning, that how personality effect process of work events into emotion generation and ultimately into behavioral reactions (Weiss and Beal, 2005).

Based on the above discussion, the current research argue that time consciousness moderates the relationship of project role overload and emotional exhaustion such that it will strengthen the relation.

Hypothesis :4 Time consciousness moderates the relationship between project role overload and emotional exhaustion; such that project role overload will have stronger positive relationship with emotional exhaustion for project supervisors who are highly time conscious than those who are low time conscious.

2.9 Moderated Mediation

Lastly, as we anticipate that afore said personality will moderate the previously alluded hypothesized link, but we also predict that this personality simultaneously will conditionally effect the indirect effect between project role overload and supervisor incivility. Congruous with hypothesized model, we anticipate a moderated mediation pattern, whereby indirect effect of project role overload on project supervisor incivility that happens via supervisor emotional exhaustion will hinge on personality moderator.

Hypothesis 5: Supervisor time consciousness will moderate the indirect effect of project role overload on project supervisor incivility via supervisor emotional exhaustion; the mediated relationship will be stronger when time conscious is high as opposed to low.

2.10 Research Model

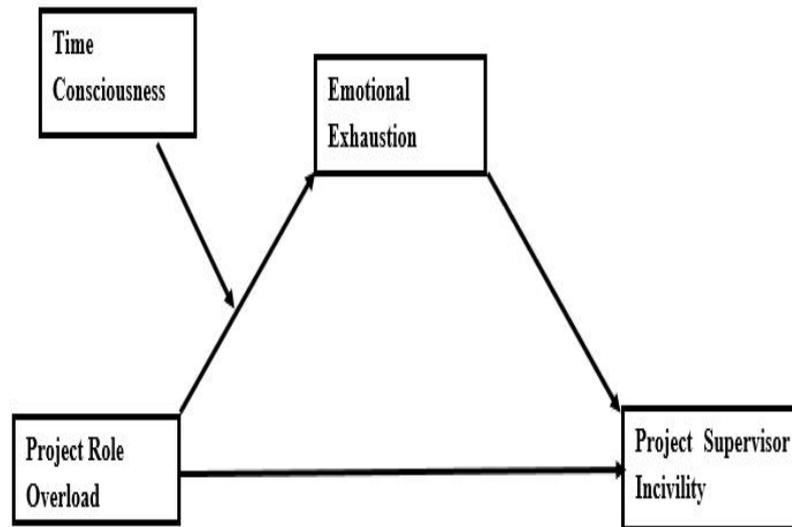


FIGURE 2.1: Research Model of Project role Overload and Emotional Exhaustion as antecedents of Project Supervisor Incivility: Moderating role of Time Consciousness

2.11 Research Hypothesis

H₁: Project role overload is positively associated with project supervisor's incivility.

H₂: Emotional exhaustion is positively associated with project supervisor incivility.

H₃: Emotional exhaustion will mediate the relationship between project role overload and project supervisor's incivility.

H₄: Time consciousness moderates the relationship between Project role overload and Emotional exhaustion; such that project role overload will have stronger positive relationship with emotional exhaustion for project supervisors who are highly time conscious than those who are low time conscious.

H₅: Supervisor time consciousness will moderate the indirect effect of project role overload on project supervisor incivility via supervisor emotional exhaustion; the mediated relationship will be stronger when time conscious is high as opposed to low.

Chapter 3

Research Methodology

It is very important to differentiate between research methods and research methodology because these two are very different from each other. Research method involves each techniques/methods that has utilized for orchestration of research. Research methods or techniques refer to the ways researcher utilize in conducting research options. In other words, all those techniques, which has utilized by the researcher while studying research problem, known as research methods.

In contrast, research methodology is a way to solve research problem systematically. The contemplation of research methodology is broader than that of research methods. Hence, when we speak of methodology it doesn't mean only the methods but also the logic behind the methods utilize in the context of that study and explain the utilization of one technique or method over another, so that research results are capable of being assessed either by other or researcher himself.

This chapter specifically indicate the methodology to investigate the impact of project role overload on project supervisor incivility with the mediating role of emotional exhaustion and moderating role of time consciousness. The discussion in this chapter are related to research design, population and sampling techniques, characteristics of the sample and instruments of all the variables and items present in each variable.

3.1 Research Design

A good research design assists researchers to get outstanding results, in addition it helps in escalating usefulness of the research. Predominantly, in social sciences two research design approaches are there known as “quantitative approach” and “qualitative approach”. Majority of researchers hold belief that quantitative research is more reliable and effective as compared to qualitative research design (De Vaus and de Vaus, 2001). Researchers can secure authenticated and trustworthy results with the assistance of quantitative research design (Chase et al., 2016). Research design is defined as the exhibition of conditions for data collection and analysis in such a way that objective is to blend pertinence to the research aim with economy in procedure (Selltiz et al., 1960). For the present study, we are getting support of quantitative research design by utilizing standardized techniques and tools. As it precipitates reliable data by transforming observable fact into numbers, which further analyzed to discern associations, relationships, causes and effects. It is vital to note that by measurable and observable means that people indicate their level of acceptance with statement, which comply their personality/behavior and disagree which not.

Furthermore, survey procedure was executed to collect data that involves the utilization of questionnaire comprising of demographics such as age, gender, qualification and experience. Different types of surveys are there which executed such as on-line surveys, phone interviews, self-administered questionnaires etc. (Ary et al., 2006). Self-administered questionnaire were used for data collection in the present study. According to (Cavana et al., 2001; Bowling, 2005), questionnaire usage is valuable in terms of time and cost and it is easy to punch and analyze data. Furthermore, for managing the process of the research, it is a detailed process and included the study details with respect to type of study, study settings, unit analysis and time horizon explained in detail below.

3.1.1 Type of the Study

The current study is an ‘explanatory study. According to (Baxter and Jack, 2008), Researchers used this term when they explore answer to question and the objective is to discuss the causal relation between the interventions. This is a causal/relational study in which the influence of project role overload on project supervisor incivility has assessed based on respondent self-reported perception about these variables. Survey is a method of gathering quantitative data in pre-defined and formulated format to make easier data. Data is gather from a sample and opinion made on whole population (Kerlinger and Lee, 2000). Even though sample should be with accordance to scientific research methodology.

Surveys has two types; relational and descriptive (Rungtusanatham et al., 2003). Relational surveys are utilize to study empirically the links among independent variable and dependent variable while descriptive surveys utilized to study present state of affairs. For current study, relational survey design was utilized, the reason is the researcher plan is to discover the link among project role overload and project supervisor incivility. In this respect, Pakistani public and private project based organizations have targeted to acquire the needed data to obtain the genuine results. In the first phase, the target was to obtain 350 questionnaires but 296 authentic responses were gathered. The sample selected for this study has reckoned to constitute the overall population of Pakistan. This will aid to generalize the results obtain from sample on whole population.

3.1.2 Research Philosophy

Different types of philosophical approaches are there termed as “paradigm for social sciences that strengthen and support scientific inquiry. Researchers defined it as the fundamental world view or that steer exploration. The researcher choice towards adopting any particular philosophy possibly influence the choice concerning to data collection instrument and the collecting data interpretation (Bazeley, 2003). Hypothetical deductive research method is backing the current research, in

which existing theories and previous research were utilized to support and manifest our hypothesis, which will then be empirically tested for proposed hypothesis verification. The hypothetical deductive method or model is an anticipated illustration of scientific method. According to this method, scientific examination begin by formulating hypothesis in such a way that could compellingly falsified by test on a visible data.

Furthermore, in social sciences the researchers are more willing to adopt positivist research paradigms (Neuman, 2006). Most pertinent method to positivist research philosophy in social sciences is quantitative research method. As according to researchers, this philosophy involves reliable measures for hypothesis testing and analysis. Therefore, current research embraced positivist philosophy, as it assists to deduce logic so to pinpoint and verify proposed links. This research paradigm is best suited our research because it takes on essentialist focus presuming that reality is yet to be reveal. Here the researchers disengage themselves from the phenomenon which is going to be observed and to remain as “objective” as possible and tries best to circumvent bias that may affect the findings of the study. Moreover, after reviewing theory hypothesis are developed and data is collected as well as analyzed and interpreted. According to (Neuman, 2006), all these increases the data collected reliability.

3.1.3 Study Setting

The present study is a field study because participants, i.e. employees and their supervisors of public and private project based organization were approached on their job and they filled the questionnaire in their natural work environment. (Brennan et al., 2002). Variables included in this study were neither manipulated nor controlled, and no artificial setting has produced for study.

3.1.4 Unit of Analysis

In any research study, the most vital feature is unit of analysis. The unit of analysis means individuals or objects whose characteristics and features are to

be analyze in the study. It may be individual, dyad, group, industry, country, organization or a culture from where the researcher collect the data. The present study is designed to see the influence of project role overload on project supervisor incivility therefore, the unit of analysis were individual because we are studying the supervisors of project-based organizations and as the hypothesized variable indicate i.e. project role overload.

In order to examine the impact of project role overload of a supervisor on project supervisor incivility the research required to proceed project based organizations to assess the supervisor incivility in projects.

