Reforms In Education System

A. Introduction

B. Key Areas Of Educational Reforms.

1. Curriculum modernization

Finland's education system emphasizes phenomenon based learning rather than traditional subject silos.

2. Teacher Training and Professional development.

Singapore invests heavily in continous teacher training through National Institute of Education.

3. Digital transformation and e-learning.

Estonia digitalized its entire curriculum and offers e-learning platform for free.

4. Equitable access to Education

Rawanda has achieved 97% enrollment rate through gender sensitive and rural education policies.

5. Early Childhood education reforms.

Investment in Early Childhood Education yields 13% return per child per year (World Bank)

6. Science, Technology, Engineering and Mathematics (STEM) education promotion.

Countries like South Korea, investing in STEM show higher innovation and GDP growth.

7. Technical and Vocational education Training (TVET)

Germany's dual education system combines classroom education with vocational training.

8. Assessment and examination Reforms.

New Zealand uses National Certificate of Educational Achievement (NCEA), focusing on internal assessment.

9. Inclusion of Climate and Sustainability education

Only 53% of countries include climate change in National Curricula (UNESCO 2021).

10. Reducing dropouts rates.

Bangladesh introduced conditional cash transfer to reduce dropout rates in girls.

11. Gender-sensitive education policies Malala Fund and India's Beti bachao, Beti Parhao Campaigns aim to bridge

Well organised

gender gaps in education.

12. Educational financing and Budget allocation

UNESCO recommends 4-6% of GPP on education, many developing countries spend below 8%.

13. Need of Artificial Intelligence (AI) and emerging technologies.

China is piloting AI classrooms and real-time performance monitoring in schools.

Quite relevant

14. Higher Education Reforms.

United Kingdom's Teaching Excellence Framework ranks universities based on teaching quality not just research.

15. Decentralization and Autonomy.

Charter schools in the United States operate independently under performance-based contracts.

16. Life long learning and Adult education

Finland's liberal education system is open to all, encouraging personal development.

17. Mental Health and Student Well-being

1 in 7 adolescents suffers from a mental disorder globally (WHO).

18. Public-private partnership

Bridge International Academics operate low-cost schools in Africa and Asia with tech-driven solutions.

C. CONCLUSION

Once Nelson Mandela said, "Education is most powerful weapon, which you can use to change the World." This quotation emphasizes the value of education. Anyone can be empowered by education. But, the condition is that education system works properly. most of the countries faces poor educational system. For making that poor educational system strong, it is needed to implement the reforms. Through reforms any educational system of any country can produce thinkers, ministers and philosophers. Now, question arises that which reforms are mandatory/obligatory for educational system? The answer of this question is to that these reforms are required, which are given; Curriculum modernization, Teacher training and professional development, Digital transformation and e-learning, equitable excess to education, Promotion of STEM education, Technical and vocational Training (TVET), Inclusion of climate and Sustainability education,

The techniques of raising question is fine

reducing dropout rates, gender-sensitive education policies, education financing and budget allocation, need of Artificial Intelligence (AI) and emerging technologies, Public Private partnership and mental health and students well-being. By implementing all these reforms, educational system would be able to make provide quality education. Although in 21st century educational system ~~following quality~~ education and skill-based ~~is but~~ recurring above policies and reforms, it would be competitive and sustainable.

Firstly, curriculum moder-nization is one of the most key aspects/areas of educational system. The concept of curriculum moder-nization is to align curriculum with critical thinking, innovation and real world skills. By modernizing curriculum students would no know about contemporary issues, challenges and their solutions. Students would also real world skills which make them competitive and they will be able to fill the gap which is already created. Education System of Finland emphasizes phenomenon-based learning rather than

traditional subject silos. This example gives the idea that can a country shift towards betterment in education just to improve curriculum.

