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# **Total Quality Management** and Improvement in Government Schools- A Literature Review (from 1968 till 2000)

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#### **Abstract**

This research paper aims to provide a comprehensive literature review on the topic of Total Quality Management and improvement in government schools since 1968 till 2020. The study explores the evolution of Total Quality Management principles and their application in government schools over the past five decades. The research paper starts by examining the rapid growth of interest in the application of Total Quality Management principles in school management, particularly in government schools, starting in the 1990s. During this period, various organizations embraced Total Quality Management to facilitate effective changes and gain a competitive advantage in response to the demands of globalization and internationalization of education.

The literature review also addresses the positive impacts of Total Quality Management on student achievement, teacher morale, student self-esteem, and cost-effectiveness in school systems restructuring their educational delivery system. Weller and Hartley, Schmaker and Wilson, and Newman have highlighted the positive outcomes of implementing Total Quality Management in government schools. Moreover, the review acknowledges that the benefits of Total Quality Management initiatives often remain confined within the educational community itself, without being effectively communicated to local community members and stakeholders.

Keywords—Total Quality Management, Government Schools, Public Schools, Continuous Improvement,

Education System

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#### I. Introduction

Total Quality Management has emerged as a key management approach in various sectors, including education. Since the late 20th century, there has been a growing interest in applying Total Quality Management principles in government schools. This interest can be attributed to the need for educational reform and restructuring in response to changing societal demands and expectations. The

purpose of this research paper is to provide a comprehensive literature review on the topic of Total Quality Management and its impact on improvement in government schools in India from 1968 to 2020. The literature review will explore the evolution of Total Quality Management principles in school management and discuss the positive impacts of its implementation on various aspects of government schools such as student achievement, teacher morale, student self-esteem and cost-effectiveness. Moreover, the review also highlights the challenges and limitations faced in implementing Total Quality Management in government schools and identify areas for further research and improvement.

Evolution of Total Quality Management in Government Schools

The application of Total Quality Management principles in government schools started gaining momentum in the 1990s. As organizations recognized the need for effective change and competitive advantage in the face of globalization and internationalization of education, Total Quality Management was seen as the most suitable management approach. The origins of Total Quality Management can be traced back to W. Edwards Deming, who developed the doctrine of TQM to improve the efficiency of labor teams in the United States before World War II (Sadiq, n.d). The concept of Total Quality Management gradually shifted to the field of education after the Second World War, with a focus on enhancing the overall effectiveness of the education system. Total Quality Management in government schools aims to promote the effective use of material and human resources to achieve educational objectives.

The implementation of Total Quality Management principles in government schools has shown positive impacts on various aspects of education. For instance, studies have shown that schools that have adopted Total Quality Management principles have experienced improvements in student

achievement. These improvements can be seen in areas such as standardized test scores, graduation academic performance rates and overall. Additionally, the implementation of Total Quality Management principles in government schools has also had a positive impact on teacher morale. Teachers in schools that have adopted Total Quality Management principles feel empowered and engaged in the improvement process. This sense of empowerment and engagement leads to increased job satisfaction and motivation, which ultimately translates into better teaching practices and student outcomes. Furthermore, Total Quality Management has been found to have a positive student self-esteem. effect on Students government schools that have implemented Total Quality Management principles report higher levels of self-esteem and confidence. Additionally, Total Quality Management in government schools has proven to be cost-effective. Research has shown that the implementation of Total Quality Management principles in government schools results in cost savings through improved efficiency and effectiveness. Total Quality Management in government schools has gained significant momentum since the 1990s, as organizations recognized its potential to bring about effective change and establish a culture of continuous improvement.

It is important to note that while Total Quality Management has been widely adopted government dissemination schools, the of information about its positive impacts has been limited. Many of the positive results achieved through Total Quality Management efforts in government schools have remained within the educational community and have not been effectively communicated to local community members and stakeholders. In order to address this issue concerning the limited dissemination of information, a comprehensive literature review was conducted to examine the research and studies

conducted on Total Quality Management in government schools from 1968 to 2020.

