MECHANISMS FOR MANAGING THE QUALITY OF EDUCATION IN THE CONTEXT OF SYSTEMIC CHANGE

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Abstract: The purpose of the study is to put forward efficient insight on "Mechanisms for managing the quality of education in the context of systemic change". Furthermore, quality education has a contextual significance in constructing an equality basis in our quickly evolving civilisation. The researchers used both quantitative primary research and qualitative secondary research to perform the study. The researchers were able to preserve the material's integrity in this circumstance by depending on peer-reviewed publications. Researchers meticulously recruited 101 board members of higher education organisations to shed light on the issue. The sample size has been limited by the study group because they feel that this group of people are capable enough to provide meaningful information on this topic.

Keywords: Quality of Education, Dynamic Nature of the Educational Sector, Overcrowing, Technological Advancements, Distance Learning, Mutual Teaching, Practice-Based Programs

1 Introduction

It is essential to note that the necessity of the quality of education is manoeuvred at both the state and regional strata and at the same time, the incorporation of the distinct educational programmes plays a significant role in this particular domain. The issue associated with the administration of education scenario has an influencing attribute on society. It demands an efficient system that assists in effectively monitoring and evaluating the progress. An interesting perspective can be put forward in this particular scenario (Jurabaevich, & Bulturbayevich, 2021). Research associated with the "National centre for education statistics" has detected that around fifteen per cent of Ukrainian schools are overcrowded. Therefore, policymakers need to address the issue systematically by putting forward certain master tactics to avoid this core issue. It's essential to put forward housing administration so that forces administer the capacity in this particular domain.

It is not a hidden fact that overcrowding in educational institutions is not a new hurdle (Vedder, 2020). A study was put forward in this particular domain. It demonstrates that it is vehemently associated with the lower attainment among different students belonging from distinct socio-cultural and economic backgrounds. The study also provided insight on the disparity of both teacher and student to witness the overcrowding aspect of the school. Therefore, certain things must be incorporated to maintain the quality of education in the domain of this country. It is essential to implement a "progressive tax code" that would put forward taxes on the influential and wealthy citizens of the country that would enable them to strengthen the public education system. At the same time, it is essential to invest systematically in teachers as they are the pillar of the education system (Rahmania et al., 2020). A maximised funding by the policymakers for the teachers in the remote areas would definitely maximise the quality of education significantly. This paper is going to put forward efficient illumination on the "Mechanisms for managing the quality of education in the context of systemic change" to put forward a broad perspective in this particular scenario.

2 Literature Review

Quality education is perceived to be essential for seeking better forms of job opportunities, sustainable livelihood progression and incorporation of a healthy lifestyle. According to Raji (2019), education quality is reflective of the growth factor development of individuals and can be further progressed through technological implementations. The current period of education that represents the quality of life and income for individuals required extensively productive education intent for applicability. Furthermore, the contextual significance of quality education lies in establishing an equity foundation in regard to this rapidly advancing civilisation.

Figure 1: Impact of quality education on individuals
Source: Self-created

Masses, with quality education, have the potential towards tolerance of resilience, in a communal context, as well as in uplifting peace and democratic empowerment. Abiev & Mattiev (2020) opine that the qualitative approach to education exhibits the formation of future leaders, academicians and officials. The development of quality education in a nation is reflected in its future development and economic structure. It incorporates high professionalism, in addition to modern thinking, decision-making and progression societal development. The authors further state that this particular factor works as an effective catalyst for the development of professional skills, cultural appreciation, ideological beliefs and individual talent recognition.

Peurach et al. (2020) suggest that the purpose of systemic changes in education systems is subject to incorporate technological and modern advancement from improving quality. Systemic change is described as the change incorporated in pre-existing school systems by district bureaucracies, as well as education state departments. The study brings to view the context of educational quality equality as an evidently new, year essential systemic change. Accordingly, universal access to public education does not directly align with quality and equal opportunity assurance. Raji (2019) states that it is concerned with educational experiences, along with outcomes, for all students from different cultural, social and economic backgrounds.

