

Topic: Education: The Future of Learning- Is
Technology the Key

Outline

Need improvement in mature word choice

(1) Introduction

Has been facing challenge of

Thesis statement: Education sector is facing stagnation due to lack of advancement. In this era of technological advancement, it is imperative to integrate technology in education for better future of learning. Pragmatic utilization of technology can prove to be a panacea of all educational problems in Pakistan.

(2) Significance of Modern Education in a Country's Progress

(3) Current Dynamics Pakistan's Education Sector

- (a) Inequitable accessibility to Education
- (b) Unable to provide Demand-driven Curriculum
- (c) Based on outdated Methods of Teaching and Learning
- (d) Inadequate educational resources and teaching staff
- (e) "Research Publication" focused Higher Education

Pls try to be more relevant in your discussion

(f) lack of collaboration with industry

(4) Impacts of Grim State of Education Sector

(a) Results in high unemployment among graduates

(b) lack of innovation leads to economic and intellectual stagnation

(5) Technology is the key to Bright Future of Education

(a) 21st Century: Century of Technological Advancement

(b) Technological advancement ensures equitable access to education

(c) Artificial Intelligence can enhance Education quality

(d) Technical and Vocational Education and Training

(e) Collaboration between university research and industry creates market for fresh graduates

(6) Pragmatic Measures to Integrate Technology in Education Sector

(a) Including technological advancement in Educational Policy making & budgeting

This is quite relevant

Well chalked out phrases

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(b) Promoting Public-Private Partnership to create collaboration among university ^{and} Industry

(c) Shifting Theoretical Education based Curriculum to Skill-based curriculum

(d) Using ~~promacy~~ ^{expertise} to impart technological expertise in education sector

(7) Conclusion

After the war of Independence, 1857, Muslims chose to distance themselves from Western education, while Hindus went ahead and chased the opportunity. Resultantly, Muslims lagged behind in social, political, and economic spheres. The nations that do not adapt according to the situation **Well engripples** are left behind in every sphere of life. Today, a quarter of 21st century, nicknamed as "technological century" has passed. Pakistan has adopted the modern education, but failed to adapt as per requirement. This inadaptability is evidenced in stagnated state of education sector in Pakistan. It has been suffering from resource scarcity, outdated syllabus, modes of teaching and learning, and lack of industrial collaboration. Consequently, a large number of graduates remain unemployed due to lack of required skills. Moreover, lack of innovation in education sector results in intellectual and economic stagnation. However, integration of technology can provide a solution by offering educational facilities, leading to quality education and imparting skills required for employment. The government can

play

a significant role by promoting collaboration among education sector and industrial sector. Another required measure is paradigm shift in educational curriculum. Moreover, the government can benefit from the technological expertise of friendly nations.

Hence, Pakistan should focus on technology.

Due to lack of advancement in this

area of technological advancement, it is

imperative to integrate technology in education

for the betterment of the country. Pragmatic

utilization of technology can prove to be

a panacea of all educational problems.

Modern education is highly significant for a country's progress and prosperity. Only

a well educated nation can steer the state

in the right direction through informed decision-

making. No country can prosper in its social,

economic, and political sphere, unless it provides free and quality education to its citizens.

This is why, the father of Pakistan, Muhammad

Ali Jinnah, emphasized the significance of

education sector. Once he said, "We should

invest in schools, colleges, and universities

to provide our students with education and skills needed for program." Not only this, being Muslims, it is imperative for all Muslims to gain knowledge. It is reported in the Majah that Holy Prophet (PBUH) once said, "Attainment of knowledge is must for every Muslim." Hence, it is necessary to educate the citizens for the state's program.

Currently, the education sector of Pakistan is facing serious issues, chief among them is inequitable access to knowledge. After the 18th amendment, every ^{children} ~~person~~ got the right of free and compulsory education under Article 25(A) of the constitution. Unfortunately, the country has failed to ensure this right. About 25.3 million children between the age of five to sixteen year ~~are~~ out of school. Similarly, only 1% ~~of~~ students can join a university after intermediate. The economic disparity results in education disparity also. The rich have access to quality education, while the poor strive to gain the basic education. The Prime Minister of Pakistan has rightly

Good statistics

termed it "~~criminal~~ negligence" of authority.

Thus, there is visible disparity in access to education in Pakistan.

Another major problem is the system's inability to teach updated and demand-driven curriculum to ^{students} ~~standards~~. The ^{skill} ~~syllabus~~ is based on theoretical education; however, the demand is of the practical and skill-based education. The students find this outdated curriculum boring and do not take interest in learning it. Moreover, curriculum also ~~lacks~~ the material required for building ~~up~~ skills in the students. All these inefficiencies ~~make~~ the education ineffective. Consequently, the graduates end up with ~~unemployment~~. In sum, a major contributor to education sector's inefficiency is ~~its~~ outdated and theoretical education.

Similarly, the teacher's delivery of content method and student's ~~Outdated~~ ~~delivery~~ of content method are also ~~outdated~~, inefficient and ineffective. Teachers solely rely on teaching theories and providing study material. On the

Other hand, students learn through rote-learning method. Such methods hinder the innovation and progress in learning system. In contrast, the world's best educational system is Finland's Education system. In Finland, the teachers use interactive methods of teaching, so that students do not get bored and take interest in learning. In short, traditional teaching and learning methods cannot deliver in progress of a country.