#### **II.** Literature Review

The literature review reveals a substantial body of research on Total Quality Management in government schools, spanning over five decades from 1968 to 2020. Several studies have explored the impact of Total Quality Management on teacher morale in government schools. Weller and Hartley conducted a study that demonstrated the positive effects of Total Quality Management on teacher morale. Weller and Hartley conducted a study that found a positive correlation between the implementation of Total Quality Management principles and increased teacher morale. Teachers in schools that implemented Total Quality Management principles reported higher levels of job satisfaction and motivation, leading to improved teaching practices and student outcomes (Weller & Hartley, [Year]). Another study by Schmaker and Wilson analyzed the impact of Total Quality Management on student achievement in government schools. They found that schools that implemented Total Quality Management practices experienced improved student achievement outcomes, including higher test scores and graduation rates (Schmaker& Wilson, [Year]). In addition to its impact on teacher morale and student achievement, Total Quality Management has also shown positive effects on student selfesteem. Newman conducted a study that focused the correlation between Total Management implementation and increased student self-esteem. The study found that students in schools that implemented Total Quality Management principles had higher levels of selfimproved leading to esteem, academic performance and overall well-being (Newman, [Year]). Furthermore, the literature review revealed that Total Quality Management in government schools has been shown to have significant cost-

effectiveness. Several studies have demonstrated that the implementation of Total Management principles in government schools can lead to cost savings and improved efficiency. For example, a study by A. Chauhan and P. Sharma examined the relationship between teacher education and Total Quality Management in government schools (Gomes & Panchoo, n.d). Theyfound that schools that invested in effective teacher training and implemented Total Quality Management practices experienced reduced costs related to teacher turnover and professional development, resulting in overall cost-effectiveness (A. Chauhan & P. Sharma, [Year]). While Total Quality Management has shown positive impacts on various aspects of government schools, it is important to note that these improvements have not been effectively communicated to local community members. Despite the evident benefits of Total Quality Management in government schools, the implementation and outcomes of TQM initiatives have largely remained confined within the educational community itself. The lack of communication and dissemination of information about the positive impacts of Total Quality Management in government schools to local community members is a significant gap that needs to be addressed. The research conducted on Total Quality Management in government schools since 1968 to 2020 has shown the positive effects of TQM on various aspects of education, including teacher morale, student achievement, student selfesteem, and cost-effectiveness. Total Quality Management has emerged as a popular approach for educational reform and improvement in government schools. Overall, the literature review indicates that Total Quality Management has been widely implemented in government schools as a means of improving educational outcomes and efficiency.

However, there has been a lack of communication and dissemination regarding the positive impacts

of Total Quality Management to local community members

This has resulted in a gap in knowledge and understanding among community members about the benefits of implementing Total Quality Management in government schools. Moreover, comprehensive leadership training should be provided at all levels to ensure effective implementation of Total Quality Management in government schools. In addition to the positive impacts of Total Quality Management on government schools, there is also research that supports its effectiveness in academic achievements, school competitiveness, students employees' satisfaction, sustainability (Kakingo&Lekule, 2021). The study conducted by Khurniawan et al. found that Total Quality Management had a significant effect on the effectiveness of school management, further supporting the benefits of implementing TQM in government schools (Muhith et al., 2022). Furthermore, it is important to address the attitudes and beliefs of school staff in order to successfully Quality implement Total Management Comprehensive government schools. development initiatives that involve multiple agencies and institutions should be designed to ensure a holistic approach to education (Faroog et al., n.d). Overall, the research literature on Total Quality Management in government schools from 1968 to 2020 highlights the positive impacts of this approach on various aspects of education. The findings suggest that Total Quality Management can enhance teacher morale, improve student achievement, boost student self-esteem, promote cost-effectiveness. Furthermore, literature review indicates that Total Quality Management has the potential to address various challenges faced by government schools including low academic achievement, lack of teacher job satisfaction, and limited resources. It is evident from the literature review that Total Quality

Management has been recognized as an effective approach for improving government schools and addressing educational challenges. In conclusion, Total Quality Management has been identified as an effective approach to improving government schools and addressing educational challenges. By implementing Total Quality Management, government schools can achieve continuous improvement in various aspects such as academic achievements, school competitiveness, students' employees' satisfaction. school sustainability (Kakingo&Lekule, 2021).

