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Avinash Kumar



Avinash Kumar has completed his Ph.D. in International Investment Law from the Dept. of Law & Governance, Central University of South Bihar. His research work is on "International Investment Agreement and State's right to regulate Foreign Investment." He qualified UGC-NET and has been selected for the prestigious ICSSR Doctoral Fellowship. He is an alumnus of the Faculty of Law, University of Delhi. Formerly he has been elected as Students Union President of Law Centre-1, University of Delhi. Moreover, he completed his LL.M. from the University of Delhi (2014-16), dissertation on "Cross-border Merger & Acquisition"; LL.B. from the University of Delhi (2011-14), and B.A. (Hons.) from Maharaja Agrasen College, University of Delhi. He has also obtained P.G. Diploma in IPR from the Indian Society of International Law, New Delhi. He has qualified UGC – NET examination and has been awarded ICSSR – Doctoral Fellowship. He has published six-plus articles and presented 9 plus papers in national and international seminars/conferences. He participated in several workshops on research methodology and teaching and learning.

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COMPARATIVE ANALYSIS OF TAX SYSTEM EFFECTIVENESS IN DEVELOPED AND DEVELOPING COUNTRIES

SUBMITTED BY:

Vartika Gupta

Vth Semester

LL.B. (2023 – 26)

Jagran Lakecity University

Bhopal, M.P.

ABSTRACT

This research delves into the comparative analysis of tax system effectiveness in developed and developing countries, examining their efficiency, fairness, and ability to generate revenue. The paper highlights the institutional, administrative, and economic factors that explain why these systems differ. It also provides suggestions for strengthening tax structures, making compliance smoother, and improving revenue performance in developing nations. The approach remains simple, relatable, and grounded in real-world observations. Tax systems form the foundation of a nation's economic strength, yet their effectiveness varies widely across the world. Developed countries generally maintain higher tax-to-GDP ratios, efficient administrative structures, and stronger taxpayer compliance, allowing them to invest heavily in public welfare and infrastructure. In contrast, developing nations often struggle with limited administrative capacity, large informal sectors, and heavy dependence on indirect taxation. These issues weaken revenue mobilization and restrict the government's ability to meet developmental needs. The study also explores why these differences persist and highlights practical reforms that developing countries can adopt to strengthen their tax systems. By using simplified explanations and accessible language, the paper aims to offer a clear understanding of global tax disparities and present meaningful suggestions for improving revenue performance in emerging economies.

KEYWORDS

Tax Compliance, Tax Reforms, Developing Countries, Developed Countries, Tax System Effectiveness, Comparative Analysis.

STATEMENT OF THE PROBLEM

Despite the essential role of taxes, developing countries consistently face challenges such as low tax-to-GDP ratios, high levels of informality, weak enforcement, and limited administrative capacity. These gaps restrict their ability to fund welfare programs and developmental needs. There is a need to analyze why these differences exist and how developing economies can bridge the gap in tax system effectiveness.

OBJECTIVES OF THE STUDY

The primary objectives of this study include:

- To compare the effectiveness of tax systems in developed and developing countries.
- To identify the main challenges affecting tax performance in developing economies.
- To examine the role of administrative capacity, tax structure, and compliance.
- To recommend measures for strengthening tax systems in developing countries.

INTRODUCTION

Tax is a mandatory contribution to state revenue that the Indian government levies on worker income and corporate gains, as well as added to the cost of certain transactions, commodities, and services. The government collects taxes on citizens to generate revenue for business ventures that would improve the country's economy and raise citizens' living standards.

It is one of the most essential tools through which governments function, deliver services, and support the overall well-being of society. A well-designed tax system not only generates revenue but also shapes economic growth, reduces inequality, and strengthens public trust in governance. However, the performance and effectiveness of tax systems differ significantly between developed and developing countries. While developed nations typically enjoy stronger institutional frameworks, advanced digital tax mechanisms, and higher levels of voluntary compliance, developing countries face persistent challenges such as administrative limitations, widespread informality, and reduced taxpayer confidence.

These differences create a noticeable gap in revenue outcomes and the ability of nations to fund development priorities. Developed countries often rely on progressive taxes and efficient enforcement systems, allowing them to maintain stable tax-to-GDP ratios. In contrast, developing nations continue to depend heavily on indirect taxes, which are easier to collect but often inequitable. Understanding the factors that influence tax effectiveness across these two groups of countries is crucial, especially as nations worldwide seek sustainable ways to strengthen public finance systems.

