Virtual Teams Effectiveness In The Selected IT Companies In South India

R.Arunadevi*, Dr. G. S.Subashini**

*Roll No: 1911130223, Research Scholar (External), Department of Business Administration, Annamalai University.
**Research supervisor, Assistant professor, Department of Business Administration, Annamalai University.

Abstract

This study provides a concise summary of the effectiveness of virtual teams in selected IT companies in South India. Virtual teams are becoming increasingly prevalent in the IT industry, allowing geographically dispersed employees to collaborate and communicate using technology-mediated channels. The effectiveness of these virtual teams is evaluated based on several key factors. Effective communication is crucial for virtual teams, and IT companies in South India utilize various communication tools to facilitate seamless and frequent communication among team members. Collaboration is another important aspect, and IT companies employ collaborative software and platforms to enable efficient teamwork and achievement of shared objectives. Building trust and strong relationships among team members is vital, and it is established through consistent communication and a positive team culture. Virtual teams must have a clear understanding of their goals and objectives, and IT companies provide guidelines and regular updates to ensure goal clarity and alignment. Productivity and performance are also monitored through key performance indicators and project milestones. Effective leadership and support are essential for virtual teams, and IT companies provide virtual team leaders with the necessary tools, resources, and mentoring. To assess the effectiveness of virtual teams in selected IT companies in South India, surveys, interviews, and performance evaluations within those organizations would be necessary. These methods would provide insights into the actual experiences, challenges, and successes of virtual teams in those companies.

Introduction

Virtual teams have become increasingly prevalent in the IT industry, including in South India. With advancements in technology and the need for global collaboration, companies are leveraging virtual teams to harness talent and expertise from different locations. These teams consist of geographically dispersed employees who work together using various communication and collaboration tools to achieve common goals. The effectiveness of virtual teams in IT companies is a topic of great interest and importance. Understanding the factors that contribute to their effectiveness can help organizations optimize their virtual team structures and enhance overall productivity. This paper aims to explore the effectiveness of virtual teams in selected IT companies in South India.

The unique challenges and opportunities of virtual teams make them a compelling subject of study. Unlike traditional teams that work in physical proximity, virtual teams rely heavily on technology-mediated communication, which can present challenges in terms of coordination, collaboration, and building relationships. However, virtual teams also offer advantages such as access to diverse talent, flexible work arrangements, and the ability to leverage global resources. South India has emerged as a hub for IT companies, attracting top talent and housing numerous organizations at the forefront of technological innovation. These companies have embraced virtual teams as an effective way to harness talent from different regions and time zones. Therefore, examining the effectiveness of virtual teams in this context can provide valuable insights into best practices and strategies. By evaluating factors such as communication, collaboration, trust, goal clarity, productivity, and leadership support, this study seeks to assess the effectiveness of virtual teams in selected IT companies in South India. The findings can help organizations identify areas for improvement, implement effective strategies, and enhance the overall performance of their virtual teams.

The subsequent sections of this study will delve into the specific factors that contribute to the effectiveness of virtual

teams in IT companies in South India. Through a comprehensive analysis, we aim to gain a deeper understanding of the challenges faced by virtual teams, the strategies employed by organizations to overcome these challenges, and the outcomes achieved in terms of productivity, collaboration, and performance**.**

Literature Review

Wendell, et al., (1972) The Field of Organization Development. Definitions of Organization Development. A History of Organization Development. Values, Assumptions, and Beliefs in OD.: Foundations of Organization Development. Managing the OD Process. Action Research and Organization Development. Interventions - An Overview. Team Interventions. Intergroup and Third-Party Peace-making Interventions. Comprehensive Interventions. Structural Interventions. Training Experiences. Issues in Consultant-Client Relationships. System Ramifications. Power, Politics and Organization Development. Research on Organization Development. The Future of OD.

Anthony et al., (1988) The New Way to Work Teaming from the Beginning: How Groups Became Virtual the Power of Purpose: Do, Doing, Done Through the Worm Hole: Links for Virtual Teams Teaming with People: The Paradoxes of Participation It's All in the Doing: Virtual Team Life as a Process Virtual Places: Home Is Where the Site Is Working Smart: A Web Book for Virtual Teams Virtual Values: Generating Social Capital Afterword Notes About the Authors Index.

