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# CONTENTS

FINANCING OF SMALL BUSINESSES THROUGH INVESTMENT LOANS BY COMMERCIAL BANKS.....	15
<b>Yangiboyev F.B.</b>	
INTEGRATION OF THE TRANSPORT SECTOR INTO THE GREEN ECONOMY AND IMPACT ON SUSTAINABLE DEVELOPMENT: ECOLOGICAL TRANSFORMATION AND INNOVATIVE SOLUTIONS .....	20
<b>Narziyev Umidjon Bakhriylayevich</b>	
FOREIGN EXPERIENCE IN INCREASING THE INVESTMENT ACTIVITY OF JOINT-STOCK COMPANIES .....	24
<b>Begamov. S.X.</b>	
AN ENHANCED FINANCING MODEL FOR STARTUP PROJECTS IN HIGHER EDUCATION INSTITUTIONS OF UZBEKISTAN .....	27
<b>Kasimova Nargiza Sabitdjanovna</b>	
STRATEGIES FOR ENHANCING INVESTMENT POTENTIAL.....	32
<b>Tillayeva Barno Ramizitdinovna</b>	
THE IMPORTANCE OF USING ARTIFICIAL INTELLIGENCE IN HOTEL MANAGEMENT.....	36
<b>Husenova Madina Farkhodovna</b>	
MARKETPLACES AND ECONOMIC SECURITY IN UZBEKISTAN: RISKS AND REGULATION .....	42
<b>Umarkhodjayeva Zaynabkhon Nodirkhonovna</b>	
TECHNOLOGICAL STRENGTH AND PROPERTIES OF METAL OF AUSTENITIC JOINTS DURING WELDING WITH VARIOUS FLUXES.....	47
<b>Khudoykulov Nurilla Zikirillaevich, Khudoyorov Sardor Sadullaevich</b>	
MODERN SYSTEMS OF PRODUCT COST CALCULATION: METHODOLOGICAL FOUNDATIONS AND DIRECTIONS OF PRACTICAL TRANSFORMATION .....	51
<b>Abdumalik Abdiraximovich Tulyaganov</b>	
SUPPORTING ECONOMIC EXPANSION AND MAXIMIZING PRODUCTION EFFICIENCY WITHIN A MARKET ECONOMY.....	56
<b>Aytmuratov Qutlimurat Jalgasovich</b>	
SUCCESS FACTORS OF DIFFERENTIATION STRATEGY IN A MARKET ECONOMY.....	62
<b>Sodiqov Miraxror Abbos ugli</b>	
THE “MISSING MIDDLE” PROBLEM IN SOCIAL PROTECTION SYSTEMS AND MECHANISMS FOR ADDRESSING IT .....	67
<b>Farrukh Juraqulovich Bafoev</b>	
IMPROVING POPULATION INVESTMENT ACTIVITY THROUGH THE DEVELOPMENT OF BANK BROKERAGE SERVICES AND FINANCIAL LITERACY IN FORMING A SECURITIES PORTFOLIO IN THE KHOREZM REGION .....	72
<b>Bakhtiyorov Khudaybergan Hamdam ugli</b>	
DEVELOPMENT OF THE SERVICE SECTOR AND ITS IMPACT ON POVERTY REDUCTION.....	79
<b>Dauletmuratov Adilbay Mirzabaeovich</b>	
THE ROLE AND IMPORTANCE OF A SYNERGETIC APPROACH IN DEVELOPING THE MANAGEMENT SKILLS OF SCHOOL DIRECTORS.....	84
<b>Yusupova Dilnoza Fayzullayevna</b>	
REGIONAL INNOVATION DEVELOPMENT INDICATORS AND THEIR EVALUATION SYSTEM .....	89
<b>Xamrayev Quvvat Iskandarovich</b>	
GADGETS AND VALUES: HOW DOES THE VIRTUAL WORLD IMPACT THE EDUCATION OF YOUTH? .....	97
<b>Makhmudova Sohiba Ravshan kizi, Mirzaliyev Sanjar Makhamatjon ugli</b>	
WAYS TO IMPROVE SERVICE QUALITY AND SAFETY IN THE HOSPITALITY INDUSTRY THROUGH DIGITAL TECHNOLOGIES .....	101
<b>Musayeva Shoira Azimovna</b>	
DIRECTIONS FOR INCREASING HOUSEHOLD INCOMES BASED ON FOREIGN EXPERIENCE.....	104
<b>Eshbaeva Shahnoza Faxriddinovna</b>	