Moreover, inadequate educational resources and teaching staff also reduces the productivity. The reason behind this inadequacy is lack of budget allocation. For instance, in Fiscal year 2024-25 the government of Pakistan has allocated \$103.72 bn, Universities get Rs. 79 bn which is paltry allocation. In the world, countries allocate a lot of money for promotion of education. Unfortunately, Pakistan lag behind in this domain. India allocated \$5.6 bn for its education sector in FY 2023-24. Pakistan, being one-fifth of India, must allocate at least \$1bn. However, Pakistan allocated only Rs. 69 bn

Good technique of comparison and contrast

which is equal to \$241 million. On the other hand, Bangladesh allocated \$1 bn for the education of only 171 million population (Muhammad Shiekh, Funding the Universities, 2024).

This shows that meager budget allocation to education result in lack of resources hindering the program in education sector.

Apart from insufficient resource allocation, the direction of Pakistan's higher education policy is wrong. "Research Publication" is the main focus of our high education. Universities promote research publications because the criterion for selection and promotion is the number of publications. Consequently, teachers are not overlooking the quality of lecture delivery and innovation. As a result, education sector is suffering of stagnated growth. According to International rankings, Pakistan ranks 34th in research publication leaving behind the countries like Singapore. But this research is not reflected its country's educational, economic, and social sphere. Hence, the focus on research publications is diverting the efforts of teachers

wrong direction.

Last but not the least, high education do not collaborate with industrial sector. In order to bring the innovation in education and industry, collaboration between the both is highly important. The collaboration results in win-win situation. ~~University, and~~ ~~and~~ ~~collaboration~~ with each other. This is the reason, why research is not reflected in Pakistan despite of publishing a lot of research papers. Thus, lack of collaboration and integration between these sectors hinders their progress and path to success.

All the given inefficiencies and problems have serious impacts on the nation's future. One of the impacts, the most concerning one is rising unemployment among educated youth. Education sector has failed to decorate the graduates with technical and soft skills required for getting jobs in the market. According to Ishrat Hussain,

67% of the unemployed are educated while the unemployment among uneducated people stands at 33%. (Education vs. Employment, 2022).

Hence, unemployment is the result of the education sector plagued with a number of problems.

Along with unemployment, economic and intellectual stagnation is another major problem caused by inefficient education sector. Demand-driven economy brings innovation and prosperity.

A plagued education sector cannot bring innovation, which, in turn, stops the economic and intellectual evolution. Intelligent and

well-educated nation steer the country in right direction. They discover innovative ideas of

earning bring economic prosperity. However,

Pakistan's education sector is not trained on intellectual youth. Hence, goes without

saying that reason behind Pakistan's poor progress in economic, political, and social sphere is lack of efficient education.

However, 21st century has been the solution of all the given problems. The solution of all the problems of 21st century, including education sector's poor performance is found in technology. The 21st century is the century of technological advancement. Without utilizing technology, there is no future in this era. Hence, education sector can utilize technology as a panacea of all its problems. In the 21st century, uneducated illiterate would not those who cannot read and write, but those who cannot learn, unlearn, and relearn; (Alvin Toffler, ^{Third} The Coming Wave, 1989). This prediction by Alvin Toffler seems true now. The educated in this world be the people have ability to adapt their knowledge and skills as per the requirement. As a matter of fact, one can say that technology is the only solution of problems of education sector.

Technology is the solution of many problems of the education sector including lack of resources, and teaching staff, poverty, and other socio-economic factors. By utilizing the technology,

education can be provided equitably to all children. The technology includes online classrooms, internet websites, and ~~mobile phones~~. The government can use these resources to provide education to those who cannot join school and ensure physical attendance due to various reasons. Thus, technological advancement offers cost-effective and equitable solution to many problems of education sector.

Not only provision of equitable education, technology can also ensure the enhancement of education's quality. For improving the quality of education, it is imperative that every student gets personalized tutoring which helps the students to find the solutions of problems faced by them. In Pakistan's school, the Pupil to Teacher Ratio (PTR) shows that there are few teachers to assess and teach thousands of students. Technology provides its solution in the form of artificial intelligence. In order to ensure the personalized tutoring and assessment, artificial intelligence can be utilized. ~~Salman Khan~~, owner of

online academy "Khan Academy", emphasizes the significance of Artificial Intelligence in education sector. He claims that artificial intelligence will enhance the quality of education through personalized tutoring and assessment. This shows that utilization of technology can improve the state of education in Pakistan.

Education and

Moreover, technical and vocational training (TVET) is an appreciating initiative which helps the citizens to acquire education as well as skill set to earn money. This is the best solution for those who drop out due to poverty and inaccessibility.

In Balochistan, the secondary schools are present at a very large distance due to which students cannot join the schools physically. According to the estimate, the distance to the girls' secondary high schools from their houses is 38 km in Balochistan. This distance also distances the girls from education (Zeba Afroz, Leaving Millions Behind, July 2024). Hence, TVET is a technological solution

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which can ensure the equitable access to the children.