3.1.5 Time Horizon

The method adopted for data collection for this study were cross sectional. The data collection took approximately 2 months. The reason for adopting cross sectional method is due to time shortage because in thesis, the time is short and one must have to complete the thesis in required time.

3.2 Population and Sample

3.2.1 Population

Population is Set of events, things, peoples linked with interest that the researcher ought to explore. Every project is unique irrespective of the industry whether it is a construction project, information technology project or non-governmental organization (NGOs) project etc. It has some specific objectives, deadlines and budgets. It is the sole responsibility of project supervisor to complete the project within specified time, budget and scope. This creates a hustles on project supervisors because he or she has no other option but to complete the project within the specified requirements. Since the current research, pursue to concentrate on Pakistani public and private project based organizations. As in Pakistan, project based organization is emerging as a source of competitive advantage. There are

more than 1000 companies doing more than 5000 projects every year in Pakistan. Government and private both are included in it. National highway authority, defense housing authority, Nescom, and Bahria town are some biggest project based organizations running different projects in Pakistan. For this particular study, the population will be the supervisors and employees of project based organizations currently operating in different cities of Pakistan. Data were collected from project-based organizations working in Peshawar, Rawalpindi and Islamabad. These involve both national and international level project based organizations running different projects in the field of healthcare, infrastructure, energy, education, social services, hydropower and information technology.

3.2.2 Sample

Sample is the representative of population. The process in which a researcher selects an example of participant for a study from a population in which he is interested, this is called sampling (Leary, 2004). Similarly, in quantitative research, the sampling objective is to acquire group of individuals who represents of a large group of individuals, or who bestow particular information required. In social sciences research, sample usage is recommended strongly as compared to study overall population. The reason is in sampling fewer resources, money, and time is utilize, and possibility of data reliability are high. In contrast, it is demanding, expensive, time ingesting and exhausted to include entire population. Therefore, a sample should be enough to represent whole population.

Sampling has two types. One is probability sampling and another is non-probability sampling. In probability sampling, every observation has equal possibility to be picked as sample and in non-probability sampling it is pre-decided, which observation/case would represent as sample of population. Both types has some advantages and disadvantages but the selection wholly hinge on research objectives, study type and type of data. Probability sampling is effective and suitable when researcher has full information about population otherwise non-probability sampling should be utilize for sampling.

For the current research, convenience sampling were used and it comes under non-probability sampling. As there are different arguments about the population of project-based organizations in Pakistan but the exact population is still unknown as it is in initiating phase. Similarly, researchers suggested that when exact population is not known it is feasible to use non-probability sampling techniques. That is why convenience sampling of non-probability techniques were utilized for this research. Furthermore, the use of convenience sampling is evident from the research of (Khan and Rasheed, 2015) conducting on Pakistani project based organization. Moreover, (Shuck et al., 2011) and (Reio Jr, 2011) has also utilized convenience sampling for conducting a research. It is also easy to collect data by using convenience sampling when time is short and do not have so much resources.

3.2.3 Data Collection Procedure

Data were gathered from project organizations based on reference by teachers, relatives and friends. In fact, without connections data collection is very difficult specifically in Pakistan. Therefore, to approach maximum respondents every possible effort was utilized. The respondents were requested to help and provide consent in data collection. For ensuring confidentiality of information provided by respondents a cover letter was attached to the questionnaire. The cover letter with no doubt exhibited that the study is being carried out for scholarly purposes. Respondents were pledged of the privacy of their names and responses in order that the respondents do not feel hesitation to fill the questionnaire decisively.

Data were collected solely from project-based organizations for all variables. Data on independent variable (i.e. Project role overload), mediating variable (i.e. supervisor emotional exhaustion) and moderating variable (i.e. Time consciousness), were reported by the supervisors of different projects, as the current research main objective is to study the supervisors. Furthermore, the data on project supervisor incivility was acquired from employees and subordinates of project-based organization. The reason for obtaining data from subordinates on this particular variable is to reduce biasness. Similarly, the questions included in this specific variable is for subordinates to rate their supervisors. Lastly, Different steps were carried

out to ensure the responses anonymity and accuracy (Judge et al., 2006; Greenbaum et al., 2012). For example, participants were reminded to complete the correct respondent survey (supervisor versus employee). Next, the IP addresses were recorded.

For data collection approximately, 400 project supervisors and subordinates were approached. However, 320 responses were obtained from supervisor's respondent and 350 from employees, which were complete. Subsequent to data consolidation, the eventual sample accommodated 296 workable responses. The ratio used for data collection was 1:1, as different studies have adopted this approach for similar studies such as (Eissa and Lester, 2017).

3.2.4 Handling of Received Questionnaires

Received questionnaires were carefully examined for missing data. The questionnaires received were having problem of missing values means that there are some questions in a questionnaire that were not answered by the respondents. In quantitative study, an important aspect is to handle missing data, because it generates some serious problems. One it constitutes to statistical power of the data. Statistical power means statistical technique analytical ability to discover any significant impact in observed data set (Roth and Switzer III, 1995). Secondly, missing data also influence the accuracy of estimated variables.

Guidelines are present in the literature for handling of missing data. The dominant techniques for missing data handling according to (Roth and Switzer III, 1995) are mean substitution, regression imputation and listwise deletion. In mean substitution, mean value is entered for missing response. In regression imputation, regression equation is devised based on related variables for imputing and estimating missing values. In listwise deletion, if there is any missing data, all the data are deleted regarding to that respondent. All the methods have their own pros and cons. If talk about listwise deletion approach it takes into consideration only respondents original responses and researcher doesn't enter anything in data set but if there is little missing values then this approach cause loss of large amount of

data and influence sample size as well. Mean substitution approach assists saving large amount of data but the disadvantage is that it might interrupt original links that have been shown by respondents. Although, this issue can be disparaged if complete section in questionnaire is missed or missing values are small.

For the current study, based on the questionnaires received from the respondent and after punching of the data it was realized that there are missing values. To cope with missing values mean substitution approach was utilized. The reason was in every questionnaire less than five items were missing.

3.3 Sample Characteristics

For the current research, two questionnaires were designed. Supervisors filled one questionnaire and the employees and subordinates of that supervisor filled the other questionnaire. The demographics investigated in this research was gender and age of the supervisor and subordinates of the project based organizations. Similarly, other demographics that were included were experience and qualification of supervisors and subordinates.

The detailed characteristics of samples are following. In the first section, we will discuss the sample characteristics of supervisors and in the next; we will discuss the subordinates sample characteristics.

3.3.1 Gender

Gender is a component, which rest in spot aiming to retain gender equality. Therefore, it is also contemplated as vital element of demographics. The reason is it distinguishes between male and female in a given sample. In current study, it has been tried to make sure gender equality but still it has been seen that male supervisor ratio is much greater than female supervisors are.

TABLE 3.1: Frequency by Gender

Gender	Frequency	Percentage
Male	187	63.2
Female	109	36.8
Total	296	100

Table 3.1 depicts the information about gender. Table revealed that the more respondents were male supervisors comprised of 63.2% and the remaining 36.8% were female supervisors.

3.3.2 Age

For current study, first demographic is supervisors age and respondents sometimes feels hesitation to reveal their ages, so for their easiness and relaxation range was given.

TABLE 3.2: Frequency by Age

Age	Frequency	Percentage
18-25	30	10.1
26-33	145	49.0
34-41	93	31.4
42-49	16	5.4
50-above	12	4.1
Total	296	100

The table 3.1 delineates that maximum respondents were age “between” 26-33 as it constituted for about 49.0%, 31.4% were those respondents having age range “between” 34-41, furthermore, 10.1% of the respondents had an age between 18-25, 5.4% were the respondents having age range among 42-49 and 4.1% of the respondents were having age between 50 and above.

3.3.3 Qualification

Education is the vital element that accords towards prosperity and success of entire country as well as for competing globally. Therefore, after gender, education is essential element of demographics.

TABLE 3.3: Frequency by Qualification

Qualification	Frequency	Percentage
Bachelor	55	18.6
Master	187	63.2
MS/M.Phil	51	17.2
PhD	3	1.0
Total	296	100

Table 3.3 represents information regarding qualification of the respondents. Majority of the respondents had an education of master comprised of 63.2%, 18.6% of the respondents having qualification of bachelor, 17.2% of the respondents had education of MS/M.Phil and 1.0% of the respondents were those who had qualification of PhD.

3.3.4 Experience

To collect data about respondents experience different ranges were set so that the respondents can easily answer about their experience.

TABLE 3.4: Frequency by Experience

Experience	Frequency	Percentage
5-10	108	36.5
11-16	168	56.8
17-22	12	4.1
23-28	4	1.4
29-35	4	1.4
Total	296	100

Table 3.4 revealed the information regarding experience of the respondents. Table shown that more respondents had an experience of 11-16 comprised of 56.8%, 36.5% of the respondents were those having an experience of 5-10, 4.1% were

those respondents who had experience of 17-22 and 1.4% of the respondents had experience of 23-28, and 29-35. As the table shows that most of the respondents had experience of 11-16 years.

3.3.5 Gender

As the data were collected from two different respondents. Therefore, mentioning the employee and subordinate characteristics is very important. Gender represents that how much male and female respondents took part in the study.