Figure 2: Quality education in Ukraine
Source: Wenr.wes.org, 2019

The above figure represents a descriptive perception of the currently systemic changes implemented in the primary education system in Ukraine. According to the figure, it is observed that compulsory education is initiated till grade 12. Lukina et al. (2021) state that systemic change aligns with the

essentiality of integrating education systems and quality improvement for future growth and opportunities. The above figure represents a descriptive understanding of the population count of the country, bringing a comparative approach towards education aspects. Accordingly, Ukraine exhibits a population of 42 million with the implementation of grade 12 compulsory education (Wenr.wes.org, 2019). This is effectively approached as managing education quality in the light of systematic changes. The Ukrainian policy of education system, implementing systemic change, is directed towards the inclusion of scientific, as well as cultural contracts for innovative growth management.

Systemic change requires the application prospects of effective mechanisms of managing that can be implemented for effective education quality development. It is also to be procured that educational systematics require essential management of timeline and financial accessibility. According to Von Wirth et al. (2019), for the management of appropriate applicability, experimentation and lab research play crucial roles. It is understood that changes pervading different and all education system parts require frequent research and impact assessment. The lack of proper experimentation and proof can lead to negative impacts without stable contingency planning.
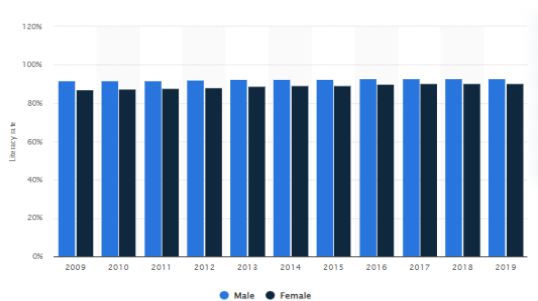

Figure 3: Global youth literacy rate from 2009 to 2019, by gender

Source: Statista, 2020

The figure 3 presented above is subject to representing education and rat to literature worldwide. One elemental aspect of quality education, as mentioned before, is the right and equality of education scope and future opportunities. However, there is a prominent gender divide in regard to the literacy rate exhibited among young people all around the world. Although global literacy rates for young men, including women aged 15 to 24 years have grown (Statista, 2020). According to the graphical representation presented above, on average more, males are literate than girls. Nearly 93% and roughly 91% of males and females respectively worldwide were literate as of 2019 (Statista, 2020). A similar picture emerged, in the context of the adult population, as per the statistical prospects all across the world. The study is reflective of the fact that one of the most impactful setbacks of this system is the lack of flexibility of traditional classrooms.

The literature gap is crucial in structuring the informative and primary prospects of a literature review, guiding the pathways of assessment flow. Accordingly, one of the primary literature gaps observed is the lack of appropriate resources that take into context the consideration of the current Ukrainian education system. Furthermore, there has been noted insufficient concentration on the impact of systemic changes on institutional financial stress. Rapid and extensively innovative systemic changes such as smart and digital classrooms require instant access to appropriate devices. It is also to be pointed out that the literature failed to access proper materials that discuss the current systemic prospects of quality education. The leading reason is subject to lack of accessibility of different limited resources. Another concerning aspect is that technological and innovative changes in the education system have insufficient research works, directed from consentaneous changes. However, these setbacks, have not hindered the qualitative factors of the authenticity of this research.

This literature review has brought to context the impact and essentiality of managing quality education and its systemic changes. It has been observed that the lack of schedules and the rational timeline for changes has led to negative influence in traditional forms of educational institutes. This is primarily due to the lack of appropriate development resources, educational flexibility and resources accessibility. Quality education is thought to be necessary for obtaining better work possibilities, advancing in one's career, and adopting a healthy lifestyle. Furthermore, quality education has a contextual significance in constructing an equality basis in our quickly evolving civilisation. As a result, universal access to public education does not guarantee quality or equality of opportunity. This is in regards to all students from various cultural, social, and economic origins, as well as their educational experiences and outcomes. Systemic transformation necessitates the creation of effective management strategies that may be utilised to improve education quality.