This study aims to explore these variations through a comparative lens, focusing on administrative capacity, tax structure, compliance behavior, and institutional strength. The introduction sets the foundation for analyzing why certain countries succeed in mobilizing revenue effectively and how developing countries can adopt realistic, practical measures to enhance their tax systems.

In our country, the government's right to levy taxes is derived from the Indian Constitution, which grants the State and Central governments equal jurisdiction to impose taxes. Income tax in India is governed by Entry 82 of the Union List of the Seventh Schedule to the Constitution of India, empowering the central government to tax non-agricultural income; agricultural income. The income-tax law consists of the 1961 act, Income Tax Rules 1962, Notifications and Circulars issued by the Central Board of Direct Taxes (CBDT), annual Finance Acts, and judicial pronouncements by the Supreme and high courts of India.

LITERATURE REVIEW

The effectiveness of tax systems has been widely discussed in global economic research, with scholars, international organizations, and policy institutions emphasizing the crucial connection between taxation, development, and governance. Literature consistently highlights that an effective tax system is not defined merely by the amount of revenue collected but also by its fairness, simplicity, administrative efficiency, and ability to support long-term economic growth.

- **Tax System Effectiveness**

Tax system effectiveness, a key aspect of good governance, continues to attract attention because of its crucial role in supporting economic growth and societal well-being. Scholars have noted that an effective tax system is not just about collecting revenue, but also about fairness, simplicity, and administrative efficiency. As noted by Bird and Tait (2009), the ability of a tax system to generate sufficient revenue remains a critical determinant of fiscal sustainability and macroeconomic stability. Furthermore, empirical evidence suggests that variations in revenue adequacy across countries are influenced by factors such as tax structure, compliance levels, economic growth rates, and governance quality. Generating enough revenue to fund government operations is essential for macroeconomic stability, and the ability to do so varies across countries depending on tax structure, compliance, economic growth, and governance quality. Recent studies show that improving administration through digital tools and data analytics helps governments detect evasion, streamline processes, and provide better services to taxpayers. Building capacity and reforming institutions are also important, especially in developing countries. Equitable taxation is another focus, ensuring that tax policies fairly distribute the tax burden and reduce income inequality. Simplicity and transparency in rules foster trust and encourage compliance. International standards like automatic exchange of information and country-by-country reporting have also strengthened global tax transparency and reduced opportunities for evasion. By combining these perspectives, research highlights ways to create tax systems that are resilient, fair, and supportive of inclusive development.

- **Taxation in Developed Countries**

Research on taxation in developed countries continues to evolve, shedding light on various aspects of mature tax systems and their impact on economic performance and societal well-being. In developed countries, tax systems are generally mature and well-structured. They rely more on direct taxes, such as personal income tax and corporate tax, which are designed to be progressive and reduce inequality. Studies show that progressive taxation helps promote social equity, while careful use of deductions and tax expenditures can influence wealth distribution. Developed nations also use taxes to address societal challenges like climate change, through environmental taxes, or healthcare, through social insurance contributions. Technology and globalization have created new challenges, as digital business models and e-commerce complicate traditional tax collection. Scholars suggest international cooperation and regulatory reforms to ensure companies pay their fair share, while maintaining economic competitiveness. Moreover, research has examined the impact of corporate tax reforms and tax incentives on investment decisions and economic growth, highlighting the importance of balancing competitiveness with revenue objectives. Research highlights that effective tax policy in developed countries balances revenue needs, fairness, and economic growth. By integrating multidisciplinary perspectives and leveraging empirical evidence, scholars have contributed to the ongoing discourse on tax reform agendas and fiscal governance in advanced economies.

- **Taxation in Developing Countries**

Research on taxation in developing countries continues to illuminate the unique challenges and opportunities confronting emerging tax systems, as well as the critical role of tax policy and administration in driving sustainable development. Developing countries face unique challenges in building effective tax systems. A large portion of the economy often operates informally, which makes it harder to collect taxes and ensure compliance. Weak institutions, complex regulations, and limited enforcement further reduce revenue mobilization. Researchers have highlighted the pervasive nature of informal economic activities and their impact on tax compliance and revenue collection efforts. Moreover, empirical evidence suggests that informal sectors often thrive in contexts characterized by weak institutional capacity, limited enforcement mechanisms, and regulatory complexities, posing significant challenges for tax authorities. Additionally, international factors like tax competition and offshore tax havens can drain

resources from developing nations. Research emphasizes that reform in these countries should focus on simplifying tax rules, broadening the tax base, and using technology to improve administration. Educating taxpayers and offering compliance incentives also boost revenue collection. Comparative studies show that countries like Rwanda, Ghana, and Ethiopia have successfully improved compliance and governance through comprehensive reforms. The overall message from research is that developing nations can strengthen fiscal capacity by learning from both local experiences and global best practices, combining practical reforms with institutional development. By integrating multidisciplinary perspectives and leveraging empirical evidence, scholars have contributed to the ongoing discourse on tax reform agendas and development priorities in the Global South.