TABLE 3.5: Frequency by Gender

Gender	Frequency	Percentage
Male	199	67.2
Female	97	32.8
Total	296	100

Table 3.5 depicts the information regarding employee's gender. As it has shown that the majority of the respondents were male constituted for 67.2% and the remaining 32.8% were female respondents.

3.3.6 Age

For collecting data about employees age different range were set for the respondents easiness as sometimes people shows hesitation while responding towards age.

TABLE 3.6: Frequency by Age

Age	Frequency	Percentage
18-25	70	23.6
26-33	131	44.3
34-41	75	25.3
42-49	14	4.7
50-above	6	2.0
Total	296	100

Table 3.6 revealed information regarding respondent's age. As the table shows that most of the employees were between 26-33 constituted for 44.3%, 23.6% of the respondents were those who had age ranging between 18-23, 25.3% of the respondents had an age between 34-41 and 4.7% and 2% of the respondents were age between 42-49 and 50-above respectively.

3.3.7 Qualification

Education is the pivotal constituent of demographics. As education plays vital role in the country development and progress. The table below contains information regarding qualification.

TABLE 3.7: Frequency by Qualification

Qualification	Frequency	Percentage
Bachelor	76	25.7
Master	171	57.8
MS/M.Phil	49	16.6
Total	296	100

Table 3.7 exhibits information related to respondent's qualification. As the table indicated that majority of respondents had qualification of master comprised of 57.8%, 25.7% of the respondents were those who had qualification of bachelor and 16.6% of the respondent's qualification were MS/M.Phil.

3.3.8 Experience

This particular contains information related to respondent's experience. To make it easy for respondents so that they can easily respond to the demographic different ranges were provided.

TABLE 3.8: Frequency by Experience

Experience	Frequency	Percentage
5-10	252	85.1
11-16	39	13.2
17-22	5	1.7
Total	296	100

Table 3.8 shows information regarding employee's experience. Majority of the respondents had an experience of 5-10 constituted for 85.1%, 13.2% of the respondents were those having qualification ranging from 11-16 and 1.7% of the respondents were those who had experience "between" 17-22.

3.4 Instrumentation

3.4.1 Measures

The data were collected through questionnaires adopted from different sources. The nature of the items included in the questionnaire is such that all of them i.e. project role overload, emotional exhaustion, time consciousness and project supervisor incivility has filled by the employees and supervisors. Three variables such as project role overload, emotional exhaustion and time consciousness filled by the supervisors himself. In addition, the questionnaire of project supervisor incivility filled by the subordinates in order to rate the supervisors. All the items in the questionnaire were responded by using a 5-points Likert-scale where 1 (strongly disagree) to 5 (strongly agree), except project supervisor incivility were measured by using 5- points Likert scale 1 very rarely to 5 always. The Questionnaires also contains four demographic variables that involve Age, Experience, Gender, and Qualification.

Furthermore, some questionnaires were modified for evaluation. Since the questionnaires which were developed in different context and not for project based organizations. Therefore, for the suitability to our study, few statements were changed without influencing actual construct of a scale.

Details of modified items are here. The scale of project role overload by (Schaubroeck et al., 1989) and (Beehr et al., 1976) used by (Bolino and Turnley, 2005). “The amount of work I am expected to do is too great” was included as “the amount of work I am expected to do is too great in the project”. Similarly, “it often seems like I have too much work for one person to do” was included, as “it often seems like I have too much work for one person to do in the project”. Moreover, “I never seen to have enough to have enough time to get everything at work” was included as “I never seen to have enough time to get everything in the project”.

The scale of supervisor incivility by (Cortina et al., 2001). Here the changes were only made in the description as in the original scale the description was “During the past five years, while employed by the English circuit courts, have you been in a situation where any of your supervisors or coworkers” was included as “In the project, have you been in a situation where any of your supervisors”.

Questionnaires were distributed both by visiting the project based organizations as well as online. Past researches showed that online data collection has considered as the more beneficial and expedient way. As it is easier to the respondent to fill the questionnaire as compared to filling it paper-pen method and nevertheless of data collection method, according to (Church et al., 2001) there is no considerable influence on data quality while using any of two preceding methods.

To circumvent any confusion and ambiguity the questionnaires were divided into various sections. Demographics information such as age, gender, qualification and experience was included in the first section. Section 2 was composed of questions assessing project role overload of a supervisor. Sections 3 involved questions assessing time consciousness of a supervisor. Similarly, section 4 comprised of questions measuring emotional exhaustion of a supervisor. Furthermore, section 5 incorporated questions assessing project supervisor incivility.

3.4.2 Project Role Overload

Project Role overload was assessed with a scale based on items from (Schaubroeck et al., 1989) and (Beehr et al., 1976) used by (Bolino and Turnley, 2005). The

items included in this scale are “the amount of work I am expected to do is too great”. The responses were made on 5-point Likert scale ranging from 1 (strongly disagree) to 5 (strongly agree).

3.4.3 Time Consciousness

The 9- item scale developed by (Kleijnen et al., 2007) was utilized for assessing time consciousness. The measures included in this scale are “I rarely think about how I am using my time”, “I prefer to be able to plan in advance what tasks I need to do”. The responses were made on 5-point Likert scale ranging from 1 (strongly disagree) to 5 (strongly agree).

3.4.4 Emotional Exhaustion

For measuring emotional exhaustion a nine-item scale was adopted from (Maslach and Jackson, 1981) emotional exhaustion scale (Maslach Burnout Inventory). The items included in this are “I feel fatigued when I get up in the morning and have to face another day on the job”. The responses were made on 5-point Likert scale ranging from 1 (strongly disagree) to 5 (strongly agree).

3.4.5 Project Supervisor Incivility

Project Supervisor incivility was measured by using (Cortina et al., 2001) seven-item Workplace Incivility Scale (WIS). Instead of asking participants about both worker and supervisor incivility as mentioned in Cortina et al. scale, the researcher will only ask the participants about being exposed to supervisor incivility. The modification was made according to the purpose of the research. The changes were made in the description; as such, modifications are evident from the previous research of (Reio Jr, 2011). The items included in this scale are and “Made mean or derogatory remarks about you”. The items will be measured on a 5-point Likert-type scale with responses ranging from 1 (never) to 5 (most of the time). For the research purpose the measure was modified and confirmatory factor analysis was

conducted to provide evidence regarding validity for each. Admissible internal consistency has been exhibited in prior studies 0.84–0.89 (Cortina et al., 2001; Spence Laschinger et al., 2009) and Cronbach’s alpha was .94 consistent with (Reio Jr, 2011).

TABLE 3.9: Instruments

Variable	Sources	Items
Project Role Overload	Schaubroeck, Cotton and Jennings (1989) and Beehr, Walsh and Taber (1976) used by Bolino and Turnley (2005).	03
Project Supervisor Incivility	Cortina, Magley Williams, & Langhout, (2001).	07
Time Consciousness	Kleijnen, De Ruyter, & Wetzels (2007).	09
Emotional Exhaustion	Maslach and Jacksons (1981) emotional exhaustion scale (Maslach Burnout Inventory).	09

3.5 Pilot Testing

A trial test orchestrated before going to perform main tests, known as pilot testing. According to (Van Teijlingen and Hundley, 2001), it particularly conducted to test the research instrument viability. It means that prior to administering pilot study the researcher must be clear about research topic, questions and research tools and techniques to reevaluate them to look how they will practically perform and if needed it can be adapted accordingly. Pilot testing is vital to test the usefulness of a questionnaire as this gives precious information about considerable abnormalities in questionnaire design. (Welman and Kruger, 1999) also disclosed

the importance of pilot testing as it helps in indicating equivocal questionnaire items and aids in disclosing imperfections in measurement procedures. It fortify inappropriateness and appropriateness of suggested instruments, procedures and methods and provides advance caution to alter them as needed. It aids in circumventing great amount of money, time and effort, which can be dissipated by utilizing such questionnaire that fabricates poor and unclear responses and results.

Prior going to do anything on substantial scale, it would be effective and proactive approach to orchestrate pilot testing, as it will circumvent various risks link to annihilation of time and resources. Therefore, pilot testing of approximately 40 questionnaires were conducted for the purpose to validate, if results are in line and familiar with the suggested hypothesis or not. After administering pilot testing it was deduced that there was no significant issue in the studying variables and the measurement scales were completely reliable as the threshold value for Cronbach alpha is 0.7 and all the scales have match the threshold value.

3.6 Reliability of Pilot Testing

TABLE 3.10: Reliability of Pilot Testing

Variable	Items	Reliability
Project Role Overload	03	.801
Project Supervisor Incivility	07	.926
Time Consciousness	09	.982
Emotional Exhaustion	09	.736

3.7 Data Analysis

For generating statistical results, different statistical tools and techniques have been utilize in social sciences. To check the links among variables researchers utilize correlation, to investigate effect of independent variables on dependent variables regression is use and process macros or structural equation modeling to test

the links between multiple independent, dependent. Moderating and mediating variables by utilizing SPSS, Liseral and Amos. These techniques and tools have some merits and demerits, but the choice of accurate tests and tools is strongly link with research model, research purpose, research type and nature of data. In the present research, Amos was utilized to check the discriminate and convergent validity. This method is not only accepted and popular in social sciences but in other disciplines also such as psychology and clinical psychology.