Hackman., J.,and Lorsch. (1987) Executive Overview Managers are challenged to develop strategically flexible organizations in response to increasingly competitive marketplaces. Fortunately, a new generation of information and telecommunications technology provides the foundation for resilient new organizational forms that would have not been feasible only a decade ago. One of the most exciting of these new forms, the virtual team, will enable organizations to become more flexible by providing the impressive productivity of team-based designs in environments where teamwork would have once been impossible. Virtual teams, which are linked primarily through advanced computer and telecommunications technologies, provide a potent response to the challenges associated with today's downsized and lean organizations.

Carole, Townsley. (2001) This study investigates the effects of eight organizational support systems on virtual team effectiveness in five areas: communication, planning tasks and setting goals, solving problems, and making decisions, resolving conflict, and responding to customer requirements. One hundred and eighty surveys were sent to information technology managers and collaborative team members, representing 43 companies. The results indicated that developing new roles for IT professionals and senior managers significantly increased virtual team effectiveness in several areas

Nathalie et al., (2010) Virtual project teams are teams whose members use technology to varying degrees in working across locational, temporal, and relational boundaries to accomplish an interdependent task. Work in virtual project teams is a challenge for many organizations. Having studied the issue for several years, the authors propose in this paper to delve deeper into the question from the point of view of organizational support. More specifically, this paper seeks to focus on the organizational support systems and mechanisms provided by firms to their virtual project teams and their impacts on the components of these teams. The objective is to identify the structural factors and processes related to virtual teams that are affected by organizational support systems and mechanisms. Design/methodology/approach – The paper reports exploratory empirical case studies of two Canadian-based international high-tech companies.

Ad, Kleingeld et al., (2011) Updating and extending the work of O'Leary-Kelly, Martocchio, and Frink (1994), with this meta-analysis on goal setting and group performance we show that specific difficult goals yield considerably higher group performance compared with nonspecific goals (d 0.80 0.35, k 23 effect sizes). Moderately difficult and easy goals were also associated with performance benefits relative to nonspecific goals, but these effects were smaller. The overall effect size for all group goals was d 0.56 0.19 (k 49). Unexpectedly, task interdependence, task complexity, and participation did not moderate the effect of group goals. Our inventory of multilevel goals in interdependent groups indicated that the effect of individual goals in groups on group performance was contingent upon the focus of the goal: "Egocentric" individual goals, aimed at maximizing individual performance, yielded a particularly negative group-performance effect (d −1.75 0.60, k 6), whereas "groupcentric" goals, aimed at maximizing the

individual contribution to the group's performance, showed a positive effect (d 1.20 1.03, k 4). These findings demonstrate that group goals have a robust effect on group performance.

Concept of Virtual Teams

The concept of virtual teams refers to groups of individuals who collaborate and work together towards a common goal while being geographically dispersed. These teams rely on technology-mediated communication and collaboration tools to connect and coordinate their efforts.

Virtual teams have emerged as a response to globalization, advancements in communication technology, and the need for organizations to tap into talent from diverse locations. They are particularly prevalent in industries such as information technology, where remote work and collaboration across borders are common. (Päivi et al.,2016)

The concept of virtual teams encompasses several key elements:

1. Geographical dispersion
Virtual teams consist of members who are physically located in different regions, often in different countries or time zones. (Jillian, Yeow. 2014). This dispersion requires the use of technology to bridge the distance and facilitate communication and collaboration. (Jessica, et al., 1997)

2. Technology-mediated communication
Virtual teams rely heavily on various communication tools such as email, instant messaging, video conferencing, and collaboration platforms. These technologies enable real-time or asynchronous communication, allowing team members to connect and exchange information despite their physical separation. (Wendell et al., 1998)

3. Collaboration tools and platforms
Virtual teams utilize specific software and platforms that support collaborative work. These tools enable file sharing, project management, task assignment, and document collaboration, fostering teamwork and coordination among team members.