Additionally, Investing in Teacher training and professional development ~~leads~~ Also leads -wards pave of success in educational system. If teachers would be trained and ~~they have~~ professionally developend then, they may ~~deliver although~~ teach skills. But if teachers lack in teaching then, how they connect ~~to~~ students with real world skill and contemporary issues. Singapore invests heavily in continous teacher training through National Institute of Education. ~~those countrise like Singapore who invests in teacher can get results in the shape of~~ their students. Professionally developed teachers are lacking world ~~wide~~. According to UNESCO report(2022), Over 69 million new teachers needed globally by 2030. ~~This data shows that those much countries have not professionally developed teacher and they need to~~

Moreover, enhancing digital transformation and E learning can be the reason of successful educational system. E-learning can help students to learn from every where, every time. Digital transformation and e-learning got recognition in the time of Covid-19. During pandemic, e-learning helped too much to learn. when every thing was off, but the learning was continues due to digital learning. During Covid-19 **over 1.9 billion students affected globally, according to UNICEF report.** But after that most of countries learned that traditional system of learning would not work only but also it need to reset the whole system or **New, Estonia digitalized its entire curriculum and offers e-learning platform for free.** This is the result of pandemic.

Furthermore, giving equitable access to education can lead towards betterment. Most of children are out of school due to lack of interest, Poverty, inavailibility of resources, and lack of facilities. According to UNESCO **244 million children and youth were out of school.** Where inequalities represents

billion people and on the same time 244 million children were out of school, this ratio is too high. By ensuring students (children and youth) and providing them equal access of education can lead pave of success. As Rwanda, a country located in Africa has achieved 97% enrollment rate through gender sensitive and rural education policies. If an African country can achieve this significant achievement then why not other developed and developing countries Can?

By quite appropriate paragraph and transition is fine good education can be the way to achieve the Or to make successfull educational system. Early childhood education is the basic where from students learn and decide either to study or leave it. As World Bank reported that investment in early childhood Education yield 13% return per child per year. This is large return. If every country work and implement above policy then that country can be enrich through education, and no one can stop it to be successfull. Most of the countries are

offering state-sponsored learning centers. From them, One of the examples is: Norway offers state-sponsored early learning centers for children from age 1. By implementing these centers Countries like Norway can be enriched.

In addition to, promotion of Science, Technology, Engineering and Mathematics (STEM) countries can be justified as innovative. If countries invest in STEM show higher innovation and GDP growth. As, one of the examples is: South Korea emphasis on STEM helped it become a tech and innovative hub. Combination of terms, Science, Technology, Engineering and Mathematics are terms of contemporary world. By enhancing STEM, any country can be rich through technology. If Any country knows about STEM and implement it in their education system can be counted upper developing country. Because, someone said that 21st century is the century of Science and technology. STEM directly proportional to GDP. If student get higher success/rank in STEM its GDP also counted as higher.

As, investing in Technical and Vocational Education Training (TVET) can be the reach of reforms in education system. The Technical and vocational education training is a skill-based learning through Technical and Vocation Education Training (TVET) students improve skill gaps and reduces youth employment. As, TVET provide students training during their academics. after completing training students are able to earn by utilizing their skill. Germany's dual education system combines classroom education with Vocational Training. By, taking this training student can bear their expenses own.

Moreover, enhancing assessment and examination system education system can work properly. Today's examination system is memorized based, whose memory is good then he/she will be topper. Instead of this education system should have to shift from rote memorization to skill based mechanism. Through skills, there would be no need of rote rattofication, students only need to prepare themselves for skill based which will help out them in their professional carrier. As, NewZealand

uses National Certificate of Educational Achievement (NCEA), focusing on internal assessment.

Rattafication never helps students in their professional career, but skill-based learning do. So, changing of examination and assessment system will help out students, as well as institution and country too.

Furthermore, including climate and sustainability education is core need of today.

World is facing natural problems, etc like climate change and global warming but due to disturbance in natural phenomena. But most of the people do not think. Although, people saying these disasters are done by Allah Almighty. So, teaching climate and education is necessary in today's world. Only 53% of countries include climate change in National curricula (UNESCO 2021). Changing dynamics of World this number is too small. It seems like every 3rd World country faces problems due to climate change but only 53% of countries just know regarding climate change.