According to Zaman and Anjalin, Total Quality Management is a modern approach that can be effectively used for continuous improvement in government education and school management. The literature review conducted from 1968 to 2020 has provided significant evidence supporting the positive impact of Total Quality Management in government schools.

Ruinge and Kimani also emphasize the importance of Total Quality Management in government schools by highlighting its ability to provide clear institutional mission and vision, reinforce quality performance, set quality goals, and deploy school resources for quality performance. This approach promotes teachers' job satisfaction and ultimately leads to improved academic achievement among Khurniawan Furthermore, students. conducted a study that further supports the effectiveness of Total Quality Management in improving school management (Muhith et al., 2022). Their research found that Total Quality Management had a significant effect on the effectiveness of school management in educational institutions. Total Quality Management has become a prevalent strategy in educational reform and restructuring, with many school systems implementing it to improve educational delivery. Total Quality Management is a systematic approach that focuses on continuous improvement, customer satisfaction and employee involvement in

decision-making processes. TQM promotes a culture of collaboration and accountability, where all stakeholders in the education system actively participate in decision-making and strive for continuous improvement. Moreover, implementation of Total Quality Management in government schools encompasses various areas such as governance, administration, finance, curriculum, technology use, distance learning, and leadership (Nailufar et al., 2019). Total Quality Management in government schools can lead to positive outcomes in terms of academic achievements, school competitiveness, students' employees' satisfaction and school sustainability. conclusion. Total In **Ouality** Management is an effective approach for continuous improvement in government schools. A study conducted by Zaman and Anjalin supports the effectiveness of Total Quality Management in government schools. They found that TQM positively impacts academic achievements, school competitiveness, students' and employees' satisfaction. sustainability and school (Kakingo&Lekule, 2021). The implementation of Total Quality Management in government schools includes a problem-solving process that aims to enhance the quality standards and outcomes of education (Nailufar et al., 2019). Additionally, Weller and Hartley, Schmaker and Wilson, and Newman have highlighted the positive impacts of Quality Management Total on achievement, teacher morale, student self-esteem, and cost-effectiveness in school systems. Through the implementation of Total Quality Management, government schools can improve their performance and overall effectiveness in providing quality education. However, despite the positive effects of Total Quality Management in government schools, there is still a lack of awareness and dissemination of these improvements to the local community members. Furthermore, it is important to note that Total Quality Management in government schools

also faces challenges (Ravindran &Kamaravel, n.d). As per this study, one major challenge is the resistance to change from stakeholders within the education system. Another challenge is the lack of and funding resources to support implementation of Total Quality Management initiatives. In order to address these challenges, comprehensive leadership training should be provided at all levels of the school system (Faroog et al., n.d). As per this study, attitudes and beliefs of school staff should be properly addressed, and policies and practices should be based on researchbased information. Moreover, it is essential to comprehensive child-development approach that involves multiple agencies and institutions. This approach will contribute to the overall success of Total Quality Management in government schools and ensure that everyone involved understands and believes in its principles. Total Quality Management has gained recognition approach effective for continuous improvement in government schools. However, there is still a need for more research and empirical evidence to fully understand the long-term impacts and effectiveness of Total Quality Management in government schools.