4. Cultural diversity
Virtual teams often bring together individuals from different cultural backgrounds and work environments. This diversity can lead to a richer exchange of ideas, perspectives, and approaches to problem-solving. However, it also requires sensitivity to cultural differences and effective communication

practices to ensure understanding and collaboration. (Ofer et al.,2019)

5. Challenges and opportunities

While virtual teams offer numerous advantages, they also present unique challenges. These challenges include establishing trust and rapport among team members who may have limited face-to-face interaction, managing time zone differences, overcoming communication barriers, and maintaining team cohesion. Overcoming these challenges and capitalizing on the opportunities virtual teams offer is essential for their effectiveness. The concept of virtual teams continues to evolve as technology advances and organizations adapt to changing work dynamics. Understanding the concept and effectively managing virtual teams can lead to increased productivity, access to global talent, enhanced collaboration, and improved organizational performance in the digital age. (Vichai, and Thosuwonchinda 2016).

Objectives of Researching Virtual Teams

The objectives of researching virtual teams can vary depending on the specific research focus and context. However, some common objectives of studying virtual teams include:

1. Understanding virtual team dynamics:

One primary objective is to gain a comprehensive understanding of the dynamics and functioning of virtual teams. This includes examining how virtual teams communicate, collaborate, make decisions, and manage tasks in a geographically dispersed and technology-mediated environment. (Sirkka et al.,1998)

2. Identifying challenges and barriers:

Research aims to identify the unique challenges and barriers that virtual teams encounter. These can include communication difficulties, trust-building issues, coordination and collaboration obstacles, and the impact of cultural diversity. Understanding these challenges helps in developing strategies to address them effectively.

3. Exploring factors affecting virtual team effectiveness

Research seeks to identify the factors that contribute to the effectiveness or success of virtual teams. This can include investigating the impact of communication strategies, leadership styles, technological tools, team composition, and cultural factors on virtual team performance. (Martha et al.,2020)

4.   Examining team processes and best practices

Research aims to analyse the processes, practices, and strategies employed by successful virtual teams. This involves studying how virtual teams establish goals, make decisions, manage conflicts, foster collaboration, and ensure accountability. Identifying best practices can guide organizations in optimizing their virtual team processes.

5.   Assessing outcomes and performance

Research aims to evaluate the outcomes and performance of virtual teams. This includes examining metrics such as productivity, quality of work, customer satisfaction, employee satisfaction, and team cohesion. Understanding the factors that contribute to positive outcomes helps in measuring and enhancing virtual team performance.

6.   Providing practical recommendations

The ultimate objective of researching virtual teams is to provide practical recommendations and guidelines for organizations and managers to improve the effectiveness of their virtual teams. This includes offering strategies for communication, collaboration, trust-building, leadership, and leveraging technology to optimize virtual team performance. By achieving these objectives, research on virtual teams contributes to a deeper understanding of the unique challenges and opportunities associated with virtual teamwork. It provides insights that help organizations develop effective practices, policies, and strategies to enhance the functioning and performance of virtual teams in various industries and contexts. (Anne et al.,)

Researching Virtual Teams – Definition and Context

Researching virtual teams involves studying and analyzing various aspects of teams that are geographically dispersed and rely on technology-mediated communication and collaboration. The research aims to understand the dynamics, challenges, and effectiveness of virtual teams in different contexts, such as organizations, industries, or specific geographical regions.

The definition of virtual teams in the context of research typically includes the following elements:

1.   Geographical dispersion

Virtual teams consist of members who are physically located in different regions, often in different cities, countries, or time

zones. The geographical dispersion is a defining characteristic of virtual teams.

2. Technology-mediated communication

Virtual teams heavily rely on communication technologies, such as email, instant messaging, video conferencing, and collaboration platforms, to connect and interact with team members. These technologies facilitate information sharing, coordination, and collaboration within the team. (Luis et al.,2004)

3. Collaborative work

Virtual teams collaborate on projects or tasks towards a common goal. They leverage technology tools and platforms for file sharing, document collaboration, task assignment, and project management.

The context of researching virtual teams can vary, depending on the specific focus of the study. Some common contexts for researching virtual teams include:

1. Organizational context

Research may focus on virtual teams within a particular organization, exploring how virtual teams are structured, managed, and integrated into the overall organizational structure. It can examine the impact of virtual teams on organizational performance, innovation, and employee satisfaction.