RESEARCH GAP

Although many studies discuss taxation, most of them look at developed and developing countries separately, without comparing how their tax systems actually perform in real life. Existing research mainly focuses on numbers like tax-to-GDP ratios but rarely examines important factors such as administrative capacity, public trust, digital systems, and taxpayer experience.

There is also limited work explaining why the same tax policies work smoothly in developed countries but struggle in developing ones. Because of this, a clear understanding of the practical effectiveness of tax systems across different economic conditions is still missing. This study aims to fill that gap by offering a balanced and realistic comparison of both groups of countries.

HYPOTHESIS

Tax systems in developed countries are more effective due to stronger administrative capacity, higher tax compliance, and better digital infrastructure.

RESEARCH QUESTIONS

- How does the effectiveness of tax systems differ between developed and developing countries?
- What factors—such as administration, compliance, digitalization, and public trust—contribute to these differences?
- Why do similar tax policies work well in developed countries but face challenges in developing countries?
- What improvements can developing countries adopt from the practices of developed tax systems?

RESEARCH METHODOLOGY

This study is qualitative in nature and based on secondary data. It relies on comparative analysis using tax reports, government publications, IMF and World Bank databases, and OECD revenue statistics. The analysis includes interpretation of tax-to-GDP ratios, tax structures, administrative indicators, and compliance trends across economies.

RESULTS AND DISCUSSION

The findings of this comparative study reveal clear differences in how tax systems function in developed and developing countries. These differences are shaped not only by economic capacity but also by institutional strength, administrative efficiency, social trust, and the maturity of digital infrastructures.

- **Dimensions of Tax System Effectiveness**

The analysis shows that tax system effectiveness is shaped by several interconnected dimensions, each of which influences how well a country can design, implement, and sustain its tax policies. These key dimensions include revenue adequacy, administrative efficiency, equity, simplicity, and transparency. In developed countries, these elements are generally stronger and more consistent, supported by mature institutions, stable governance, and advanced technology. Developing countries, however, often face structural and institutional constraints that make it harder to achieve the same level of performance.

The first dimension **revenue adequacy** refers to the ability of a tax system to generate enough resources to meet public needs without placing an excessive burden on taxpayers. Developed countries usually perform well in this area because they have broader tax bases, better enforcement, and more reliable revenue collection systems. Their administrative frameworks help ensure stable income for public spending. In contrast, many developing countries struggle to raise sufficient revenue due to the large size of the informal sector, limited administrative capacity, and frequent tax evasion. These issues make it difficult for governments to consistently finance essential services.

The second dimension **administrative efficiency** focuses on how effectively taxes are collected and managed. Developed countries benefit from modern technology, well-trained staff, and streamlined systems that make tax collection faster and more accurate. These advancements help improve compliance and reduce both errors and costs.

Developing countries, on the other hand, often encounter challenges such as outdated systems, resource shortages, bureaucratic delays, and corruption. These obstacles weaken tax administration and make it harder to ensure fair and timely collection.

The third dimension **equity** examines whether the tax burden is shared fairly, based on individuals' ability to pay. Developed countries generally follow progressive tax structures, ensuring that higher-income groups contribute a greater share. This approach helps reduce inequality and support social welfare programs. Developing countries frequently rely more on indirect taxes, such as GST or VAT, which can disproportionately affect low-income households. Limited administrative capacity and large informal sectors also make it difficult to implement and enforce progressive taxation.

The fourth dimension **simplicity** relates to how easy it is for taxpayers to understand and comply with tax rules. Many developed countries strive to keep their tax systems clear and predictable, which helps reduce errors and improve voluntary compliance. Simple procedures also lessen the administrative burden on both taxpayers and authorities. Developing countries, in contrast, often have complex regulations and frequent policy changes, which can confuse taxpayers and discourage compliance. Complicated rules provide opportunities for evasion and make enforcement more difficult.