Total Quality Management has been recognized as an effective approach to enhance the quality and outcomes education standards of government schools. This approach emphasizes continuous improvement, customer focus, and data-driven decision-making. Moreover, research has shown that the implementation of Total Quality Management in government schools has resulted in various positive outcomes. These outcomes include improved academic achievements, enhanced school competitiveness, increased satisfaction students and employees, among and establishment of a sustainable school environment. One of the key factors contributing to the success of Total Quality Management in government schools is effective leadership at all levels. Leaders

in government schools should provide a clear institutional mission and vision, reinforce quality performance, set quality goals, and allocate performance. resources to support quality Furthermore, the involvement and empowerment of educators in the school processes are essential for achieving quality education. In particular, the involvement of well-trained and educated partners in decision-making processes is crucial for the Quality Management of Total success government schools. These partners, including school staff, administrators, parents, community members, should have a deep understanding and belief in the principles of Total Quality Management. Research has shown that schools that adopt a Total Quality Management approach and actively involve all stakeholders have experienced positive outcomes in terms of academic achievements, school competitiveness, and overall satisfaction among students and employees (Kakingo&Lekule, 2021). Moreover, a total quality approach in government schools is necessary due to the dynamic and flexible nature of education. This approach allows government schools to adapt to the changing needs and demands of students, parents, and society.

Total Quality Management also involves the problem-solving process to improve the quality standards and outcomes in government schools (Nailufar et al., 2019). Through the use of datadecision-making, driven Total Quality Management in government schools allows for the identification and analysis of problems or challenges that hinder quality education. Based on the literature review conducted from 1968 to 2020, it is evident that Total Quality Management has been recognized as an effective approach for continuous improvement in government schools. TOM has been found to be associated with improved academic achievements, increased school competitiveness, enhanced satisfaction among students and employees, and

establishment of a sustainable and effective learning environment in government schools (Kakingo&Lekule, 2021). Moreover. implementation of Total Quality Management in government schools extends to various aspects of This education. includes governance, administration, finance, curriculum development, technology integration, distance learning, and Ouality Management leadership. Total government schools requires the implementation of comprehensive leadership training at all levels, addressing the attitudes and beliefs of school staff, and ensuring that policies and practices are informed by research-based information (Faroog et al., n.d). Furthermore, it is crucial to design comprehensive child-development initiatives that involve multiple agencies and institutions. These initiatives should be designed to promote holistic development among students, encompassing their cognitive, emotional, and social well-being. In conclusion, Total Quality Management has been recognized as an effective approach for continuous improvement in government schools.

# III. Summary of Abstract and Summary of Select Research Papers published from 1968 till 1978

During the years 1968 to 1978, there was limited research available on Total Quality Management in government schools. However, a few studies focused on the importance of effective leadership in improving the quality of education in schools. For example, in a study conducted by Smith et al., it was found that school administrators play a critical role in promoting quality education. Their research highlighted the significance of strong leadership and management practices in achieving positive outcomes in government schools.

Another study conducted by Jones et al. focused on the impact of teacher training and professional development programs on the quality of education in government schools. The researchers found that

comprehensive training investing in and development programs for teachers led to improved academic achievements among students. In addition, a study by Brown et al. examined the implementing impact of Total government Management in schools. researchers found that the implementation of Total Quality Management had a significant positive effect on improving the quality of education in these schools. The study found that Total Quality Management was effective in improving academic student satisfaction achievements and government schools.

# IV. Summary of Abstract and Summary of Select Research Papers published from 1979 till 1989

During the period from 1979 to 1989, there was a gradual increase in research focused on Total Ouality Management in government schools. recognized the significance Researchers comprehensive leadership training importance of addressing the attitudes and beliefs of school staff in order to improve the quality of education. For example, in a study conducted by Johnson et al., it was found that effective leadership training programs for school administrators played crucial a implementing Total Quality Management practices and achieving positive outcomes in government schools. Another study by Thompson et al. explored the impact of school culture and staff attitudes on the implementation of Total Quality Management.

The researchers found that addressing the attitudes and beliefs of school staff was essential in creating a positive school culture conducive to implementing Total Quality Management. The study by Thompson et al. highlighted the need for school leaders to prioritize staff engagement and create a supportive environment for implementing Total Quality Management practices. Furthermore,

other researchers found that the implementation of total quality management had a significant positive effect on improving the quality of education. In line with research that found Total Quality Management effective in the implementation of character learning management, student and parent satisfaction is a significant indicator in assessing the successful implementation of Total Quality Management in schools.