IMPROVING METHODS FOR DETECTING FRAUD CASES IN CURRENT ASSET AUDITS.....	108
<b>Mavlyanova Dilobar Makhkamovna</b>	
GLOBAL TRENDS IN WORLD MARKETS AND THEIR IMPACT ON THE DEVELOPMENT OF INTERNATIONAL TRADE .....	113
<b>Meliqulov Abduhalil Norinovich</b>	
THEORETICAL ASPECTS OF FORMING AND APPLYING THE INTEGRATION MECHANISM OF SMALL BUSINESS .....	119
<b>Rustambek Ibragimovich Israilov</b>	
THE IMPORTANCE OF USING PERFORMANCE INDICATORS IN IMPROVING ROAD MANAGEMENT METHODS.....	125
<b>Sirojiddin Yadgarov</b>	
WAYS TO IMPROVE BANKING EFFICIENCY IN THE CONDITIONS OF TRANSFORMATION.....	131
<b>Babakhanova Dildora Rustamovna</b>	
THE ROLE OF PROGRAM-BASED BUDGETING MECHANISMS IN ENSURING STATE FINANCIAL SECURITY .....	137
<b>Abduganiyev Uchkun Khabibulla ugli</b>	
ANALYSIS OF THE IMPACT OF PUBLIC FINANCIAL MANAGEMENT EFFICIENCY ON SOCIAL JUSTICE THROUGH PEFA AND CEQ METHODOLOGIES.....	143
<b>Zokirjonov Muhammadsodiq Ravshanbek ugli</b>	
MANAGERIAL MECHANISMS OF CORPORATE HYBRID BUSINESS MODELS: FINTECH INTEGRATION IN E-PAYMENT SYSTEMS OF UZBEKISTAN .....	151
<b>Mokhirakhon Abdullaeva</b>	
TOKENIZATION OF REAL SECTOR ASSETS AND DEEPENING OF CAPITAL MARKETS: A NEW FINANCIAL ARCHITECTURE FOR EMERGING ECONOMIES .....	156
<b>Oybek Qo'shboqov</b>	
TECHNOLOGIES OF ARTIFICIAL INTELLIGENCE IN OPTICAL COMMUNICATION AND THEIR INTEGRATION INTO INTELLIGENT TUTORING SYSTEMS.....	162
<b>Maxamadov Rustam Xabibullayevich, Djamatov Mustafa Xatamovich</b>	
APPROACHES TO ENHANCING THE EFFECTIVENESS OF GOVERNMENT SUPPORT FOR SMALL BUSINESSES IN THE REGION .....	169
<b>Madraimova Marxamat Raximberganovna</b>	
INNOVATIVE WAYS TO INCREASE THE INVESTMENT CAPACITY OF REGIONS BASED ON DIGITAL TECHNOLOGIES.....	174
<b>Qabilov Anvar Eshpulatovich</b>	
TAXATION OF AGRICULTURAL ENTERPRISES AND THE ORGANIZATION OF THEIR ACCOUNTING SYSTEMS.....	179
<b>Abdullayev Abdurauf</b>	
DEVELOPMENT PROSPECTS OF THE VEGETABLE FARMING SECTOR IN THE REPUBLIC OF UZBEKISTAN .....	183
<b>Sobir Xasanov</b>	
AI FOR TEACHING ENGLISH AS A FOREIGN LANGUAGE TO UNIVERSITY STUDENTS.....	191
<b>Nurzhanova Zhainash, Rajapova Guldon</b>	
REVIEW OF THERMAL STRENGTHENING METHODS FOR ROLLING ROLLS MADE OF ALLOY STEELS USED IN THE PRODUCTION OF SEAMLESS PIPES .....	198
<b>Saydumarov Botir Muradovich, Xasanov Kamoliddin Akmal o'g'li, Ergashev Davron Ortiq o'g'li, Saydumarov Botir Muradovich</b>	
IMPROVING THE METHODOLOGY OF STRATEGIC MANAGEMENT IN ENHANCING THE COUNTRY'S INTERNATIONAL IMAGE: IN THE EXAMPLE OF SOUTH KOREA.....	203
<b>Kurolov Maksud Obitovich</b>	
SOCIO-ECONOMIC DEVELOPMENT OF TASHKENT CITY: TRENDS AND KEY INDICATORS.....	212
<b>Karimova Shirin Zokhid qizi</b>	
PSYCHOLOGICAL FACTORS INFLUENCING PROCRASTINATION AMONG GENERATION Z UNIVERSITY STUDENTS.....	216
<b>Abdukaxxorova Durdona, Qadamova Rayhona, Muhammadova Shaxzoda, Salimov Ozodbek, Hojiyeva Iroda Avezovna</b>	