The final dimension **transparency** reflects how open and accessible tax processes and information are. In developed countries, transparency is considered essential for building trust between citizens and the government. When taxpayers feel informed and believe their contributions are used responsibly, compliance tends to improve. Developing countries often face issues such as limited public access to tax-related information, unclear procedures, and low accountability, all of which weaken trust and reduce willingness to pay taxes.

Overall, the findings highlight the diverse and multi-layered nature of tax system effectiveness. Developed countries generally have stronger foundations, benefiting from institutional stability, advanced technology, and established compliance cultures. Developing countries face more significant barriers, shaped by informal economies, weaker institutions, and governance challenges. Bridging this gap requires long-term reforms, investment in administrative capacity, simpler laws, improved transparency, and stronger international cooperation. By addressing these areas, countries can work toward building tax systems that are fair, efficient, and capable of supporting sustainable development.

- **Determinants of Tax Compliance Behavior**

The analysis shows that tax compliance is shaped by a mix of personal attitudes, government actions, and social expectations. At the center of this is tax morale, which refers to a person's willingness to pay taxes simply because they believe it is the right

thing to do. In many developed countries, tax morale is generally strong. People tend to trust public institutions, view the tax system as fair, and grow up in environments where paying taxes is seen as a normal and responsible part of citizenship. This combination of trust, fairness, and a sense of civic duty encourages voluntary compliance and reduces the need for aggressive enforcement.

Alongside strong tax morale, developed countries rely heavily on effective enforcement systems. These include advanced tools such as risk-based audits, digital tracking, and the use of big data to identify inconsistencies and potential non-compliance. Because tax authorities in these countries have the resources, skills, and technology needed to monitor taxpayers, the likelihood of evasion being detected is high. This acts as a deterrent and encourages people to be honest about their finances. Public education efforts also support compliance. When taxpayers feel informed and supported, they are far more likely to meet their responsibilities without resistance.

Social expectations also matter. In many developed nations, there is a strong social norm that paying taxes is part of being a responsible member of society. People are influenced by what they see around them; if their peers and communities take taxes seriously, they are more likely to follow suit. This shared sense of responsibility helps maintain a culture of compliance and reduces the overall level of evasion.

The situation looks quite different in developing countries, where tax authorities face deeper and more persistent challenges. Tax morale tends to be lower, often because people feel that tax money is not used effectively or fairly. Concerns about corruption, waste, and unequal treatment weaken people's willingness to comply. The dominance of informal and cash-based economies further complicates things; many workers and small businesses operate outside the formal tax system, making it harder for authorities to track income and enforce rules. Without reliable data and a clear paper trail, even well-intentioned tax officials struggle to ensure compliance.

Weak enforcement capacity is another major hurdle. Many developing countries lack the technology, skilled personnel, and financial resources needed to conduct audits, analyze data, and detect fraud. This allows evasion to go unchecked, which in turn sends a signal to others that paying taxes is optional. High levels of evasion reduce government revenue, limiting the state's ability to invest in services reinforcing the cycle of distrust and low tax morale.

To improve this situation, developing countries need tailored, practical solutions. Strengthening digital infrastructure, improving data collection, and adopting risk-based enforcement strategies can help tax authorities work more efficiently. Expanding cooperation with international organizations can also help address issues like cross-border tax evasion and illicit financial flows. Equally important is investing in taxpayer education that reflects local realities, simple, clear messaging that helps people understand their responsibilities and shows how tax money is used. When people feel informed, respected, and confident that their contributions matter, compliance improves naturally.

Overall, the comparison makes it clear that tax compliance is influenced by a complex mix of trust, enforcement, and social norms, and these factors vary widely across countries. For policymakers, the lesson is that there is no one-size-fits-all solution. Each country must design strategies that reflect its economic structure, cultural context, and administrative strengths. By doing so, governments can build stronger, more equitable, and more sustainable tax systems.

- **Comparative Effectiveness of Tax Instruments**

The effectiveness of tax instruments differs greatly between developed and developing countries, and this variation largely stems from differences in economic structures, institutional strength, and broader social and political realities. In high-income nations, progressive income tax is a central pillar of the fiscal system. These countries typically possess strong administrative frameworks that allow them to impose higher tax rates on wealthier individuals, use revenue to fund healthcare, education, and welfare programs and ultimately reduce inequalities. Over time, evidence has shown that such systems help create more balanced societies where government spending supports social mobility and overall well-being.