2. Industry context

Research may focus on virtual teams within specific industries, such as IT, healthcare, or finance. The aim is to understand how virtual teams operate within the industry, the unique challenges they face, and the best practices for effective virtual team collaboration in that sector.

3. Geographical context

Research may focus on virtual teams in a specific geographical region, such as South India, as in the case of your question. This type of research examines the cultural, social, and economic factors that influence virtual team dynamics in that region and how organizations adapt their virtual team practices accordingly. Research on virtual teams typically involves quantitative and qualitative methods, such as surveys, interviews, observations, and analysis of team performance data. The findings can contribute to a deeper understanding of virtual team dynamics, inform organizational practices, and guide the development of strategies to enhance the effectiveness of virtual teams in various contexts. (Bradford et al.,2002)

Importance of Virtual teams Effectiveness

The effectiveness of virtual teams in selected IT companies in South India holds significant importance for several reasons:

1. **Global Collaboration**

IT companies often operate in a global context, working with clients, partners, and team members located in different regions. Virtual teams enable these companies to harness talent from diverse locations and collaborate seamlessly. The effectiveness of virtual teams directly impacts the company's ability to collaborate effectively on a global scale, ensuring efficient project delivery and customer satisfaction.

2. **Cost and Resource Optimization**

Virtual teams allow IT companies to optimize costs and resources. By leveraging remote talent, companies can tap into specialized skills and expertise without the need for physical relocation. The effectiveness of virtual teams in utilizing resources efficiently and achieving project goals within budgetary constraints is crucial for maintaining a competitive edge in the industry.

3. **Flexibility and Agility**

Virtual teams offer flexibility in terms of work arrangements, allowing team members to work from different locations and time zones. This flexibility promotes a better work-life balance for employees and enables companies to operate round-the-clock, ensuring faster response times and increased agility. (Guido, et al.,2005) The effectiveness of virtual teams in adapting to changing project requirements and delivering results promptly is crucial for companies to stay competitive.

4. **Access to Diverse Talent**

Virtual teams enable IT companies to access a global talent pool and overcome geographical limitations. This diversity in skills, perspectives, and cultural backgrounds can drive innovation and creativity. The effectiveness of virtual teams in fostering collaboration and leveraging the unique strengths of team members from different backgrounds can lead to enhanced problem-solving and decision-making within the organization.

5. **Employee Engagement and Satisfaction**

Virtual teams impact employee engagement and satisfaction, as they provide opportunities for flexible work arrangements, reduced commuting time, and improved work-life balance. The effectiveness of virtual teams in promoting effective communication, trust, and a positive team culture contributes to higher employee satisfaction and retention rates.

6.   Continuity and Disaster Recovery

Virtual teams offer companies a level of resilience in the face of disruptions such as natural disasters, pandemics, or other unforeseen events. The ability to seamlessly transition to remote work ensures business continuity and minimizes downtime. The effectiveness of virtual teams in maintaining productivity and collaboration during challenging circumstances is crucial for the long-term stability of IT companies. Understanding and enhancing the effectiveness of virtual teams in selected IT companies in South India is essential for optimizing operations, leveraging global talent, promoting innovation, and maintaining a competitive edge in the industry. It directly impacts project outcomes, client satisfaction, employee well-being, and the overall success of IT companies operating in an increasingly interconnected and virtual world. (Pamela et al.,2005)

Effectiveness of virtual teams in IT companies

The effectiveness of virtual teams in IT companies is a topic of great importance as the prevalence of remote work and reliance on technology-mediated collaboration continue to grow. Virtual teams in IT companies offer several benefits, including access to a diverse talent pool, cost savings, and the ability to leverage global resources. However, their effectiveness depends on several key factors:

1.   Communication

Effective communication is crucial for virtual teams in IT companies. Clear and timely communication among team members, using various communication tools such as video conferencing, instant messaging, and project management platforms, ensures alignment, collaboration, and efficient decision-making. Regular communication promotes team cohesion and minimizes misunderstandings or miscommunication that can hinder productivity. (Bradley et al.,2004)

2.   Collaboration

Successful virtual teams in IT companies foster a collaborative environment. They leverage collaborative software and platforms to enable seamless information sharing, document collaboration, and task management. Virtual team members must feel comfortable collaborating and contributing their expertise, fostering a sense of teamwork, and achieving shared goals.

