THE IMPORTANCE OF FINANCIAL TECHNOLOGIES IN MODERN CONDITIONS OF FINANCIAL AND INTERBUDGETARY RELATIONS

Umurzokov Olimjon Umidjon o'g'li

Tashkent Institute of Finance

Annotation*: For governments looking to establish contemporary, effective, and transparent financial systems, FinTech's role in streamlining revenue collecting procedures is essential. As FinTech solutions continue to advance and gain traction, they have the potential to completely transform revenue collecting techniques and, in the process, improve the financial stability and sustainability of countries in the digital era.*

Keywords*: blockchain, cryptocurrency, digital transformation, financial education, mobile banking, peer-to-peer lending, cybersecurity, financial inclusion, risk management.*

FinTech, or *financial technology*, is the application of contemporary technology to the provision and enhancement of financial services. Fintech refers to a broad category of cutting-edge technology used in the financial sector to enhance the effectiveness, accessibility, and usability of financial goods and services.

The advent and swift development of Financial Technologies have transformed the way individuals, enterprises, and establishments interact with financial services in the always changing financial relations arena.

FinTech is the umbrella term for a wide range of technology intended to improve and innovate financial operations. It's main purpose is to make financial services more accessible. People today have unparalleled access to financial instruments and banking through digital platforms, smartphone applications, and online banking, surpassing geographical limitations and traditional obstacles.

The dynamic sector of fintech is upending established financial paradigms and creating new avenues for financial innovation. These technological advancements are influencing banking, insurance, investing, and other financial sectors in addition to the way individuals handle their personal affairs.

Financial technology plays a big and diverse role in the economy, impacting not just the financial system but also corporate processes, consumers, and much more. Financial services are becoming more accessible thanks to fintech advances, especially for people who might have had trouble accessing banking services in the past. This includes e-wallets, online banks, and other technological tools that let a variety of users handle their money. Fintech is bringing in technology like digital payments and blockchain to speed up and streamline financial transactions. This can speed up the processing of payments, cut expenses, and raise the general efficiency of financial operations.

New lending and investing models, like peer-to-peer (P2P) lending and robo-advisors, are made possible by fintech. With the help of these tools, entrepreneurs may get loans more easily, and investors can invest in more automated and customized ways. Fintech protects financial transactions by detecting fraud using artificial intelligence and data analytics technologies. As a result, customers and banks are exposed to less risk, and the financial system is perceived more favorably. Fintech offers small and medium-sized businesses cutting-edge financial solutions that simplify their access to financing, money management, and other financial tools. Fintech fosters innovation and the development of new business models, which advances research in technology and finance.

Competition in the financial sector is increasing due to the rise of FinTech firms; this could result in *reduced costs*, *better services*, and more *market efficiency*. Fintech ecosystems foster innovation and cooperation among financial institutions, digital firms, and startups, enabling the creation of fresh concepts and goods. Enhancing efficiency is also another essential FinTech function. Transactions have been made more efficient by technologies like blockchain, which have decreased processing times and operating expenses. Because blockchain is decentralized,

financial records are transparent, secure, and immutable, which reduces the likelihood of fraud and mistakes.

These developments give investors automated, data-driven investing strategies and borrowers access to alternate funding sources. As a result, FinTech promotes financial inclusion by providing services to people and companies that are typically neglected by traditional banking institutions. Yet another crucial FinTech's function is *risk management*. More accurate risk assessment and mitigation than with traditional methods is achieved through the use of advanced algorithms and machine learning. Financial institutions may quickly identify possible hazards and take preemptive measures by using real-time data analysis, which helps to create a more stable and robust financial environment.

It is impossible to exaggerate the importance of financial technologies in contemporary financial relations. The democratization of finance is among the significant effects. Traditional hierarchies have been overturned by fintech, giving small enterprises and consumers more ability to manage their financial affairs. Reducing reliance on conventional financial intermediaries and promoting economic growth are two benefits of this transition toward financial empowerment. FinTech has also encouraged payment system innovation. The way that transactions are conducted has been altered by cryptocurrencies, contactless payments, and digital wallets. These innovations will ultimately influence the way money is used in the future by improving financial transaction security and efficiency in addition to offering convenience.