In developing countries, however, this ideal version of progressive taxation is difficult to achieve. A major obstacle is the size of the informal sector, where economic activities are often unrecorded and untaxed. As a result, significant income escapes the tax net, limiting government revenue and weakening the impact of progressive tax policies. Compounding this issue are administrative weaknesses such as corruption, limited technological capacity, and gaps in enforcement which make it challenging for tax authorities to accurately identify taxpayers and ensure compliance.

Because of these challenges, many developing countries rely heavily on consumption-based taxes like the Value Added Tax (VAT). VAT is relatively easier to administer and captures revenue at multiple stages of production and sale, making it a dependable source of income for governments across both developed and developing regions. Despite its efficiency, VAT comes with equity concerns. It tends to be regressive because lower-income households spend a larger share of their earnings on consumption, meaning they bear a heavier relative burden of the tax.

In wealthier countries, this regressive effect is often reduced by exempting basic necessities, zero-rating essential items, or supporting low-income families through targeted welfare transfers. Such measures ensure that consumption taxes do not worsen inequality. In contrast, many developing nations struggle to implement similar safeguards. As a result, VAT can intensify existing disparities, placing additional pressure on households already dealing with limited income, rising prices, and unstable informal employment.

Another challenge for developing countries is that VAT does not adequately reach the informal economy, which remains largely outside the tax system. This creates an uneven tax burden: businesses and workers in the formal sector pay taxes consistently, while informal operators benefit from public services without contributing to their cost.

To improve the effectiveness of tax instruments, developing countries need a comprehensive and balanced reform strategy. Enhancing administrative capacity through digital tax systems, stronger enforcement, and reduced bureaucratic corruption is essential for widening the tax base. Increasing the progressivity of the tax system, promoting financial inclusion, and investing in education and social protection can also ease the burden on vulnerable groups. By strengthening institutions and designing policies that reflect the realities of their economies, developing countries can move toward more equitable and sustainable tax systems.

- **Reform Trajectories and Policy Implications**

Experiences from countries such as Rwanda, Ghana, and Ethiopia provide valuable insights into how developing nations can improve their tax systems and strengthen revenue generation. These countries have taken deliberate steps to modernize their tax structures, expand their tax bases, and enhance the capacity of their tax administrations all with the broader goal of promoting long-term economic stability and sustainable development. Their reform journeys highlight practical strategies that other nations can adapt to their own contexts.

A common theme across these reform efforts is the importance of simplifying tax rules. When tax laws are easier to understand and processes are less complicated, people are more likely to comply. Rwanda is often highlighted as a strong example: it introduced series of reforms aimed at cutting unnecessary procedures, rationalizing tax rates, and streamlining administrative requirements. These changes reduced compliance burdens on taxpayers and made it easier for tax officials to manage the system effectively, which ultimately boosted revenue performance.

Another important strategy is widening the tax base so that more sectors and individuals contribute to national revenue. Ghana has made notable progress in this area by bringing previously untaxed or under-taxed sectors such as the informal economy and digital services into the tax net. By diversifying its sources of revenue, Ghana increased fiscal stability and reduced its dependence on sectors vulnerable to economic fluctuations.

Strengthening the capacity of tax administrations is also crucial. Ethiopia's reforms demonstrate this clearly. The country invested in training tax officers, updating administrative systems, and adopting more efficient institutional practices. These efforts

contributed to better compliance rates, reduced opportunities for tax evasion, and a more consistent enforcement system.

Technology has also become a powerful tool for modernizing tax administration. Rwanda's shift to electronic filing and digital payment systems illustrates how digitalization can reduce corruption, improve transparency, and make tax processes more convenient for citizens. Digital tools also give government better access to real-time data, helping them make informed decisions about tax policy and enforcement.

Another important aspect of tax reform is international cooperation. Challenges such as offshore tax evasion, profit shifting, and illicit financial flows cannot be solved by any one country alone. Ghana's participation in global tax transparency initiatives highlights the value of working with international partners to strengthen tax governance and create fairer global tax practices.

Overall, the reform experiences of Rwanda, Ghana, and Ethiopia show that meaningful progress is possible when countries simplify their tax systems, expand their revenue base, strengthen administrative capacity, embrace digital tools, and engage in international cooperation. These lessons provide a roadmap for other developing nations seeking to build more efficient, equitable, and resilient tax systems. Looking ahead, it is essential for policymakers to adapt these strategies to their own national realities, remain open to learning from global best practices, and continue building strong partnerships that support long-term fiscal stability and inclusive growth.