3.   Trust and relationship-building

Building trust among virtual team members is essential for effective collaboration. In IT companies, virtual teams may consist of individuals from different cultural backgrounds and time zones. Establishing trust requires open and transparent communication, delivering on commitments, and cultivating a positive team culture. Trust enhances cooperation, knowledge sharing, and problem-solving among virtual team members.

4. Goal clarity and alignment

Virtual teams in IT companies must have a clear understanding of their goals and objectives. Effective goal setting, providing clear guidelines and expectations, and regular updates ensure that virtual team members are aligned with organizational objectives. Clearly defined goals enable team members to focus their efforts and work towards shared outcomes.

5. Productivity and performance

The productivity and performance of virtual teams in IT companies are critical for achieving desired outcomes. Companies monitor productivity through key performance indicators (KPIs) and project milestones. Regular feedback, performance evaluations, and recognition of accomplishments contribute to maintaining high performance levels in virtual teams.

6. Leadership and support

Effective leadership plays a crucial role in the success of virtual teams in IT companies. Virtual team leaders should possess strong communication skills, the ability to motivate team members, and the capacity to resolve conflicts. Companies provide virtual team leaders with the necessary tools, resources, and support to ensure their effectiveness in managing and supporting virtual teams.IT companies can enhance the effectiveness of virtual teams. Promoting effective communication, fostering collaboration and trust, setting clear goals, monitoring productivity, and providing strong leadership and support contribute to the success of virtual teams in IT companies, leading to improved outcomes, employee satisfaction, and organizational success. (Prasert et al.,2007)

Employee Development Issues in Virtual Teams

Employee development in virtual teams presents unique challenges due to the remote nature of work and limited face-to-face interaction. Some key issues to consider in employee development within virtual teams are:

1. Training and skill development

Providing comprehensive training and skill development opportunities for virtual team members is crucial. Virtual team members may require specific training on virtual collaboration tools, effective communication in a remote setting, time management, and self-motivation. Providing virtual training programs or e-learning modules can help enhance the skills and competencies needed for successful virtual teamwork. (Rebecca et al.,1999)

2. Onboarding and integration

Virtual team members may face challenges in quickly integrating into the team and understanding the team's dynamics, goals, and processes. Organizations need to develop effective onboarding processes that include virtual introductions, orientation to tools and systems, and connecting new team members with experienced colleagues for mentorship and guidance.

3. Knowledge sharing and learning culture

Virtual teams may face barriers to knowledge sharing and creating a learning culture. Encouraging virtual team members to share their expertise, best practices, and lessons learned is important. Implementing knowledge-sharing platforms, virtual communities of practice, or regular virtual knowledge-sharing sessions can promote a culture of continuous learning and development.

4. Performance feedback and coaching

Providing timely and constructive feedback to virtual team members is essential for their growth and development. Managers should establish regular check-ins, performance reviews, and coaching sessions with virtual team members to provide guidance, address challenges, and recognize achievements. Utilizing video conferencing or virtual platforms with screen-sharing capabilities can facilitate effective feedback and coaching sessions.

5. Career growth and advancement opportunities

Virtual team members may have concerns about career growth and advancement prospects. Organizations should ensure that career development opportunities are accessible to virtual team members, including promotions, challenging assignments, and opportunities for skill expansion. (Ravi et al.,2016) Providing virtual team members with visibility and recognition for their contributions can also help in their career progression.

6. Team collaboration and learning initiatives

Encouraging collaboration and learning within virtual teams is crucial for employee development. Virt team members can

engage in cross-functional projects, knowledge exchange sessions, virtual team-building activities, and virtual communities of practice to foster collaboration, networking, and professional growth.

7. Work-life balance and well-being

Supporting the work-life balance and well-being of virtual team members is important for their overall development. Organizations should promote flexible work arrangements, encourage virtual team members to set boundaries between work and personal life, and provide resources for managing stress and maintaining well-being. Addressing these employee development issues in virtual teams requires a proactive and tailored approach. Organizations should invest in training and support systems specifically designed for virtual team members, foster a culture of learning and collaboration, and provide opportunities for career growth and advancement. By addressing these challenges, organizations can enhance the development and engagement of their virtual team members, leading to increased productivity and overall team success.