Also, they have the potential to not only revolutionize the financial industry but also promote financial empowerment, lessen reliance on traditional intermediaries, and increase the financial literacy and awareness of society. FinTech's continued evolution is expected to have a significant impact on global finance, resulting in a financial landscape that is more inventive, efficient, and inclusive. Not to be overlooked is FinTech's contribution to financial education. Financial technology's platforms provide interactive tools and user-friendly interfaces to educate people about investing, budgeting, and general financial

literacy. The population becomes more knowledgeable and astute with the help of this educational component.

The function that financial technology play in today's financial relations is multifaceted and disruptive. The financial landscape has changed as a result of FinTech's capacity to improve accessibility, efficiency, risk management, and innovation. FinTech's influence on financial interactions is projected to grow as it develops, bringing with its new opportunities and difficulties that will influence how the world economy develops in the future. In order to successfully navigate the changing world of contemporary finance, it will be critical for individuals, companies, and financial institutions to embrace and adapt to these technological innovations. One of the primary functions of FinTech is to enhance accessibility to financial services. Through user-friendly digital platforms and mobile applications, individuals now have unprecedented access to banking and financial tools. This function addresses geographical constraints and traditional barriers, promoting financial inclusion for populations previously underserved by conventional banking systems.

FinTech employs advanced algorithms and machine learning to precisely identify and control risks. Real-time data analysis helps financial institutions identify potential risks rapidly, strengthening and stabilizing the financial system. The predictive capabilities of financial technology's analytics mitigate the impact of unforeseen events by facilitating proactive decision-making. One of fintech's most significant applications is in *financial education*. FinTech platforms provide interactive tools and intuitive user interfaces to help consumers better their financial circumstances.

With the advent of cryptocurrencies, contactless payments, and digital wallets, fintech has completely transformed the payment industry. These developments raise the efficiency and security of financial interactions in addition to making transactions more convenient. The move toward cutting-edge payment options is indicative of how FinTech is evolving in today's financial interactions. *Cybersecurity* is a vital FinTech function as financial transactions become more

digital. Sensitive financial data is protected through the use of strong security methods including multi-factor authentication and encryption. FinTech is always changing to keep up with cyberattacks and protect the privacy and accuracy of financial data.

Financial technology has become a potent engine for *economic growth*, providing creative solutions that transcend conventional financial borders. This paper investigates the ways in which FinTech might augment a nation's budget by means of several processes, hence promoting financial stability and economic expansion. FinTech is essential to streamlining the processes involved in collecting revenue. *The possibility of tax evasion* is *decreased* and *revenue collection efficiency* is *increased* through the use of digital payment platforms, mobile banking, and electronic tax filing systems, which speed transactions. Automated methods guarantee punctuality, accuracy, and openness in tax payments, which raises total government revenue.

Government financial transactions will experience unprecedented transparency thanks to the use of blockchain technology. Blockchain reduces the possibility of fraud and corruption by logging transactions on an immutable, decentralized ledger. Open financial practices boost confidence among investors and citizens, which may draw more money to the nation and *expand the budget*. FinTech lowers government operating expenses by *automating a number of financial activities*. Better resource allocation is made possible by automated accounting, budgeting, and spending tracking systems, which reduce human errors and inefficiencies. FinTech applications can result in cost savings that can be allocated to strategic areas, hence augmenting the budget.

FinTech-enabled peer-to-peer lending and crowdfunding platforms provide new avenues for projects and businesses to obtain money. Small and medium-sized businesses (SMEs) can prosper and create jobs by receiving capital from a variety of sources. These businesses' expansion boosts tax receipts and spurs economic growth, which benefits the nation's budget. Financial technology's serves populations that were previously underserved, hence promoting financial inclusion.

A wider tax base results from this inclusion as more people and companies join the formal financial industry. People actively participate in the economy and increase government revenue when they acquire banking services and become financially knowledgeable.