3 Methodology

Research methodology is an important tool for the researchers that enable them, to effectively, logically and systematically put forward concepts and procedures. It enables them to amalgamate primary and secondary pieces of information while conducting the research. It acts as the fulcrum of the study. At the same time, it efficiently assists the researchers to amalgamate primary and secondary pieces of information (Research-methodology.net, 2021). It also plays a significant role as it systematically helps the research scholars to indulge the most sophisticated techniques, statistics and images. At the same time, it guides them to tap into the most authentic pieces of information to conduct their research. This precise and authentic piece of information effectively assists the study groups to represent inquiry in a legit manner that enables them to conclude the study systematically. Hence, as a result, to achieve the study's stated aims and objectives, effective use of suitable instruments and methodologies will be required. Additionally, the researchers have identified certain determinants in this scenario that would play a vital role in maintaining the quality of the education such as 1) standard process 2) educational competency financing 3) standards for teachers and other employees associated with teaching 4) infrastructure for education 5) assessment parameter for education 6) addressing the overcrowding in the educational institution. The main purpose of the research is to systematically replicate the most efficient result in this particular field of operation. It is essential to mention that all the ethical attributes were maintained in the course of action as it effectively assists to maximise the potency of the study while maintaining the legitimacy and efficacy of the research at the same time.

It's important to highlight that the researchers conducted the study using both quantitative primary research and qualitative secondary research. It is important to note that the primary study aided academics in better comprehending the problem, and as a consequence, the data's validity was preserved. Furthermore, the primary research benefited the researchers in acquiring accurate information that allowed them to complete their studies properly. The researchers also gave qualitative data from secondary research (Research-methodology.net, 2021). It helps scholars to save time while still acquiring a solid grasp of the subject. In this scenario, the researchers were able to maintain the material's integrity by relying on peer-reviewed publications. Furthermore, in this case, only works from the past decade are considered. It is worth mentioning that academics have used theme analysis approaches in conjunction with the effective use of secondary research material to present a comprehensive viewpoint in this situation.

The researchers have arranged a survey in this particular scenario to gather their primary pieces of information for the research (Research-methodology.net, 2021). They have efficiently gathered around 101 participants to get illuminated for this particular scenario. They have constrained the sample size to maintain the authenticity of the research. They have systematically invited 101 board members of the higher

education organisations to shed light on this topic. The study group has restricted the sample size as they feel that this set of participants is efficient enough to put forward their illumination on this topic. Being the policymakers of the educational system, they are well aware of the issues associated with them. Hence they are the most suitable person.

4 Results

It is worth mentioning in this particular scenario that one hundred and one participant was invited to participate in this particular survey. All the participants are the board members of the famous higher educational institution. The researchers have analysed their opinion through three questions and they try to assess the primary pieces of information based on their responses. It is essential to mention that all the ethical considerations were maintained while conducting the research. Survey Question 1: "Do you think that new technological advancements can maintain the quality of education in this pandemic situation?" (see Fig. 4).
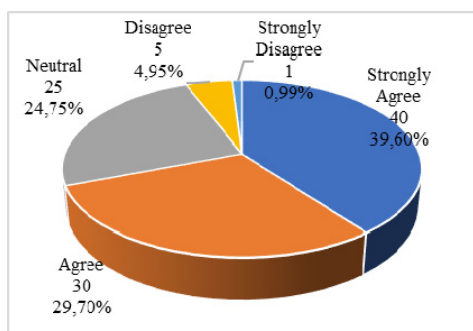

Figure 4: The influence of technological advancements in maintaining the quality of education during Pandemic
Source: Compiled by authors

It is essential to mention in this particular scenario that around one hundred and one participants were invited to conduct the research. The primary aim of the question is to put forward efficient insight into the effect of the recent pandemic situation on the educational sector. The researchers are well aware of the malicious effect of pandemics on the educational sector. However, they are also optimistic about the technological advancements that efficiently assisted both teachers and students to continue distance learning. It is worth noting that around seventy participants effectively agreed with the crux of the question. They really feel that technological advancement has effectively assisted the different universities and other educational organisations to continue their educational initiatives without compromising the quality of education. At the same time, all the curriculums can proceed according to plan due to that. However, around twenty-five participants remain neutral in this particular scenario. Even though completely agreed that technological advancements efficiently assist the educational system to proceed with the curriculum. However, they refuse to opt for this medium permanently as the lack of internet connection in the remote area has significantly hampered the very crux of this initiative. Around six participants decided to respond negatively.

It can be effectively seen from the graph that around sixty per cent of participants agreed positively regarding this topic. It is essential to mention that they think of it as a survival instinct. Moreover, they cannot overlook the importance of Moodle and blackboard in this struggling situation. Around twenty-five per cent of the participants remain undecided about the reason mentioned above. Around six per cent of the participants disagreed with the essence of the question because of the long-term implementation of distance learning.