Generally, SEM has two parts called structural model and measurement model. In measurement models, links are examined between observed and latent variables it is also called confirmatory factor analysis (CFA). The statistical results aids in apprehension whether theoretical model is consistent with sample data. Certain rule of thumbs are utilized in SEM, which assists in apprehension the level of consistency between proposed model and data collected. Good model fitness values confirmatory factor analysis should be consider. For example, the value of “Comparative Fit Index (CFI)” should be greater than 0.9, as well as value of “Incremental Fit Index (IFI)” and “Tucker Lewis Coefficient (TLI)” should be measured which should be greater than 0.9. Moreover, value of “root mean square error of approximation (RMSEA)” should be take into account, which should be less than 0.07. For the current study, confirmatory factor analysis was conducted for model fitness based on the values of comparative fit index (CFI), root mean square error of approximation (RMSEA), Tucker Lewis Coefficient (TLI) and incremental fit index (IFI). For current study, analysis of the data was completed in three steps.

Firstly, demographic variables descriptive, such as age, gender, qualification, experience, and reliabilities of variables such as project role overload, emotional exhaustion, time consciousness and project supervisor incivility was calculated. According to researchers in social sciences items reliability should be greater than 0.70. In the present study Cronbach alpha of all variables were greater than 0.70. Moreover, links between all the variables was tested by performing Pearson correlation. Descriptive statistics, Cronbach alpha and correlation were calculated by utilizing SPSS.

In the second step, the links among theoretical variables i.e. project role overload, emotional exhaustion and project supervisor incivility were tested by running linear regression using SPSS.

In the third stage, mediating and moderating impacts were examined. Mediating role of emotional exhaustion between project role overload and project supervisor incivility and moderating role of time consciousness between project role overload and emotional exhaustion were checked by utilizing Preacher and Hayes process macros in SPSS.

3.8 Research Ethics

During conducting this research thesis, desirable ethics and standards were followed and more particularly while collecting data. Firstly, the aim of the research was conveyed to the respondents and after getting concurrence of the respondent, their response was acquired and incorporated for data analysis. The respondents were given guarantee about the confidentiality of the responses as the subordinates filled project supervisor incivility questionnaire and it might create problems for subordinates if supervisor get to know that they rate him/her negatively. Moreover, the data related to supervisors were also kept secret as it contained supervisor related emotions and personality.

Furthermore, data collection were done in natural setting and the respondents were not forced for instant feedback. For the convenience, proper time was provided and respondents were not forced for some advisable response. Despite of the fact that the researcher faced some unsuitable behavior in most case such as some respondents lost questionnaires, few of them did not return the questionnaires, but still they all were responded with appropriate behavior without any bad words.

Chapter 4

Results

For data analysis different software were adopted such as SPSS and AMOS. Confirmatory factor analysis was conducted for checking the model fitness utilizing Amos. Moreover, to examine relationships between variables, descriptive statistics, Pearson correlation and mediation and moderation analysis SPSS was utilized.

4.1 Confirmatory Factor Analysis

To analyze the measurement model IBM AMOS was utilized. The model were checked via fit statistics. These statistics involve multiple indices, such as chi square, Root Mean Square Error of Approximation (RMSEA), Comparative Fit Indices (CFI), Goodness of Fit Index (GFI) and Adjusted Goodness of Fit Index (AGFI).

Comparative Fit Index assumes that there is no correlation between all latent variables and compares sample covariance matrix with null model. The acceptable range is between 0 and 1 and for good model fit the value should be close to 1. Value above 0.90 shows good model fit and below exhibits poor model fit.

According to ([Gefen et al., 2000](#)) Goodness of Fit Index (GFI) asserts absolute fit for measurement model. ([Raykov and Marcoulides, 2000](#)) defines GFI as degree of variance and covariance proportion. The range of GFI is between 0 and 1 and the

value should be close to 1. For good model fit the value of GFI should be greater than 0.80 and below this threshold is consider as poor model fit.

Furthermore, according to (Byrne, 1998) Root Mean Square Error of Approximation (RMSEA) evaluate model goodness with population covariance matrix. For RMSEA different authors suggest different threshold values. (Hu and Bentler, 1999) commended the acceptable range should be between 0.06-0.08, while (Lomax and Schumacker, 2004) suggested that for good model fit the value should be less than 0.05. Whereas (MacCallum et al., 1996) suggested that for good model fit the acceptable value should be equal to 0.10 or less than 0.10.

4.1.1 Measurement Model

For validating the measurement model, confirmatory factor analysis were conducted following (Anderson and Gerbing, 1988) suggestions that composed of four latent variables, project role overload, Emotional Exhaustion, time consciousness and project supervisor incivility. The fusion of different fit indices such as model chi-square, comparative fit index (CFI), Tucker-Lewis Index (TLI), incremental fit index (IFI), goodness of fit index (GFI), and root mean square of approximation (RMSEA).

TABLE 4.1: Measurement Model

Model	CMIN/DF	CFI	TLI	IFI	GFI	RMSEA
Baseline Hypothesized Model	1.611	.964	.959	.964	.870	.046

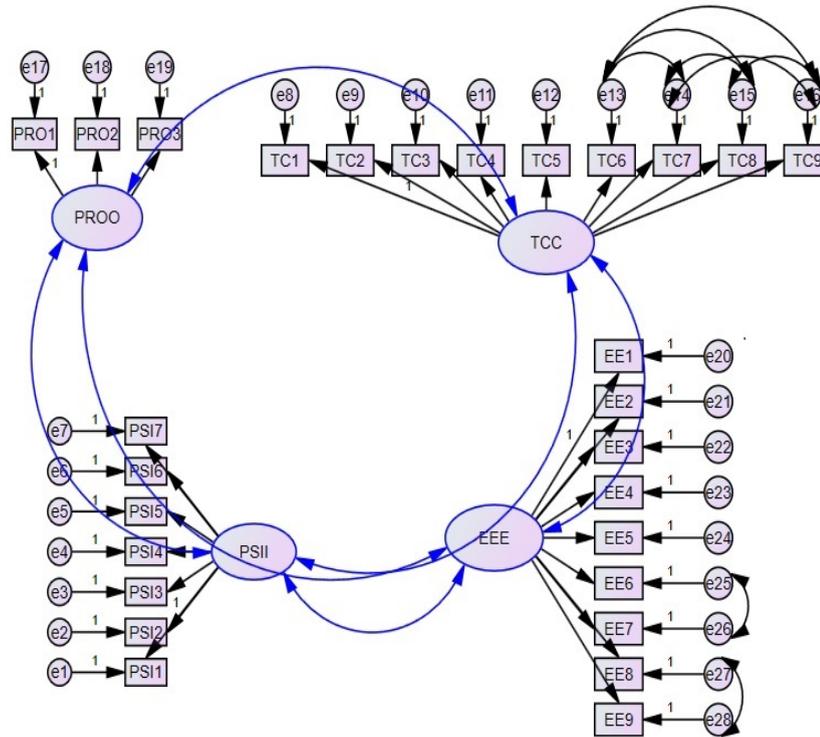


FIGURE 4.1: Measurement Model

Before interpreting, the table given above it is important to clarify the figure 4.1. The PROO latent variable indicates project role overload, EEE indicates emotional exhaustion, TCC exhibits time consciousness and PSII depicts project supervisor incivility. Table 4.1 revealed the results for model fit. For getting good model, certain changes were made to the model like linking certain error terms. Therefore, as the table depicts that all values meet the threshold values suggested by Hair et al (2009). Incremental fit index (IFI) value is greater than 0.90 that was 0.964, which exhibits excellent fit, comparative fit index (CFI) value, should be greater than 0.90 that was 0.964, which again illustrates good model fit, root mean square error of approximation value, should be less than 0.07 that was .046, which depicts good model fit. Similarly, the value of Tucker-Lewis index should be greater than 0.90 that was 0.959, which represents good model fit. Moreover, the value of goodness of fit index should be greater than 0.80 that was .870 which indicates excellent model fit. Last but not the least the value of chi-square for model fit should be less than 3 that was 1.611 which represents good model fit.

Overall, the four factor model results is good and excellent model as the values provide evidence.

4.2 Descriptive Statistics

Descriptive statistics of all variables such as project role overload, emotional exhaustion, time consciousness and project supervisor incivility are show in the table below. The means and standard deviations of all variables are depicted in the table 4.2. The mean values shows the response of respondents towards agreements and disagreements with the questions. Higher mean values exhibits respondents propensity toward agreement side and lower value depicts tendency of respondents towards disagreement.

TABLE 4.2: Descriptive Statistics

Variables	Sample	Minimum	Maximum	Mean	Std
Project role overload	296	1.67	5.00	3.77	0.86
Emotional exhaustion	296	1.00	5.00	3.79	0.86
Time consciousness	296	1.00	4.00	2.67	0.91
Project supervisor incivility	296	1.00	5.00	3.66	0.95

Table 4.2 depicts information regarding variables minimum and maximum values and means and standard deviations. Higher mean values are the indication of respondent's propensity towards agreement side and lower mean values are the indication of respondent's tendency towards disagreement side. As the mean value of project role overload in the table was 3.77 and standard deviation was 0.86 shows that supervisors agree that they have role overload on the project. The mean value of emotional exhaustion was 3.79 and standard deviation was 0.86 reveals that supervisors are agree that they get emotionally exhausted during the project. The mean value of time consciousness was 2.67 and standard deviation was 0.91 exhibits that most of the respondents had a propensity towards disagreement side. The mean value of project supervisor incivility was 3.66 and standard deviation

was 0.95 represents that employees are agree that their supervisors shows uncivil behaviors during the project.