- **Directions for Future Research**

As tax systems continue to evolve in response to new global realities, future research needs to explore emerging themes that are reshaping the way countries design and manage their tax policies. One key area that deserves deeper attention is the growing influence of digitalization. With technology rapidly transforming business operations and personal financial behavior, tax authorities are facing new challenges in tracking transactions, ensuring compliance, and preventing revenue leakage. Future studies could examine how digital tools such as electronic invoicing, data analytics, AI-driven audits, and digital payment systems can support smarter policy design, strengthen enforcement, and improve administrative efficiency across both developed and developing countries.

Globalization is another powerful force affecting tax systems worldwide. As capital, goods move more freely across borders, opportunities for tax avoidance, evasion, and aggressive tax planning have increased. Researchers can explore how cross-border trade agreements, tax treaties, and global investment patterns influence national tax policies. There is also a growing need to study the effectiveness of international cooperation efforts such as information-sharing frameworks, anti-base erosion initiatives, and global transparency reforms to understand whether they genuinely help countries protect their tax base in an interconnected world.

Another promising area for future inquiry is environmental taxation. With climate change and ecological degradation becoming urgent concerns, governments are turning to tools like carbon taxes, pollution charges, and green subsidies to incentivize cleaner behavior. Future research could compare the effectiveness of these instruments in different country contexts, examine how environmental taxes influence economic behavior, and explore ways to make such policies socially fair especially for low-income households that may bear the toughest burden.

Beyond specific themes, researchers should also study how institutional reforms and targeted policy measures affect tax system performance. This includes evaluating the impact of tax incentives, compliance-boosting programs, anti-corruption reforms, and public awareness initiatives on revenue mobilization, economic development, and taxpayer behavior. Understanding how legal structures, administrative processes, and governance quality influence tax outcomes can help countries design more resilient and responsive tax systems.

A more holistic approach one that brings together economics, law, political science, public administration, and sociology will be essential for capturing the full complexity of modern tax systems. Interdisciplinary research can provide deeper insights into how social norms, political dynamics, economic structures, and institutional capacities interact to shape policy outcomes. It can also support better dialogue and collaboration among government, academics, civil society, and the private sector, encouraging more inclusive and evidence-based policymaking.

In summary, future research on tax system effectiveness must be multidimensional, interdisciplinary, and forward-looking. By exploring emerging issues such as digitalization, globalization, and environmental taxation, and by studying the outcomes of reforms and policy interventions, researchers can generate practical knowledge that helps countries strengthen their fiscal systems. Such work will contribute to more equitable, transparent, and sustainable tax governance across the world.

CONCLUSION

In conclusion, this study underscores that tax system effectiveness in both developed and developing countries is shaped by a complex interaction of economic structures, institutional capacities, technological advancements, and socio-political environments. Comparative analysis reveals that while developed countries generally benefit from mature institutions, advanced digital infrastructures, and higher levels of tax morale, developing countries continue to face persistent challenges such as administrative inefficiencies, widespread informality, and limited enforcement capabilities. These findings reaffirm the significance of integrating economic, social, political, and technological perspectives when evaluating tax policy performance and compliance behavior, as highlighted in various theoretical frameworks.

The implications of the study extend meaningfully to policy and administrative practice. For policymakers, the results emphasize the necessity of context-specific tax reform strategies that account for local institutional capacity, governance quality, and taxpayer behavior. Strengthening administrative efficiency, simplifying tax procedures, and leveraging digital tools can substantially enhance compliance and transparency. Furthermore, participation in international cooperation mechanisms offers developing countries additional support in addressing cross-border tax issues, enhancing information exchange, and curbing tax evasion.

From a wider developmental perspective, effective and equitable tax systems constitute a foundational pillar for fiscal sustainability, inclusive growth, and social welfare enhancement. Fair and efficient revenue mobilization not only improves public service delivery but also contributes to reducing socioeconomic inequalities and promoting long-term stability. Thus, investment in capacity-building, institutional strengthening, and evidence-based tax policy design remains essential for countries seeking to advance their development objectives.

Overall, this study contributes to a broader understanding of the dynamics shaping tax system effectiveness in a rapidly evolving global landscape. Continued interdisciplinary research and collaborative policy dialogue will be crucial for addressing emerging challenges such as digitalization, globalization, and environmental taxation. By integrating comparative insights with adaptive policy innovation, stakeholders can work toward building tax systems that are more resilient, transparent, equitable, and development-oriented across both developed and developing economies.

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