It's analytics can help governments make the most out of their spending. Policymakers can more effectively spend funding by identifying regions of greatest need and utilizing data-driven insights. This focused strategy guarantees that budgetary allotments have a significant influence on economic development and avoids unnecessary spending. Financial technology is now a vital tool that governments all over the world use to *optimize* and change their *revenue collecting procedures*. The financial environment has become more efficient and transparent as a result of the integration of digital payment platforms, mobile banking, and electronic tax filing systems. These developments have completely changed the way transactions are carried out.

It's capacity to streamline transactions is one of its main contributions to revenue collection. Time-consuming manual procedures are replaced by speedy and safe transactions made possible by digital payment platforms. The speed at which financial transactions are completed is accelerated by this greater efficiency, which also lowers the possibility of errors that arise from human data entry.

Another aspect of FinTech is mobile banking, which enables people and companies to do financial transactions using mobile devices. Because of its accessibility, the formal financial system is accessible to a wider range of people, which facilitates government tax and fee collection. Financial transparency is encouraged among users by the features that mobile banking applications frequently offer, such as tracking expenses and receiving fast payment alerts.

Systems for electronically filing taxes mark a substantial advancement in the digitization of revenue collection. By using electronic filing, taxpayers can minimize paperwork and lessen the administrative load on government agencies and themselves. Automated tax filing systems improve reporting accuracy and guarantee that firms and individuals pay the appropriate taxes. FinTech system automation is

essential to maximizing revenue collection. Automated procedures improve accuracy while also promoting punctuality and transparency in tax payments. Governments can make more proactive and knowledgeable decisions by tracking financial activities in real-time through the implementation of automated technologies.

The likelihood of tax evasion is significantly reduced when financial technology is used in revenue collection. Every transaction made through digital payment platforms leaves a traceable digital trail, which makes it more difficult for people or companies to commit fraud. Blockchain technology, which is frequently utilized in FinTech applications, offers an unchangeable and transparent financial transaction ledger, which further improves security. The cumulative effect of these FinTech-driven enhancements is a substantial increase in overall government revenue. The efficiency gains, reduction in tax evasion, and improved accuracy in reporting collectively contribute to a more robust financial ecosystem. This, in turn, empowers governments to allocate resources more effectively, address societal needs, and promote economic development.

A new era of automation in many financial procedures has been brought about by the development of financial technology, offering governments the chance to reduce operating expenses. *FinTech reduces the risks associated with human errors* and inefficiencies by implementing automated accounting, budgeting, and expenditure tracking systems. This promotes better resource allocation and strengthens the budgetary framework. The decrease in human error in financial processes is one of the main benefits of FinTech-driven automation. The precision and consistency with which automated systems carry out operations reduces the possibility of human error during manual data entering or calculations. This increased precision guarantees the accuracy of financial data, laying the groundwork for wise financial decisions.

Financial technology automation greatly simplifies budgeting procedures, which are typically complicated and prone to errors. *Large datasets* can be analyzed quickly by automated budgeting systems, which can also take into account a variety

of variables and aspects to produce more precise and data-driven budget proposals. Governments can now more effectively manage resources by matching budgetary priorities with societal needs and strategic objectives thanks to this increased accuracy.

FinTech automation simplifies spending tracking, an essential part of financial management. *Real-time spending monitoring* via automated systems enables prompt modifications and gives quick insights into spending trends. In addition to improving transparency, this gives governments the ability to proactively manage their financial resources and make sure that money is spent where it is most needed.

Furthermore, the strategic priorities are aligned with the redirection of cost savings, enabling governments to make investments in areas that directly affect economic growth and the well-being of citizens. Effective resource allocation increases the overall effectiveness of public spending, whether it be for innovation, public service improvement, or funding infrastructure projects that are vital.