4.3 Control Variable

For control variables, one-way ANOVA test was run in SPSS. The main aim of conducting one-way ANOVA is to see that whether the demographic variables have any impact on dependent variable, which is project supervisor incivility. Hence, our main purpose is to see the relationships, which were proposed in the model and their influence. Similarly, different studies revealed the significance of demographic variables as they probably influence propose relationships (Hunter and Hunter, 1984; McDaniel et al., 1988; Allworth and Hesketh, 1999). If any demographic variables effects the dependent variable, its influence will be control then. As the research main objective is to study project supervisors, therefore only supervisor related demographics were included. The table 4.3 revealed information

TABLE 4.3: Control Variables

Control variables	F-Value	Significance
Gender	0.172	0.679
Age	1.503	0.201
Qualification	0.142	0.934
Experience	0.908	0.460

regarding control variables. As result exhibits insignificant difference in project supervisor incivility across gender ($F=0.172$, $p_i > 0.05$), age ($F=1.503$, $p_i > 0.05$), qualification ($F=0.142$, $p_i > 0.05$), experience ($F=0.908$, $p_i > 0.05$). Hence, all the values showed insignificant relationships, it means that there is no need of controlling any demographic variable because no demographic effect the dependent variable.

4.4 Reliability Analysis

In psychometrics, consistency of scale is called reliability. According to (Carlson et al., 2009), a scale that gives similar results in different situations is known as reliable scale. To anticipate scale internal consistency reliability analysis were conducted. Value of Cronbach alpha is between 0 and 1. High value of Cronbach alpha signifies good reliability and low value of Cronbach value signifies poor reliability and poor scale. According to , the acceptable value of Cronbach alpha is greater than 0.7.

TABLE 4.4: Scale Reliability

Variables	Reliability	Items
Project role overload	0.723	3
Emotional exhaustion	0.875	9
Time consciousness	0.919	9
Project supervisor incivility	0.861	7

Table 4.4 depicts information regarding reliability of the scales. The results revealed that the reliability of project role overload was 0.723, which is greater than threshold value. Moreover, the reliability of emotional exhaustion was 0.875, which is also greater than threshold value, and the value was little high but such high reliability for this particular variable is evident in the literature like (Wright and Cropanzano, 1998) had a reliability of 0.89. Furthermore, the reliability of time consciousness was 0.919 as depicted in the table, which was also high, such a high reliability for this specific variable is present in the study of (Kleijnen et al., 2007). The reliability of project supervisor incivility was 0.861, which was greater than the threshold value and the value was high but such high reliability is evident in the study of (Reio Jr, 2011) for this particular variable as in the aforementioned the reliability was 0.93. Overall all the measures have good reliability and greater than the threshold value.

4.5 Correlation Analysis

Correlation analysis is conducted to discern the links among variables. The current research prime objective is to carry out correlation analysis to ascertain the correlation among project role overload and project supervisor incivility, the mediating role of emotional exhaustion and moderating role of time consciousness, in order to make proposed hypothesis valid. To know the nature of variation between two variables correlation analysis was carried out to see that the variables vary together or not. Pearson correlation analysis determine the nature and strength of relationship via correlation range that is from -0.1-0.1. Positive sign exhibits that that variables are moving in same direction and negative variable depicts that variables are moving in opposite direction. Furthermore, “r” value shows the strength of the association. If the value of Pearson coefficient is between the range of .1-.3 it means weak correlation, the value between .3-.5 signifies moderate correlation and the value greater than .5 means high correlation. The table below indicates the correlation between hypothesized variables.

TABLE 4.5: Correlation

Variables	1	2	3	4
Project role overload	1			
Emotional exhaustion	.301**	1		
Time consciousness	.127*	0.054	1	
Project supervisor incivility	.336**	.396**	-0.002	1

$p < 0.05^*$, $p < 0.01^{**}$

Table 4.5 exhibits the information regarding correlation between these variables. As the result shows that project role overload has significant positive relationship with all the variables. Like the correlation of project role overload with emotional exhaustion was ($r=.301$, $p < 0.05$), time consciousness ($r=.127$, $p < 0.05$), project supervisor incivility ($r=.336$, $p < 0.05$). The correlation of emotional exhaustion with

time consciousness was insignificant ($r=.054$, $p \geq 0.05$) and project supervisor incivility was positive and significant ($r=.396$, $p \leq 0.05$). Furthermore, the correlation of time consciousness with project supervisor incivility were insignificant ($r=-.002$, $p \geq 0.05$). As it can be seen that the correlation between emotional exhaustion and time consciousness and project supervisor incivility were insignificant. The research is evident that moderator variable must not have the correlation with dependent variable. As studies are evident, they also had no correlation of moderator with dependent variable.

4.6 Regression Analysis

For analyzing the presence of links among variables correlation analysis were carried out but it only infer the presence of relationships among variables via insufficient support and provides no evidence about the causal relationships between variables. Therefore, for finding out the causal relationship regression analysis has conducted to validate the dependency of one variable on another variable. Regression analysis has two types, one is simple regression and the other is multiple regression. Simple regression or linear regression has conducted, when there are two variables and the purpose is to establish causal relationship. Multiple regression has conducted when more than two variables are included like in the case of mediation and moderation. Below two tables presented simple regression analysis.

4.6.1 Simple Regression

TABLE 4.6: Simple Regression

		Project Supervi- sor Incivility		
Predictor	β	R^2	Sig	
Project role overload	.370***	0.113	.000	

Hypothesis 1 enunciates that project role overload positively influence project supervisor incivility. For this hypothesis, the results provided in the table provided strong justification. Results suggested that there was no control variable because there was no significant impact of demographics on project supervisor incivility. Therefore, no demographics were included. Results shows that project role overload has positive and significant link with project supervisor incivility as exhibited by the regression coefficient ($B=.370$, $p<0.000$). In addition, the value of ($R^2 .113$) depicts that project role overload brings 11% variations in project supervisor incivility.

TABLE 4.7: Simple Regression

Project Supervisor Incivility			
Predictor	β	R^2	Sig
Emotional Exhaustion	.438***	0.157	.000

Hypothesis 2 states that emotional exhaustion is positively influence on project supervisor incivility. For the mentioned hypothesis the results in above table gives strong justification. Since control variables has no significant impact on project supervisor incivility so they were excluded. Results depicts that emotional exhaustion has positive and significant relationship with project supervisor incivility as indicated by regression coefficient ($\beta=.438$, $p<0.000$). Similarly, value of ($R^2 .157$) delineates that emotional exhaustion brings 15% variations in project supervisor incivility.

4.6.2 Multiple Regression

For current study, mediation and moderation analysis were conducted by adopting (Hayes, 2013) process macros. Mediation analysis was conducted to investigate emotional exhaustion as a mediator between project role overload and project supervisor incivility. For that, purpose process macros were used and model 4 was utilized for mediation regression analysis. Furthermore, moderation analysis

was conducted to examine time consciousness as a moderator between project role overload and emotional exhaustion. For this model 1, was utilized. In addition, as our model is moderated mediation model so for that purpose model 7 was utilized.

TABLE 4.8: Mediation

IV	Effect of IV on M	Effect of M on DV	Direct effect	Total effect	Bootstrapping result for indirect effect	
					LL 95%	UL 95%
Project role overload	.300***	.358***	.262***	.370***	0.0571	0.1803

N=296, IV Independent variable, M Mediator Variable, DV Dependent variable, LL Lower level confidence interval UL Upper level confidence interval *** p < .0000.

Hypothesis 3 enunciates that emotional exhaustion will mediate the relation between project role overload and project supervisor incivility. The results shown in the table 4.8, provides strong justification. Table 4.8 depicts that indirect effect of project role overload on project supervisor incivility has the lower level confidence interval and upper level confidence interval of .0571 and .1803. Both the ULCI and LLCI has same sign positive and there was no zero present between these two. Hence, we can conclude from here that mediation is happening. Hence, hypothesis 3, was supported, that emotional exhaustion mediates the relationship between project role overload and project supervisor incivility.

TABLE 4.9: Moderation

Variables	β	SE	T	P	LL CI	95% UL CI
Constant	3.862	0.654	5.904	.000	2.574	5.149
Int_term	0.125	0.062	2.029	0.04	0.0038	0.2477

For moderation hypothesis was given. Hypothesis 4 states that time consciousness moderates the link between project role overload and emotional exhaustion such that project role overload will have stronger positive relationship with emotional exhaustion for project supervisors who are time conscious than those who are low time conscious. Table 4.9, results provides justification for hypothesis 4. The reason is interaction term of “project role overload and time consciousness” moderates on the relationship of “project role overload and emotional exhaustion” has the lower level and upper level confidence interval of 0.0038 and 0.2477 and both have the same sign and no zero is present. Similarly the interaction term indicated positive and significant regression coefficient ($B=0.125$, $p<.05$) means that time consciousness moderates the relationship of project role overload and emotional exhaustion such that project role overload have stronger positive relationship with emotional exhaustion for project supervisors who are time conscious than those who are low time conscious. Hence, we conclude that hypothesis 4 was supported for moderation.