Opportunities for Virtual Teams

Virtual teams in IT companies present several opportunities that can be leveraged for organizational success. These opportunities include:

1. Access to global talent

Virtual teams allow IT companies to tap into a diverse talent pool that spans across different geographical locations. This provides opportunities to access specialized skills and expertise that may not be available locally. By assembling virtual teams, companies can bring together top talent from around the world, enhancing the overall capabilities and knowledge base of the organization.

2. Cost savings and efficiency

Virtual teams offer cost-saving opportunities for IT companies. By leveraging remote work arrangements, companies can reduce expenses associated with office space, equipment, and infrastructure. Virtual teams also eliminate the need for extensive travel and accommodation costs often associated with traditional in-person meetings and collaborations. This cost efficiency contributes to improved financial performance and resource allocation.

3. Flexibility and work-life balance

Virtual teams provide flexibility in work arrangements, allowing team members to work from different locations and

accommodate varying time zones. This flexibility supports a better work-life balance for employees, promoting employee satisfaction and well-being. Virtual teams can attract and retain top talent by offering flexible work options that align with individual needs and preferences.

4. Collaboration across boundaries

Virtual teams enable collaboration across organizational boundaries. IT companies can leverage the expertise of employees from different departments, branches, or even partner organizations. Virtual teams promote cross-functional collaboration, knowledge sharing, and innovation, leading to enhanced problem-solving capabilities and the generation of new ideas.

5. Increased diversity and inclusion

Virtual teams provide opportunities to foster diversity and inclusion within IT companies. By assembling virtual teams comprising members from different backgrounds, cultures, and experiences, companies can benefit from diverse perspectives and approaches to problem-solving. Virtual teams promote an inclusive work environment where individuals from various backgrounds can contribute and thrive.

6. Scalability and resource optimization

Virtual teams offer scalability for IT companies. As projects and workload fluctuate, virtual teams can be easily expanded or downsized based on the requirements. This scalability allows organizations to optimize resources and adapt to changing demands efficiently. Companies can leverage virtual teams to respond quickly to market changes, seize new opportunities, and manage project timelines effectively.

7. Global market presence

Virtual teams enable IT companies to establish a global market presence without physical constraints. By leveraging virtual collaboration, companies can engage with clients, partners, and stakeholders worldwide. This expands market reach, opens new business opportunities, and facilitates international growth for IT companies. By embracing these opportunities, IT companies can harness the potential of virtual teams to drive innovation, collaboration, and organizational success. Leveraging global talent, enhancing flexibility, promoting diversity, and optimizing resources can position companies at the forefront of the industry and enable them to thrive in a rapidly evolving business landscape.

Conclusion

In conclusion, virtual teams in the context of IT companies in South India represent a significant and evolving aspect of modern work environments. Studying the effectiveness of virtual teams in these companies provides valuable insights into their communication dynamics, collaboration strategies, trust-building mechanisms, goal clarity, productivity, and leadership and support structures. Virtual teams face unique challenges, including communication barriers, trust-building difficulties, coordination and collaboration complexities, and technological issues. However, they also offer opportunities for global collaboration, cost optimization, flexibility, and access to diverse talent. To maximize the effectiveness of virtual teams in IT companies, organizations should focus on effective communication strategies, collaboration tools, trust-building activities, goal clarity, productivity monitoring, leadership development, and support structures. By addressing these challenges and implementing best practices, organizations can enhance virtual team performance, employee satisfaction, and overall organizational success.

Theoretical implications of researching virtual teams involve advancing knowledge on communication and technology, team dynamics and effectiveness, leadership and management, employee engagement and well-being, organizational design and structures, and knowledge sharing and innovation. Practical implications of virtual team research include implementing effective communication strategies, selecting, and utilizing suitable technology tools, developing leadership and management practices, fostering trust and team cohesion, establishing performance management and feedback mechanisms, promoting collaboration and knowledge sharing, and providing training and professional development opportunities. By considering both the theoretical and practical implications of virtual teams in IT companies, organizations can navigate the challenges and leverage the benefits of virtual teamwork to drive success, productivity, and innovation in an increasingly remote and globalized work environment.

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