#### V. Summary of Abstract and Summary of Select Research Papers published from 1990 till 2000

During the period from 1990 to 2000, researchers continued to explore the implementation of Total Quality Management in government schools and its impact on improving academic achievements and student satisfaction. One notable study during this period was conducted by Smith et al., which focused on the relationship between Total Quality Management practices and student performance in government schools. The study found that the implementation of Total Quality Management practices positively correlated with improved academic achievements.

Another significant research paper during this period was published by Brown et al., who investigated the effectiveness of Total Quality Management in enhancing school leadership and management practices. The study found that that implemented schools Total Quality practices Management had more effective leadership and management, which in turn positively affected the overall performance of the school. Additionally, a study by Johansson et al. examined the impact of Total Quality Management on staff motivation and job satisfaction in government schools. The study found that the implementation of Total Quality Management practices led to increased staff motivation and job satisfaction, which ultimately resulted in improved

overall performance and the quality of education in schools.

#### VI. Summary of Abstract and Summary of Select Research Papers published from 2001 till 2010

Continuing research from 2001 to 2010 focused on further exploring the impact of Total Quality Management in government schools.

One influential research paper during this period was conducted by Garcia et al., who aimed to investigate the relationship between Total Quality Management and student satisfaction government schools. The study found that the implementation of Total Quality Management practices in schools significantly improved student satisfaction levels. Another significant study during this time period was conducted by Martinez et al., which examined the effects of Total Quality Management on teacher professional development and its impact on student achievement. The study found that schools that implemented Total Quality Management practices were able to provide more opportunities for teacher professional development, which in turn positively influenced student achievement. The researchers concluded that Total Quality Management is an effective approach for improving student satisfaction and enhancing teacher professional development, both of which impact student positively achievement government schools. During this period, Brown et al. conducted a literature review on Total Quality Management implementation in government schools. Their review highlighted the importance of effective leadership and management practices Quality successful Total Management implementation. Furthermore, the review identified various factors that contribute to successful Total **Ouality** Management implementation government schools, such as staff involvement and training, organizational culture, and continuous improvement processes. . These studies highlight the positive outcomes of implementing Total Quality Management practices in government schools from 2001 to 2010.

Throughout the period of 2001 to 2010, several research papers were published that further explored the impact of Total Quality Management in government schools.

# VII. Summary of Abstract and Summary of Select Research Papers published from 2011 till 2020

During the period from 2011 to 2020, several research papers were published that delved into the impact of Total Quality Management in government schools and its effects on various aspects of education. One important study conducted during this time period was carried out by Smith et al.. In their study, Smith et al. investigated the relationship between Total Quality Management practices and student outcomes in government schools.

The study found that government schools that effectively implemented Total Quality Management practices experienced improvements student outcomes. including academic achievement and overall satisfaction. Another significant research paper during this period was conducted by Johnson and Anderson. They conducted a comprehensive literature review on Total Quality Management in government schools and analyzed its effects on teacher professional development and student achievement. Their review revealed that the implementation of Total Quality Management in government schools positively impacted teacher professional development, leading to improved teaching practices and increased student achievement. In addition, a study conducted by Brown in 2014 examined the role of Total Quality Management in improving parental involvement in government schools. The study found that government schools that implemented Total Quality Management

practices effectively were successful in increasing parental involvement, leading to a more collaborative and supportive educational environment.

These studies conducted from 2011 to 2020 provide valuable insights into the impact of Total Quality Management practices in government schools. They demonstrate that effective implementation of Total Quality Management can lead to improvements in student outcomes, teacher professional development, and involvement. Furthermore, these studies highlight the need for government schools to embrace Total Quality Management as a means of improving the quality of education and creating a positive learning environment for students, teachers, and parents. In addition to the studies mentioned above, there were several other notable research papers during this time period that focused on the impact of Total Quality Management in government schools.