Survey Question 2: "Do you think that raising standards for the teachers would improve the quality of education?" (see Fig 5).
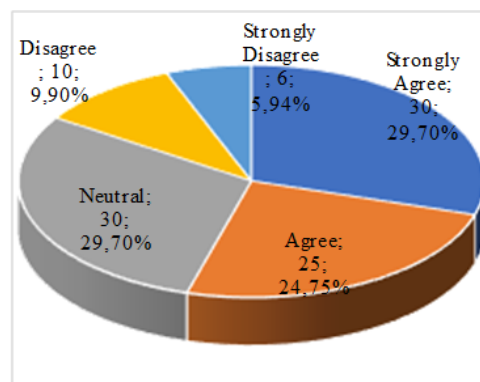

Figure 5: The effect of raising standards for the teachers in maintaining the quality of the education
Source: Compiled by authors

The second question tries to analyse how the "raising standard for the teachers" can positively influence the quality of education. It is important to mention in this particular scenario that around fifty-five participants agreed with the crux of the questions. They feel that the quality of the teachers in the remote area is very concerning. It is essential to raise standards for the teachers in those regions to reap the maximum benefit and maximise the quality of education. However, around sixteen participants decided to respond negatively. They feel that all the teachers are recruited after maintaining certain criteria and all the teachers are competent enough in their respective subjects. Around thirty participants remain undecided in this particular scenario. Even though they really feel that teachers are the core pillar and they are recruited through meeting certain criteria. However, they feel that they indeed have some training in a specific area due to the technological advancement in the modern scenario.

It can be effectively deciphered from the graph that around fifty-three per cent of the participants responded positively to the question. While around twenty-nine per cent of the participants remain undecided and fifteen per cent responded negatively in this particular scenario.

Survey Question 3: "Do you agree that addressing the overcrowding issue can significantly improve the quality of education?" (Fig. 6).
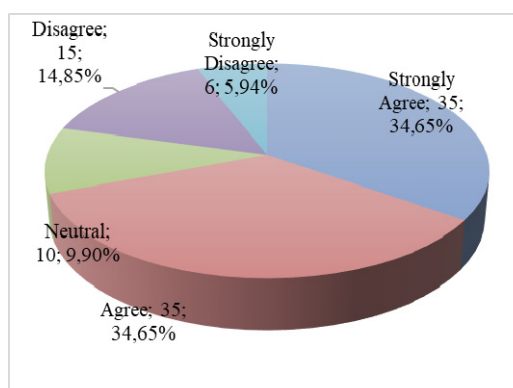

Figure 6: The effect of overcrowding issue in maintaining the quality of the education
Source: Compiled by authors

The question effectively tries to analyse the malicious effect of overcrowding in maintaining the quality of education. It can be effectively seen from the table that seventy per cent of the participants completely agreed with the essence of the question. Around twenty-one per cent of the participants responded negatively and ten per cent of the participants remain undecided.

It can be effectively seen from the table that around sixty-eight per cent of the participants responded positively. Around Twenty per cent of the participants remain negatively and ten per cent of the participants remain undecided while answering.

Recognition of distinct determinants in the educational process underpins the assimilation and assessment of the capacity in the domain of the educational sector and the pupils associated with those organisations. It is important to note in this scenario that different researchers feel that a practice-oriented study session efficiently put forward and maximises the potential of the students. At the same time, they believe that the ever-growing competitive scenario in the educational domain demands this kind of study programme to inculcate the maximum benefit for the same (Bryk, 2021). Different researchers have developed certain scientific methods in this particular scenario that enables the reconstruction of the pieces associated with the education to maximise the potency of the practice-based study sessions. These researchers have effectively demonstrated in their methodologies that help the institution to effectively organise the educational curriculum in a scientific manner that enables the students to achieve mastery over a particular subject by incorporating repeated practising (Logachev et al. 2021). However, it is important to mention in this particular scenario that the technical prerequisites required to achieve ultimate objectives are not taken into consideration by the researchers that can be termed as the disadvantages of this method. These researchers have shed light on the weak educational standard and programme while shedding light on this particular matter (Lagreca & Kang, 2020). Moreover, it is essential to note that the educational sectors are lacking in the technological attributes that restrict them to formulate efficient content efficiency to reap the maximum benefit in this particular domain and thus practice-based educational programmes become essential in this sphere (Logachev et al. 2021).