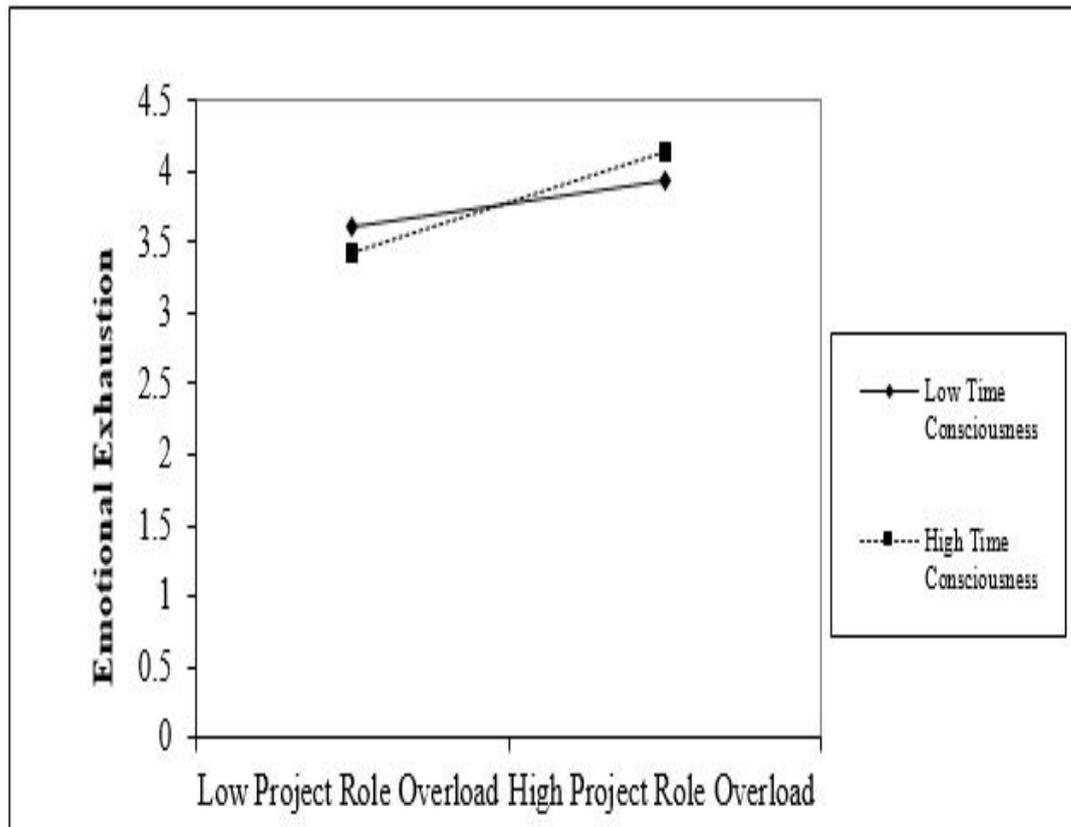


FIGURE 4.2: Interaction Graph

To give more evidence for moderating effect of time consciousness, simple slope for moderator was plotted as indicated in the figure 4.2. As shown in figure, the slope of the relationship between project role overload and supervisor emotional exhaustion was stronger for supervisors who are high time conscious. The figure depicted that when project role overload and time consciousness was high the supervisor will have high emotional exhaustion and vice versa.

TABLE 4.10: Moderated Mediation

Mediator	Time consciousness	Con-	Indirect effect	SE	Boot LL	Boot UL
Condition Indirect effects at M 1 SD						
Emotional ex- haustion	-1 SD		0.0682	0.037	-0.007	0.157
Emotional ex- haustion	M		0.1093	0.031	0.057	0.179
Emotional ex- haustion	+1 SD		0.1504	0.041	0.082	0.246

Hypothesis 5 states that supervisor time consciousness will moderate the indirect effect of project role overload on project supervisor incivility through supervisor emotional exhaustion; the mediated relationship will be stronger when time consciousness when time consciousness is high as opposed to low. Table 4.10 provides strong justification for proposed hypothesis. Time consciousness were investigated across three levels (at 1 SD above the mean, at the mean and -1 SD below the mean) to examine conditional indirect effects of project role overload on project supervisor incivility through supervisor emotional exhaustion. The results from conditional indirect effects depicted in table 4.10. As anticipated, the conditional indirect effects of project role overload on project supervisor incivility via supervisor emotional exhaustion becomes stronger at higher level (+1 SD) of time consciousness and both upper level and lower level confidence interval has the same sign and the indirect effect was significant (B= 0.1504). In addition, the conditional indirect effects of project role overload on project supervisor incivility through supervisor emotional exhaustion becomes weaker and insignificant at lower level (-1 SD) as indicated by lower and upper level confidence interval, both has different sign -.007 and .0157 respectively. As such, hypothesis 5 was fully supported.

4.7 Summary of Hypothesis

TABLE 4.11: Summary of Hypothesis

Table 4.11: Summary of Hypothesis		
Hypothesis	Statement	Result
H₁	Project role overload has positive and significant impact on project supervisor incivility	Supported
H₂	Emotional exhaustion has positive and significant impact on project supervisor incivility	Supported
H₃	Emotional exhaustion will mediate the relationship between project role overload and project supervisor incivility	Supported
H₄	Time consciousness will moderate the relationship between project role overload and emotional exhaustion such that it will stronger the relationship	Supported
H₅	Time consciousness will moderate the indirect effect of project role overload on project supervisor incivility through supervisor emotional exhaustion; the mediated relationship will be stronger when time consciousness when time consciousness is high as opposed to low	Supported

Chapter 5

Discussion and Conclusion

5.1 Discussion

Utilizing affective event theory ([Weiss and Cropanzano, 1996](#)), the objective of the present study was to propose and test a model of supervisor level antecedents of project supervisor incivility in project based organizations. For this purpose, data from project-based organizations in Pakistan was collected. As anticipated, the findings of the study were in congruous with hypothesized model. Particularly, the findings showed that project role overload and emotional exhaustion are the possible antecedents of project supervisor incivility. In this connection, the effect of project role overload on project supervisor incivility was triggered via supervisor emotional exhaustion. Moreover, the findings exhibited that time consciousness strengthened the relationship between project role overload and supervisor emotional exhaustion.

The details discussion of each hypothesis is following.

5.1.1 Question 1: Whether and How Project Role Overload Influence Project Supervisor Incivility?

To examine the answer of the first question that whether and how project role overload is related with project supervisor incivility hypothesis 1 was framed. Hypothesis 1 states that project role overload positively and significantly associated with project supervisor incivility. The results for this particular was found significant and hypothesis 1 was accepted as the findings suggests that project role overload was significantly linked with project supervisor incivility. Our findings are consistent with affective event theory. Similarly, previous studies have discerned that role overload linked with workplace mistreatment (Salin, 2003). Research on incivility propose that work overload is a factor that effects mistreatment (Pearson and Porath, 2005; Pearson et al., 2000). In addition, more specifically every projects has some constraints like time, cost and scope. The project supervisor has the responsibility to complete the project within these specified constraints. Sometimes the situations are not the same as expected, so the project deadlines are near and the work should be completed within the time, so there is an overload on the project supervisor to complete that project and ultimately that issue of role overload on project and the deadlines makes supervisor uncivil towards the subordinates. Harsh words, disrespectful and demeaning comments etc.

As (Roscigno et al., 2009) argued that chaotic and stressful environments lead to different kinds of workplace mistreatment. Furthermore, our findings are in congruous with the findings of (Taylor and Kluemper, 2012), that there is a relation between role stress and high amount of incivility in the individual. Similarly, researchers like (Maxwell et al., 2011) relate role overload with incivility. Therefore, these above arguments provides strong justifications for hypothesis 1 acceptance that project role overload is positively and significantly associated with project supervisor incivility. When there will be overload on supervisor during the project his or her behavior will be uncivil towards their subordinates.

5.1.2 Question 2: Whether and How Emotional Exhaustion Influence Project Supervisor Incivility?

To examine answers for question 2 that whether and how emotional exhaustion related to project supervisor incivility hypothesis 2 was framed. Hypothesis 2 states that emotional exhaustion positively and significantly linked with project supervisor incivility. The results for this hypothesis discern strong justifications. The findings are consistent with the research of (Thau and Mitchell, 2010), with exhausted supervisors being less prompt to utilize valuable resources to retain standardize behavior, they may be unwilling to endow effort to prevent hostile stimulus. Therefore, such supervisors may be likely to escort aggressive propensity, and therefore are possibly to behave abusively toward others in their social surroundings (Wheeler et al., 2013). Moreover, the link among supervisor emotional exhaustion and project supervisor incivility are not studied before. As mentioned earlier the supervisor responsibility is to complete the project within the specified time, budget and scope. Supervisors are bound with these constraints. As everything for the project is pre-planned and project supervisors, follow the devise plan involving each risk. Nevertheless, the situations change because no one can predict everything perfectly. Therefore, when unanticipated situations arise during the project the project supervisors become emotionally exhausted and it makes them uncivil towards their supervisors.