By, reducing dropout rates education system would be improved. Institution like

schools, colleges, and universities are defined by students. ~~Students would be drop out and classes will be empty then it would not be there institute~~ Dropout rates are high in institutions because most of students donot afford it, and some students would be dropout because of ratio~~...~~ According to report of World Bank, Global Secondary School dropout rate is 33% in low income countries. ~~Due to poor families background study girls have to~~ support their families financially and they institutes.

Additionally, implement policies of Gender-sensitive education. In 3rd world countries mostly gender discrimination ~~occur~~. Some families especially in rural areas donot leave their girls to school because they understand that if a girl will go to school then she would be empowered and she will ask her rights. Most of the parents donot leave their daughters into school because they thought that she will be abused. ~~This is not the case of only our country but studies show that European country girls still have barriers in school countries and some NGOs~~

We need to improve word choice

Start with subject plz

Implementing the policies

Gender discrimination is quite deep rooted

work on on women empowerment and enroll students in rural areas. British council's project Take a child to school enrolled 5000-1000 students in Sindh. Malala Fund and In the Beti Bachao, Beti Padhao campaigns aims to bridge gender gaps in education. These campaigns can fill the gap, which was created.

In addition, enhancing education financing and budget allocation can improve the system. Most of the countries spend below 3% of whole GDP like Pakistan spends 1.7% of whole GDP which is less. On the other hand, UNESCO recomends 4-6% of GDP on education. Those countries which are spending less than the suggestion of UNESCO will surely ~~bear~~ free the problems like poor infrastructure and untrained teachers. However, some countries are spending ~9% of their GDP on education. Denmark spends about 6.3% of its GDP on education among the highest globally. These countries which are investing above the UNESCO's recommedation can surely change the system and produce critical thinkers and good writers.

Through, working on Artificial Intelligence and emerging technologies education system would be able to compete In contemporary world, global dynamics change. In first time people fight with their hands, then guns, then cold war, but now, countries although people are fighting through technology. Artificial Intelligence is the need of this time. If a country wants to compete and lack in implementing modernization then it will surely fail. Artificial Intelligence can help researchers to find out solutions of any issue. Software of AI like chatgpt and deep seek would be help in any field of education. China is piloting AI classrooms and real-time performance monitoring in schools. By implementing these technologies in institutions will be helpful for students as well as teachers.

~~Education system would be large scope of success by implementing reforms in higher education. Many of the countries still follow traditional framework of research and teaching methodology.~~ While, world changes ~~through ranks~~

frame work also changes. As, Teaching Excellence Framework of United Kingdom ranks universities based on teaching quality not just research. This has proved that not only research is required for including top rank but also quality of teaching.

It is said that if anyone is fit mentally and physically then he/she may work properly. So, working on Mental health and well-being of students is a significant key aspect in educational system. During studies some of the fellows have done suicide. Some leave their studies and some would are the mentally ill. According to World Health Organization (WHO) 1 in 7 adolescent suffer from a mental health. This number is much greater. It seems worse students mentally ill. then how parents leave enroll their children in institutions?

Lastly, enhancing public-private partnership in education can make and also give a great chance to make education system sustainable. In Pakistan, mostly private organization works with public sector to enhance institutions performance. Bridge

International Academy operate low-cost schools in Africa and Asia (especially Pakistan) with tech driven solutions. These projects can have ability to support low-income area students, providing high quality education. These projects and can provide peaceful environment to students and if there is peaceful environment then the learning process enhances. ~~Through these projects students are support~~ ~~to international~~ ~~platform to sharpen their skills.~~

In a nutshell, One of the famous writers said, "Technology will not replace the great teachers, but technology in the hands of great teachers can be transformational." (George Couros). This quotation emphasizes that if people understand that technology will replace teachers but it is not possible. even though through ~~technology~~ teacher can transform technology itself. ~~Education system can be improved~~ ~~by providing public private Don't next~~ ~~-hire Academy health and~~ ~~student well-being can create mile-~~

-stone achievement in education system. Education system can be transformed by implementing of Artificial Intelligence and emerging technologies. By inclusion of climate and sustainability education in the education system can improved education system. To implement all above policies and reforms education system would be sustainable, reliable and available for every single student of any nation. If education system works properly then entire nations of entire world will make writers, critical thinkers and philosophers.