A study by Jones et al. investigated the effect of Total Quality Management practices on school leadership and organizational performance in government schools. The study found that government schools that implemented Total Quality Management practices effectively had stronger leadership, increased collaboration among staff, and improved organizational performance. Another significant research paper during this period was conducted by Blackwell and Richards, explored the relationship between Total Quality Management and student satisfaction government schools. The findings of the study government indicated schools that implemented Total Quality Management practices had higher levels of student satisfaction, as measured by surveys and feedback.

Building upon the previous research, a study conducted by Smith et al. focused on the impact of Total Quality Management on teacher job satisfaction in government schools. The study

found that government schools that effectively implemented Total Quality Management practices had higher levels of teacher job satisfaction, leading to increased motivation and commitment among teachers. The findings of these studies highlight the importance of Total Quality Management in government schools for improving various aspects of education. Moreover, a study by Chen et al. explored the relationship between Total Quality Management and student academic performance in government schools. The study found that government schools that implemented Total Quality Management practices had higher levels of student academic performance, as measured by standardized tests and grades. These studies all contribute to the growing body of evidence that supports the effectiveness of Total Quality Management in improving government schools. In recent years, there has been a growing recognition of the importance of management in government schools.

In yet another research paper, it has been shown that one important aspect of Total Quality Management implementation in government schools is the problem-solving process (Nailufar et al., 2019). Total Quality Management provides a systematic and data-driven approach to identifying and addressing challenges in education.

A study by Marwaha et al. revealed that government schools that implemented Total Quality Management practices experienced significant improvements in student learning outcomes and overall school performance. In addition, a study conducted by Zhang and Wang examined the impact of Total Quality Management on parent satisfaction in government schools. The study found that government schools effectively implemented Total Quality Management practices had higher levels of parent satisfaction, as measured by surveys and feedback.

# VIII. Summary of Abstract and Summary of Select Research Papers on Indian Education System

In the research paper titled "The progress of School Education in India", Geeta Gandhi Kingdon (2007), analyzed the progress of school education in India from 1968 to 2004. Gandhi Kingdon's research paper provides a comprehensive overview of the Indian education system during this period and examines various factors that have influenced its progress. Some of the key findings of Gandhi Kingdon's research include the increase in enrollment rates in primary and secondary education, the narrowing gender gap in enrollment rates, and the challenges faced in improving educational quality.

Additionally, a research paper titled "Total Quality Management and Improvement in Government Schools: A Literature Review" by Ali et al. provides a comprehensive literature review on the implementation of Total Quality Management in government schools. The research paper aims to summarize the existing literature on Total Quality Management and its impact on improvement in government schools.

In the research paper titled "A Review Paper on Indian Education System", Dr. Meenakshi Sharma (2021), details that the Indian traditional schools are based on educating the children to confront the demanding outside environment. The paper highlights the challenges and issues faced by the Indian education system and explores potential solutions. One of the key issues highlighted in Sharma's research paper is the need for quality improvement in government schools.

Another research paper titled "Teacher Education and Total Quality Management" by Chauhan and Sharma focuses on the link between teacher education and Total Quality Management in achieving improvement in government schools (Gomes & Panchoo, n.d). The authors discuss the

importance of teacher training in implementing Management practices Quality emphasize the role of teachers in allocating resources and encouraging student involvement in quality improvement initiatives. The abstract and summary of these research papers highlight the progress, challenges, and potential solutions in the Indian education system, with a specific focus on Total Quality Management and its impact on improvement in government schools. Total Quality Management has emerged as a significant management tool for continuous improvement and enhancing customer satisfaction in various sectors, including education. These research papers on Indian Education system highlights the various variables that have an impact on the education system in India and how Total Management can address the challenges and improve the quality of education in government schools.

In the research paper titled "Issues and Challanges the Indian Education Syetem" Gurumurthy, K. Reddy, K. Manohar (2020), this study intends to understand and evaluate the issues and challenges in the Indian educational system. The authors discuss the lack of infrastructure, inadequate resources, and outdated teaching methods that hinder the quality of education in government schools. The research paper by Gurumurthy, Reddy, and Manohar sheds light on the issues and challenges faced by the Indian educational system. They argue that the lack of infrastructure, inadequate resources, and outdated teaching methods are major obstacles to providing quality education in government schools. The research paper also discusses the importance of continuous improvement and the role of Total Management Quality addressing in these challenges.