IMPROVING THE MANAGEMENT SYSTEM OF PRIVATE SCHOOLS BASED ON INNOVATIVE TECHNOLOGIES.....	222
<b>Shohida Esanova</b>	
ASSESSMENT OF TECHNICAL EFFICIENCY IN CENTRAL ASIAN TELECOMMUNICATION OPERATORS USING THE DEA-CCR MODEL: THE EXPERIENCE OF UZBEKTELEKOM AK .....	230
<b>Salimova Husniya Rustamovna</b>	
DETERMINANTS OF MUTUAL TRADE BETWEEN THE REPUBLIC OF UZBEKISTAN AND THE CIS COUNTRIES .....	235
<b>Munisa Turdibaeva</b>	
INTERNAL CONTROL SYSTEM IN THE DIGITAL ECONOMY: PROBLEMS AND SOLUTIONS.....	241
<b>Mekhmonaliev Ulugbek Erkinjon ugli</b>	
PROSPECTS FOR ENSURING SUSTAINABLE GROWTH IN INDUSTRIAL ENTERPRISES THROUGH THE USE OF GREEN TECHNOLOGIES .....	248
<b>Abbosbek Jurayev</b>	
COMPLIANCE OF BANKING AI SYSTEMS WITH EU AI ACT REQUIREMENTS AND THEIR ROLE ..... IN RISK MANAGEMENT	253
<b>Usmonov Faridun F., Zainalov Zh.R.</b>	
A MODEL FOR DETECTING URBAN INFRASTRUCTURE PROBLEMS IN CITIZENS' APPEALS BASED ON GEOLOCATION FEATURES .....	258
<b>Mallayev Oybek Usmankulovich, Gazatov Jamoliddin Abduvoidovich, Aliyev Jaloliddin Kokand oglu</b>	
DETERMINATION OF THE INFORMATIVENESS OF INPUT PRINTS USING THE MULTI-CRITERIA DISPERSION METHOD .....	264
<b>Turapov Ulugbek Urazkulovich, Akulbayev Musabek Islamovich, Dzhantayeva Sholpan Kalmakhanovna, Madalievna Gul'nar Urazalievna</b>	
ANALYSIS OF MACROECONOMIC INDICATORS OF RECREATIONAL TOURISM DEVELOPMENT IN UZBEKISTAN .....	269
<b>Polatova Mavluda Sanjar qizi</b>	
OPTIMIZATION OF MANAGEMENT PROCESSES OF TOURISM INDUSTRIES THROUGH DIGITAL TRANSFORMATION AND INNOVATIVE TECHNOLOGIES.....	273
<b>Saidova Dilfuza Abdufattohovna</b>	
MODERNIZING AUDIT PLANNING STRATEGIES IN EMERGING ECONOMIES: CHALLENGES AND SOLUTIONS FOR ISA IMPLEMENTATION IN UZBEKISTAN .....	280
<b>Saidova Sevarakhon Abdumumin kizi</b>	
INTERNATIONAL EXPERIENCE IN ACCOUNTING FOR LONG-TERM ASSETS AND ITS APPLICATION .....	285
<b>Gozieva Mokhira Rustamovna</b>	
SCIENTIFIC BASIS FOR THE CLASSIFICATION OF TERRITORIES AND THE APPLICATION OF CORRECTION COEFFICIENTS.....	290
<b>Dovutov Fakhridin Javliyevich</b>	
MANAGEMENT OF THE PROCESSING TECHNOLOGY FOR COCOONS MODIFIED USING A NEW COMPOSITION BASED ON STANDARD REQUIREMENTS .....	296
<b>Makhmudov Umidjon Bahodir ugli, Turdialiyev Umid Mukhtaraliyevich, Sulaymonov Sharifjon Abdumanabovich</b>	
STUDY ON THE EFFECT OF THERMOPLASTIC DEFORMATION ON THE MICROSTRUCTURE OF XH56MBK10 ALLOY .....	302
<b>Berdiyev Darob Muratovich, Saydumarov Botir Muradovich, Tashmatov Ravshan Kobilovich, Baxtiyorov Rustam Ravshan o'g'li</b>	
THE IMPORTANCE OF PROMOTING COMPANIES' PARTICIPATION IN THE STOCK MARKET.....	306
<b>Mamatalliev Babur Saidnazar ugli</b>	
EFFECTIVENESS OF THE USE OF FINANCIAL LEVERS IN ATTRACTING FOREIGN INVESTMENTS IN JOINT-STOCK COMPANIES.....	312
<b>Ibragimov Ganijon Gayratovich</b>	
HR STRATEGIES FOR HUMAN CAPITAL DEVELOPMENT IN ORGANIZATIONS .....	316
<b>Zaynutdinova Umida, Kholisakhon Nuriddinova</b>	