Moreover, consistent with affective event theory (Weiss and Cropanzano, 1996), emotional exhaustion to be propelling element of project supervisor incivility within the project. As exhausted supervisors are more vulnerable to engrossing in incivility as mean of coping with negative emotions and therefore dispose to act in such a manner that subordinates ascertain and discern as uncivil. Hence, the above arguments provides justification for hypothesis 2 acceptance that emotional exhaustion is the antecedent of project supervisor incivility. As when supervisor is emotionally exhaust and simultaneously working on a project his behavior will be uncivil.

5.1.3 Question 3: Whether and How Emotional Exhaustion will Mediate the Relationship Between Project Role Overload and Project Supervisor Incivility?

For investigating the answer for question 3, that whether and how emotional exhaustion will mediate the relationship between project role overload and project supervisor incivility hypothesis 3 was formulated. Hypothesis 3 states that emotional exhaustion will mediate the relationship between project role overload and project supervisor incivility. The results supported hypothesis 3 that emotional exhaustion mediates the relationship of project role overload and project supervisor incivility. The findings are consistent with affective event theory (Weiss and Cropanzano, 1996) that indirect effect of project role overload on project supervisor incivility happens via the emotional response of supervisor emotional exhaustion that evokes project supervisor incivility. Furthermore, (Jensen et al., 2013) argued that role overload triggers negative emotions that influence organizational outcomes. Moreover, (Alacacioglu et al., 2009) linked emotional exhaustion with several organizational outcomes like withdrawal behavior, absence of organizational commitment and turnover.

In project environment supervisor is an important person, probably represent organization culture, and exercise direct impact on subordinate behavior (Kozlowski and Doherty, 1989). As (Gardner et al., 2009) argued that supervisory positions intrinsically constitute considerable stressors and demands. The supervisory position on project is very demanding because at the same time supervisors are supposed to handle different activities. Completing the project within deadlines is on one side, supervise the subordinates, and communicate to top management and other stakeholders on the other side. We argue that these responsibilities which goes simultaneously puts a lot of burden on the supervisors during the project and it depletes the physical and emotional energy of the supervisors which ultimately makes them uncivil towards subordinates. Similarly, it is also argued, that role overload is a nagging event that engross resources, as these resources are fixed and supervisors are unable to cope with limited resources during this kind of events

on projects, which makes them to experience negative emotions, and eventually it makes their behavior uncivil. Therefore, the above arguments provide justification for mediation hypothesis acceptance that emotional exhaustion mediate the relationship between project role overload and project supervisor incivility. As when there will be project role overload supervisor will get emotionally exhaust and ultimately supervisor behavior will show incivility towards subordinates.

5.1.4 Question 4: Whether and How Time Consciousness Moderates the Relationship Between Project Role Overload and Emotional Exhaustion?

For inspecting answer for question 4, hypothesis 4 formulated based on literature. Hypothesis 4 states that time consciousness moderates the relationship between project role overload and emotional exhaustion; such that project role overload will have stronger positive relationship with emotional exhaustion for project supervisors who are highly time conscious than those who are low time conscious.

According to the results of the study, time consciousness moderates the relationship between project role overload and emotional exhaustion such that project role overload will have stronger positive relationship for project supervisors who are highly time conscious than those who are low time conscious. The findings are in congruous with the research of (Waller, 1999), that highly time aware individual lessen multitasking behavior. Similarly (Landy et al., 1991) argued that people most anxious about passing of time suffer the most when time demands are high. This advocates that individuals who are impatient and highly aware about leisure time may completely vulnerable to stress/strain reaction under situations of role overload. We argue that supervisors who are time conscious will be unable to complete different tasks in such work events like project role overload because time consciousness influence their multitasking behavior and ultimately supervisors will get emotionally exhausted.

In addition, we argue that the most important thing in stressful situation is the emotional stability of a project supervisor. As (Costa Jr and McCrae, 1992) linked

emotional stability with stress tolerance and positive influence. Similarly, (Judge, 1997) argued that emotionally stable individuals are susceptible to be confident, positive and have effective social skills. They are more possibly to encounter positive emotions and respond with peace to stressful events. Moreover, (Alessandri et al., 2018) stated that individuals with less emotional stability are more prone to stress. Therefore, based on this we argue that certain individuals are less emotionally stable so when they encounter stressful events in projects the time consciousness to manage time carefully becomes tension for those individuals and ultimately they experience emotional exhaustion as indicated by the results that time consciousness strengthen the relationship of project role overload and supervisor emotional exhaustion. Hence, the above arguments shows that hypothesis 4 was accepted.

Furthermore, the findings delineated that personality of supervisor together moderated conditionally the indirect influence of project role overload and project supervisor incivility through abusive supervision. As expected, the anticipated link was stronger when time consciousness was high. These findings provides justification for hypothesis 5 acceptance that there is moderated mediation.

5.2 Theoretical Implications

The current study findings advance the literature of project supervisor incivility in various ways. As previously demonstrated, that majority of the research on supervisor incivility concentrated on the consequences of these uncivil behaviors. Only currently, research on supervisor incivility started to evaluate the equation another side and inspect the origin of such incivility. Regardless of some advancement, literature on antecedents of project supervisor incivility still deprived of a vigorous theoretical framework that answer and addresses the question of what primarily triggers subordinates perception of project supervisor incivility. Consequently, we tried to advance the research on project supervisor incivility by exploring distal (role overload) and proximal (emotional exhaustion) antecedents, and accordingly, demarcate that how certain emotions and affective event may

steer to the perceptions of project supervisor incivility and more particularly in project environment.

The second contribution is the investigation of project supervisor incivility via theoretical optic of affective event theory ([Weiss and Cropanzano, 1996](#)). Put in affective event theory to the research on project supervisor incivility, our model notably demonstrate the process by which work events likely to instigate project supervisor incivility by accenting the emotions role in the process. Our findings were persistent with hypothesized model that supervisors who encounter role overload disposed to undergo swelled emotional exhaustion, which eventually induce behaviors towards subordinates who perceived them as uncivil. Furthermore to being one of the first studies to instituted affective event theory to the research on project supervisor incivility in project environment, this research tried to expand AET by more particularly examining negative emotions, in our case measuring supervisor emotional exhaustion; investigating behavioral outcome such as project supervisor incivility; and incorporating distinguish situational antecedents such as project role overload.

The present study also contributes to the literature by investigating supervisor level moderators as antecedents of project supervisor incivility. Particularly, we contend and constitute support for opinion that personality of supervisor effects process at various nib along the mediational path from role overload to project supervisor incivility. In line with current reflections concerning AET process ([Weiss and Beal, 2005](#)), the study findings exhibited that intensity of emotional exhaustion that emanated from project role overload was effected by supervisor level of time consciousness. In addition, the indirect effect of project role overload on project supervisor incivility through emotional exhaustion was stronger on high level of time consciousness. Particularly this contribution marked to AET and expand the framework by investigating, that whether personality effect the process between events, emotions and behaviors.

Beyond theoretical advancements to research of project supervisor incivility, present study also expands the emotions literature by asserting that certain work situation behave as negative affective events (i.e. project role overload) and these

events probably trigger negative emotions (i.e. emotional exhaustion) which eventually instigate negative behavioral reactions (i.e. incivility). Though previous research has found proof that negative events contribute to counterproductive behaviors and aggression but the direct association that links events and emotions to project supervisor incivility is still inadequate. Therefore, the present study delineates theoretical contribution to the emotions research by manifesting support for hypothesized associations.

5.3 Practical Implications

It is accepted generally that workplace incivility is harmful and more specifically supervisor incivility is harmful than any other incivility (Schilpzand et al., 2016) and it cost the organization up to greater extent. As project environment is dynamic and changes instantly, and every project have certain constraints and within those constraints the project must be complete and it is the sole responsibility of a project supervisor to meet the objectives of the project. Accordingly, it is indispensable for project-based organizations to apprehend what induce project supervisors to act in such a manner, which steer subordinates to discern such uncivil behaviors. While supervisor incivility may be induced by various elements, the present study findings gives supplementary comprehension by discerning project role overload and emotional exhaustion as potential determinant of instigating project supervisor incivility. In this connection, project based organizations must cautiously notice the allocated workload provided to supervisors as well as carefully observe the subsequent surfacing of negative emotional reactions.

To lessen the probability that supervisors apprehend that they are getting imprudent beyond a normal swell in workload that the entire organization is encountering. It is essential that top management of the organization is unequivocal and explicitly communicates how the allotment of work took place and how that process involves deliberate efforts to make sure that each one is served equally. If supervisors apprehend the fact that they are not alone encountering role overload, they will be less probably mesh with colleagues. While certain emotions and

events are unavoidable, project based organizations and decision makers should also take advantage of administering of employee assistant programs that could help employees to compellingly handle challenging situations at workplace. Moreover, project based organizations should offer training programs to supervisors that gives on successfully administering unpropitious work experiences in order to circumvent the possible outcomes such as project supervisor incivility that may eventually the aftermath in reaction particular work situation delineated in the findings.