FinTech's automation of financial operations gives governments an effective tool to cut expenses, decrease mistakes, and improve resource allocation. FinTech's streamlined accounting, budgeting, and spending tracking not only help create a more transparent and accurate financial ecosystem, but they also allow governments to reallocate cost savings to important industries, resulting in an enhanced budget that better serves society's changing needs. Analytics in financial technology can be a useful tool for governments looking to maximize their spending and distribute resources more effectively. Policymakers can leverage FinTech analytics to improve the overall impact of *budgetary allocations* on economic development, identify priority areas, and make well-informed decisions by utilizing data-driven insights.

FinTech analytics makes it possible to analyze financial data in-depth and provides a detailed insight of how money is spent in various industries. Governments can obtain significant insights into expenditure patterns, recognize trends, and evaluate the efficacy of previous allocations by utilizing sophisticated analytical techniques. This data-driven methodology offers a basis for policymaking based on evidence. The capacity of FinTech analytics to pinpoint regions with the

greatest need for resources is one of its main advantages. Governments can identify industries or initiatives in need of more funding by looking at past spending statistics. This focused strategy makes sure that money goes to projects that have a big impact, taking care of urgent social issues and promoting economic growth.

Policymakers can more effectively allocate funds thanks to financial technology's analytics, which uses real-time data and predictive modeling. Proactive decision-making is made possible by the capacity to recognize trends and project future requirements. Governments have the ability to allocate resources in a purposeful manner to sectors that support overarching objectives of economic development, such as innovation, infrastructure, healthcare, and education.

It's analytics functions as a preventive strategy against unnecessary spending by means of ongoing monitoring and analysis. Governments are able to spot inefficiencies, duplications, or places where funding might not be producing the expected results. This proactive strategy ensures a more responsible use of public finances by reducing resource wastage and enabling corrective steps to be performed immediately. In addition, FinTech analytics offer a targeted strategy that ensures spending decisions have a big impact on economic growth. By funding initiatives that align with national interests and long-term growth goals, governments can promote positive economic outcomes. FinTech analytics enables more strategic and efficient use of resources, whether they are being used to improve public services, foster innovation, or create jobs.

Financial technology's analytics use tremendous potential, but it's also critical to recognize its drawbacks, including the need for *qualified experts* to analyze large, complicated data sets and issues with data security and privacy. To properly utilize the entire potential of FinTech analytics, governments must make significant investments in strong data governance frameworks and guarantee regulatory norms are followed. Effective resource allocation, proactive *spending reduction*, and well-informed decision-making are all made possible by the capacity to use data-driven insights. Integrating FinTech analytics into policymaking processes becomes a crucial tactic for accomplishing sustainable and significant economic development

as governments negotiate the challenges of budgetary management.

It is not secret, that FinTech transforms financial systems by bringing efficiency, transparency, and inclusivity, which increases a nation's budget. Adoption of blockchain technology, automated financial procedures, and digital payment systems improves revenue collection, lowers expenses, and opens up new funding opportunities. The benefits include increased economic growth, the creation of jobs, and higher living standards in addition to *fiscal concerns*. In an ever-changing global economy, governments who adopt FinTech as a vehicle for financial empowerment should see improvements in their fiscal health and resilience. The potential of FinTech to support a nation's budgetary growth is still an intriguing opportunity for long-term economic development as the sector develops.

REFERENCES

1.Chishti, S., & Barberis, J. (2016). The Fintech Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries.

2.Sironi, P. (2016). Fintech Innovation: From Robo-Advisors to Goal Based Investing and Gamification.

3.https://thefintechtimes.com

4.Vigna, P., & Casey, M. J. (2016). The Age of Cryptocurrency: How Bitcoin and Digital Money are Challenging the Global Economic Order.

5.https://www.finextra.com

6.Tapscott, D., & Tapscott, A. (2016). Blockchain Revolution: How the Technology Behind Bitcoin and Other Cryptocurrencies is Changing the World.

7.Mougayar, W. (2018). The Business Blockchain: Promise, Practice, and Application of the Next Internet Technology.

8.Jaster, A., & Hagenau, T. (2016). FinTech For Dummies.

9.Skinner, C. (2014). Digital Bank: Strategies to Launch or Become a Digital Bank.

10.https://fintechmagazine.com/financial-services-finserv/wef-cambridge-university-future-of-fintech-report