It is essential to shedding light on this particular domain that most of the educational institutions effectively formulate the curriculum many years in advance to minimise the complexity of the educational programme. However, they completely discarded the unwanted situation such as the covid pandemic that it possesses a grave problem. Moreover, the education system is ever-evolving due to technological advancements (Daniels & Adonis, 2020). The educational policymakers completely failed to grasp the very nature of the dynamic nature of the educational sector. Therefore, it can be seen that most of the previously formulated study programmes become obsolete and failed to engage the students systematically. Therefore, instances of different in competencies can be witnessed. The specialist thus often failed to perform the jobs allocated (that is formulated in the industry) to them even after finishing or going through the training (Lagreca & Kang, 2020). This malicious situation is not only plaguing the Ukrainian educational system but also is imposing a great impact on the foreign education institution as well. A set of researchers puts forward effective insight in this particular scenario. He demonstrated that a cohesive connection between the educational industry and educational curriculum must be established to effectively maximise the quality of education.

Another set of researchers has effectively put forward insights on distance learning education due to the inception of the covid pandemic. However, they specifically shed light on the importance of formulating "electronic educational material" that would efficiently assist the student in continuing the practice-oriented study session. However, numerous active formulations of "electronic educational material" has been made in different countries including Ukraine. However, the assimilated experiences are not been properly methodised till now. Even though "electronic educational technologies" replicate the traditional curriculum, the incompetencies of most educational institutions regarding how to incorporate them in the mainstream education system restricts them from achieving their full potential in this particular domain (Kolb, 2020).

5 Discussion

After the efficient discussion, it can be efficiently seen that there is astronomical differentiation between pedagogical methodologies and the educational resources allocated that restrict the education industry to reach its ultimate potential. Once, a poet said that "Pen is mightier than the sword". However, the imbalances existing in society is making this line lose its importance in the present scenario. Moreover, the role of the teachers and mentors must be questioned in this scenario as well. The present curriculum in the educational sector enables the teacher to engage in the formal determinants and thus the real requirements of students remain undetected. Moreover, the traditional curriculum put forward by the government mainly refers to the authentication of formal elements. It hardly focuses on the infrastructure and training programmes required for the teachers. A survey was put forward in this particular scenario. It was effectively conducted inside four countries and it effectively demonstrates that a change is required to improve the educational quality in the country. The researchers have effectively commented on the core prerequisite in this sector. They said that it is essential to comprehend the existing capacity of the country in the educational sector. The next step is to track the gradual and sustained manoeuvring of the pedagogical evolution (Arlinghaus & Johnston, 2018).

It is also essential to note that governments, policymakers, teachers, mentors also need to assimilate their effort in this particular domain to bring about the slow yet systematic changes in the education sector. It is essential to formulate a distinct pattern of pedagogical institutions that is capable enough to meet the requirement of diverse requirements of the pupils. However, it is important to mention in this particular scenario that new methodologies are required to be put forward as per the existing resources. Therefore, a method of "mutual teaching" can be incorporated in this scenario as it is worth noting that students must adapt their learning method at the same time, the teacher must adapt their teaching in the ever-changing scenario and due to the dynamic aspect of the educational sector (Zhan &Niu, 2021).

The researchers have effectively conducted a survey in this scenario with 101 board members of the educational institutions to get a broad perspective of the scenario. All the questions put forward by the researchers are linked to the "education quality" one way or the other. The first question tries to assess the importance of technological advancement to maintain the quality of education during the pandemic and most of the participants responded positively in this particular scenario. However, some of the participants indeed shared grave concerns over the future of distance learning due to the poor implementation of tools in remote areas. The second question shed light on the competency of the teacher while the third question addresses the issues regarding the overcrowding of the pupils. Each and every question plays a significant role for the researchers to conclude their study on a positive note.

6 Conclusion

In conclusion, it can be said that the role of government and as well as policymakers are highly influential in this particular domain. Moreover, the assimilated efforts of different stakeholders associated with this industry are also required. The education sector is highly dynamic and it is essential to evolve accordingly to maintain the standards as well as the quality of the education. Moreover, the importance of certain educational programmes cannot be overlooked in this particular scenario. However, it is worth mentioning that they should be implemented scientifically. Moreover, diversity in the educational domain also assists to maximise the quality and standard of education. The researchers have effectively put forward a survey in this particular scenario to get a proper understanding of this particular scenario that enables them to conclude their study efficiently. It also enables them to conclude the study on a positive note.

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