Furthermore, the findings of present study propose that project based organizations may utilize utility from recruiting low time conscious individuals. For example, as disclosed by the findings supervisors with such personality effectively handle negative emotions and work events. Individuals with low time consciousness can better cater their emotions to certain events and avoid acting in such a manner that could be perceived uncivil by subordinates.

5.4 Limitations of the Research

There is nothing in the world that are perfect everything has some kind of discrepancies. Our research has also some limitations, which we face while conducting this particular research. Like, as the current study foundation was established on affective event theory, which bestow support for the series of links represented in the study (project role overload to supervisor emotional exhaustion to project supervisor incivility). Although, this does not banish the reality that there are some substitute explanations to the links theorized. Secondly, the data collection for the current study is cross sectional due to time and resources limitations, as this does not permit for making deduction regarding causality between variables study as shown in hypothesized model. Similarly, the current research takes only project based organizations into consideration the limitation is the generalizability of the study. Third, as some leadership research explore leadership on group level rather than individual level, the subordinate-supervisor dyad utilized in the current research may serve as limitation. Another limitation of the current study

is that it missed three way interaction as the result shows that time consciousness strengthen the relationship of project role overload and supervisor emotional exhaustion. As the current study, did not condition time consciousness with another moderator, which is a three-way interaction effect? Therefore, for future research the recommendation is to condition the effect of time consciousness with another moderator that is emotional stability to investigate this relationship.

5.5 Future Research Direction

There are always some space in everything, which gives future directions. There are some suggestions regarding current research on which research should be conducted in future. First as already mentioned that the current research foundation is AET. Surely, other theories may give substitute explanation to the links theorized. Future research would also get advantage from delineation of other well-documented and credible theories in order to pledge further support to hypothesized model or unearth substitute mechanisms or explanation for apprehending the links between variables exhibited in the current study. Two theories would involve Transactional stress model ([Lazarus and Folkman, 1984](#)) and conservation of resource theory ([Hobfoll, 1989](#)). Transactional stress model postulates workplace demands that transcend personal resources of an individual are possibly bestow to stress and to successive negative behavioral aftermath. Correspondingly, conservation of resource theory advocates that challenging situations are possibly to absorb personal resources emanating in stress as well as negative attitudinal or behavioral reactions to stress.

Secondly, the current study utilized cross sectional method for data collection, future research should utilize different research designs like longitudinal designs that could bestow predictive validity to the present study ([Shadish et al., 2002](#)).

Thirdly, as the subordinate-supervisor dyad studies in this study is on individual level. According to ([Mawritz et al., 2014](#)) “employees working in the same group are likely to be influenced by similar leadership behaviors, suggesting that leadership behaviors operate at the group level”. Therefore, future research on

leadership, involving research on project supervisor incivility should investigate these links at group level for the generalizability across different level.

Furthermore, the current study explains the conviction that project role overload and supervisor emotional exhaustion may serve as likely the antecedents of project supervisor incivility. Future research should take the advantage of additional supervisor level antecedent by examining other affective events like autonomy, project role conflict and project role ambiguity and other negative emotions such as frustration could likely instigate project supervisor incivility in project environment.

One of the area that future research may enlarging the domain of moderators that influence the hypothesized model of project supervisor incivility in the current study. Particularly, situational variables has three classifications, which influence the hypothesized links. Aspects of subordinate's personality; aspects of supervisor personality; aspects of organizational context such as prevailing culture in organization. The present study bestow initial investigation of project supervisor personality. To our limited knowledge, no study has examined subordinate personality and organizational context as moderators. We anticipate that contextual variables that link to resources may be specifically favorable in order to advance this field. Variables like flexible work schedules, top management support, current technology or equipment and company-sponsored training may likely influence the prospect that project role overload would lead to supervisor emotional exhaustion and eventually behavioral reactions that are deleterious to subordinates and entire organization.

5.6 Conclusion

Due to its universal nature and costly impact of supervisor incivility on individuals and entire organization, it is essential for the researchers to start research in order to completely examine and apprehend the causes that makes supervisor to delineate incivility. The present research accords to emerging body of research investigating antecedents of project supervisor incivility by suggesting and testing

moderated-mediation model based on affective event theory AET in the project based organizations of Pakistan. Questionnaire survey was adopted to see that whether project role overload and emotional exhaustion are the possible causes and antecedents of project supervisor incivility. Approximately 400 questionnaires were distributed in the project-based organizations of Pakistan, out of which 296 questionnaires were utilized for the data analysis. Results of statistical analysis shows that reliability and validity of the model is suitable as well as the model is fit. Furthermore, the result of the study indicated that project role overload and emotional exhaustion is positively related to project supervisor incivility. Moreover, the mediating role of emotional exhaustion, the results delineated that emotional exhaustion mediates the relationship between project role overload and project supervisor incivility. In addition, the role of time consciousness as a moderator is also tested. The results exhibited that time consciousness moderates the relationship such that it strengthen the relationship of project role overload and project supervisor incivility.

We are helpful that the present examination of processes highlighting project supervisor incivility will increase further postulating and testing in this particular field. It is effortless to steer an individual, who is satisfied; it is difficult to escort individual, who is emotionally exhausted. The more comprehension we get concerning what takes project supervisors to behave uncivil, what are the possible ways to eliminate, the more effective and efficient organizations will be.

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Appendix-A

CAPITAL UNIVERSITY OF SCIENCE AND TECHNOLOGY ISLAMABAD

Department of Management Sciences

Questionnaire

Dear respondent,

I hope you will be doing well. I am the student of MS Project Management at Capital University of science and technology Islamabad. I am conducting a research on a topic titled “Project Role Overload and Emotional Exhaustion as Antecedents of Project Supervisor Incivility: The Moderating role of Time Consciousness”. You can help me by completing the attached questionnaire; it will take only 10-15 minutes and I am sure that you will find it quite interesting. I appreciate your participation in my study and I assure you that your responses will be held confidential and will only be use for education purposes.

Sincerely,

Muhammad Rafique

MS Scholar

Capital University of Science and Technology, Islamabad

Section: 1	Demographics
Gender:	1- Male 2- Female
Age:	1 (18-25), 2 (26-33), 3 (34-41), 4 (42-49) 5 (50 and above)
Qualification:	1 (Matric), 2 (Inter), 3 (Bachelor), 4 (Master), 5 (MS/M.Phil), 6 (PhD)
Experience:	1(5-10), 2(11-16), 3(17-22), 4(23-28), 5(29-34), 6(35 and above)

Strongly disagree: 1, Disagree: 2, Neutral: 3, Agree: 4, Strongly agree: 5

Section: 2 Project role Overload

1	The amount of work I am expected to do is too great in the project,	1	2	3	4	5
2	I never seem to have enough time to get everything done in the project	1	2	3	4	5
3	It often seems like I have too much work for one person to do in the project	1	2	3	4	5

Section: 3 Time Consciousness

1	I rarely think about how I'm using my time too great in the project,	1	2	3	4	5
2	I prefer to do things when I'm ready, not at set deadlines	1	2	3	4	5
3	I prefer not thinking about how I use my time	1	2	3	4	5
4	I prefer not to be late for appointments too great in the project,	1	2	3	4	5
5	I like to make-to-do lists to help sequence my activities	1	2	3	4	5
6	I usually have a time schedule for everything	1	2	3	4	5
7	I prefer to be able to plan in advance what tasks I need to do	1	2	3	4	5

8	I often combine tasks to optimally use my time	1	2	3	4	5
9	I usually feel pressed for time	1	2	3	4	5

Section: 4 Emotional Exhaustion

1	I feel emotionally drained from my work	1	2	3	4	5
2	I feel used up at the end of the workday	1	2	3	4	5
3	I feel fatigued when I get up in the morning and have to face another day on the job	1	2	3	4	5
4	Working with people all day is really a strain for me	1	2	3	4	5
5	I feel burned out from my work	1	2	3	4	5
6	I feel frustrated by my job	1	2	3	4	5
7	I feel I'm working too hard on my job	1	2	3	4	5
8	Working with people directly puts too much stress on me	1	2	3	4	5
9	I feel like I'm at the end of my rope	1	2	3	4	5

**CAPITAL UNIVERSITY OF SCIENCE AND TECHNOLOGY
ISLAMABAD**

Department of Management Sciences

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Please rate the following statements

The following items concern the supervisor you observed. Please indicate the extent for the following statements.

1= Never, 2= Sometimes, 3= Often, 4= Very Often, 5= Most of the time

Section: 5 Project Supervisor Incivility

In the project, have you been in a situation where your supervisor

1	Put you down or was condescending to you?	1	2	3	4	5
2	Paid little attention to your statement or showed little interest in your opinion?	1	2	3	4	5
3	Made demeaning or derogatory remarks about you?	1	2	3	4	5
4	Addressed you in unprofessional terms, either publicly or privately?	1	2	3	4	5
5	Ignored or excluded you from professional camaraderie?	1	2	3	4	5
6	Doubted your judgement on a matter over which you have responsibility?	1	2	3	4	5
7	Made unwanted attempts to draw you into a discussion of personal matters?	1	2	3	4	5