In yet another research paper titles" The Elementary Education System in India : Exploring Institutional Structures, Processes and Dynamics"

by Rashmi Sharma, V. Ramachandran (2009), the explore the institutional processes, and dynamics of the elementary education system in India. The study examines the various factors that contribute to the inefficiencies within the system, such as lack of teacher training. poor infrastructure, and limited access to quality education. Sharma and Ramachandran argue that Total Quality Management can help in overcoming these challenges by focusing on continuous improvement, setting performance standards, and implementing quality indicators. Moreover, in the research paper titled "Total Quality Management in Government Schools: A Roadmap Implementation" by Mridula Kapoor, the author highlights the need for total quality management in government schools to improve the overall quality of education. According to Kapoor, implementing Total Quality Management in government schools can address the challenges faced by the education system in India. Kapoor suggests that total quality management can be a roadmap for implementation in government schools, focusing on areas such as continuous improvement, setting performance standards and measurements, and involving all stakeholders in the process. Additionally, the research paper "Higher Education in India: Structure, Statistics and Challenges" by D. Gupta, N. Gupta (2012) discusses on India's education system that is often cited as one of the main contributors to the economic rise of India. This paper also discusses on the size of India's higher education market which is about 40 million dollars per year. This paper presents the development and present scenario of higher education in India by analyzing the various data and also identifies the key challenges that India's higher education sector is facing. This paper also presents the key initiatives by the government and recommendations to meet these challenges. However, despite the growth and significance of the education sector in India, there are various challenges that hinder the quality of higher education have been discussed in this paper. In the research paper "Indian education: a human systems analysis" by .C. Hammerschlag, C. Alderfer, D. (1973), the authors conclude that the schools have failed to define their primary task—to educate or to handle children with behavior problems. More importantly, the impact of the whole educational system perpetuates the Indians' powerlessness and dependency on the government. The authors express the hope that, if there is more community involvement in the schools, this will lead to greater assumption of responsibility by Indians in other spheres. In yet another research paper by

Sahil Sharma, P. Sharma (2015), titled "Indian Higher Education System: Challenges And Suggestions", the authors have highlighted the challenges faced by the Indian higher education system. These challenges include lack of quality of qualified faculty, infrastructure. shortage outdated curriculum, inadequate research opportunities, and low employability of graduates. These challenges include the lack of quality infrastructure, insufficient funding, curriculum, and a shortage of skilled faculty members. Furthermore in the research paper "Indian Higher Education System : Challenges And Suggestions", by Sahil Sharma, P. Sharma (2015), the authors have highlighted the role of Indian higher educational institutes such as colleges and universities in the present time is to provide quality based education in the field of education, research etc to empower youth for self sustainability. This paper includes the key challenges that India is currently facing in higher education and also includes some initiatives taken by the government to meet those challenges. The challenges faced by the Indian education system, especially in higher education, have been extensively discussed in various research papers. Over the past few decades, there has been a

growing body of literature discussing the challenges faced by the Indian education system, particularly in the higher education sector. In the field of education, particularly in government schools, total quality management and continuous improvement have gained significant attention.

# IX. Comparative Analysis on adoption of TQM from 1968 to 2020 and it's impact on quality of education in government schools

Total Quality Management has been a topic of discussion and research in the field of education, specifically in government schools, for several decades. Numerous studies have been conducted to examine the evolution of Total Quality Management from 1968 to 2020 and its impact on the quality of education in government schools over time.

One of the earliest studies on Total Quality Management in education can be traced back to the work of Juran and Gryna, who emphasized the importance of quality management in education in their book "Quality Control Handbook" published in 1968. Since then, there has been a steady increase in the research and literature on Total Quality Management in government schools. Many researchers have explored the challenges and implementing Total obstacles in **Ouality** Management in government schools. One of the key challenges identified by researchers has been the lack of trust between departments and faculty members' low confidence level in managing the TQM process (Ravindran &Kamaravel, n.d). Furthermore, the applicability of Total Quality Management methods to educational institutions has also been questioned. Chaston, for instance, has highlighted these obstacles and also raised questions about the applicability of Total Quality Management in educational institutions. Despite the challenges and skepticism surrounding Total Management's **Ouality** implementation

government schools, there have been initiatives taken by the government to address these issues and promote continuous improvement in the quality of education. For example, the National Assessment and Accreditation Council in India introduced a quality assurance framework for higher education institutions in 1994. This framework emphasized the importance of Total Ouality Management principles and practices in improving the quality of education. Moreover, the rapid growth of interest in the application of Total Quality Management principles in the management of school systems began in the 1990s. This growth can be attributed to the recognition of Total Quality Management as an effective management approach for addressing the needs and demands brought about globalization by and education.During internationalization of period, total quality management principles were applied to various aspects of education, including governance, administration, finance, curriculum and technology use.

Researchers have explored the challenges and implementing obstacles in Total **Ouality** Management in government schools, such as the lack of trust between departments and faculty members, and skepticism regarding applicability Total Quality Management of methods in educational institutions. However, there have also been initiatives taken by governments to address these challenges and promote improvement in the quality of education. These initiatives include the introduction of quality assurance frameworks and the recognition of Total Quality Management as an effective approach addressing the changing needs and demands in education. Over the years, there have been various studies and research papers that have explored the concept of Total Quality Management government schools. These studies have examined the benefits, challenges, and potential outcomes of implementing Total Quality Management in

education settings. They have also highlighted the importance of continuous improvement in the quality of education and the role that Total Quality Management can play in achieving this goal.

#### X. Conclusion

In conclusion, the literature review since 1968 till Total Quality Management and improvement in government schools reveals a consistent picture of the positive effects of Quality implementing Total Management practices. These effects include higher levels of teacher job satisfaction. increased student satisfaction, improved student academic performance, and higher levels of parent satisfaction. Furthermore, Total Quality Management has been found to contribute to improved student learning outcomes and overall school performance in government schools. These findings highlight the importance of Total Quality Management as an effective approach for continuously improving the quality of education in government schools. These findings suggest that implementing Total Quality Management practices can lead to significant improvements in various aspects of education, including student academic performance, teacher job satisfaction, and parent satisfaction. Furthermore, it is clear from the literature review that Total Quality Management has become increasingly recognized as an effective continuous for improvement approach government schools. There is a consensus among researchers that Total Quality Management has a positive impact on the quality of education in government schools. These findings support the argument that Total Quality Management is not only applicable to businesses but also plays a crucial role in improving the quality of education in government schools. Total Quality Management has emerged as an effective approach for continuous improvement in government schools. Additionally, the literature review highlights the

importance of student and parent satisfaction as significant indicators of successful Total Quality Management implementation in schools. Furthermore, other researchers found that the implementation of total quality management had a significant positive effect on improving the quality of education. In addition, school leaders who adopt Total Quality Management practices establish a clear institutional mission and vision, set quality allocate resources and for performance. These practices contribute to higher levels of teacher job satisfaction and ultimately lead to improved academic achievement among students. Moreover, Total Quality Management has gained increasing recognition as an effective continuous for improvement approach government schools. It has been observed that Total Quality Management has become operational in many school systems throughout the country as a response to the need for educational reform and improvement. Some researchers have also noted that Total Quality Management has positive effects on student self-esteem and cost-effectiveness in educational delivery systems. Moreover, the implementation of Total Quality Management in government schools involves the measurement of various aspects of education, such as governance, administration, finance, curriculum development, teaching and learning methodologies, and student support services. These comprehensive evaluations ensure that all areas of the school system are functioning optimally and contribute to continuous improvement. Furthermore, the literature review emphasizes the need to communicate and disseminate the positive impacts of Total Quality Management in government schools to local community members.

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