LEGAL FOUNDATIONS OF CONDUCTING IPOs BY JOINT-STOCK COMPANIES IN UZBEKISTAN AND WAYS TO IMPROVE THEM: A FORMAL-LEGAL AND COMPARATIVE LEGAL ANALYSIS .....	328
<b>Mamatmurodov Alisher Saparboyevich</b>	
TAX REVENUE REDISTRIBUTION, HARD BUDGET CONSTRAINTS AND LOCAL FISCAL STABILITY IN UZBEKISTAN .....	341
<b>Sharipov Abror Komilovich</b>	
CULTURAL DIFFERENCES AND THE EDUCATION SYSTEM: ANALYSIS OF FACTORS INFLUENCING INSTITUTIONAL CHANGE .....	346
<b>Abdulmajeed Nabeel Azouz</b>	



# CULTURAL DIFFERENCES AND THE EDUCATION SYSTEM: ANALYSIS OF FACTORS INFLUENCING INSTITUTIONAL CHANGE

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**Abstract:** This study examines the role of cultural differences in shaping institutional change within education systems. It analyzes how cultural values, norms, and behavioral patterns influence the design, implementation, and outcomes of educational reforms. The research highlights the interaction between global educational models and local cultural contexts, emphasizing the importance of culturally adaptive approaches. Using comparative and qualitative analysis, the study identifies key cultural factors such as power distance, individualism, communication styles, and attitudes toward innovation. The findings suggest that aligning institutional reforms with cultural characteristics enhances their effectiveness and sustainability.

**Key words:** cultural differences, education system, institutional change, educational reforms, globalization, institutional capacity.

## INTRODUCTION

In the context of accelerating globalization and the growing interconnectedness of societies, education systems are increasingly exposed to diverse cultural influences that shape their structure, content, and institutional dynamics. Institutional change in education is no longer driven solely by economic or technological factors; it is also deeply embedded in cultural contexts that determine values, norms, and behavioral patterns within societies. Cultural differences, therefore, play a critical role in defining how educational reforms are designed, implemented, and sustained across different countries.

The relevance of this study is determined by the fact that many education systems, particularly in developing and transition economies, are undergoing significant institutional transformations aimed at improving quality, accessibility, and competitiveness in the global arena. However, reforms often face resistance or produce uneven outcomes due to the insufficient consideration of cultural factors. Differences in traditions, social expectations, attitudes toward authority, and perceptions of knowledge can either facilitate or hinder the process of institutional change. Ignoring these aspects may lead to policy failures, low reform effectiveness, and institutional instability.

Moreover, the increasing adoption of international models and standards in education—such as competence-based learning, digital transformation, and quality assurance mechanisms—raises the question of their compatibility with local cultural environments. While such models are often perceived as universal solutions, their success largely depends on how well they are adapted to national and regional cultural contexts. This highlights the necessity of a more nuanced, culturally sensitive approach to educational reforms.

This article aims to analyze the role of cultural differences in shaping institutional change within education systems. It focuses on identifying key cultural factors that influence reform processes, examining their impact on institutional development, and exploring the conditions under which cultural diversity becomes a driver rather

than a barrier to change. The study contributes to the broader discourse on education reform by emphasizing the importance of integrating cultural analysis into institutional transformation strategies.

## REVIEW OF LITERATURE ON THE SUBJECT

The issue of institutional change has been extensively studied within the framework of institutional economics, where Douglas C. North emphasizes that institutions evolve through the interaction of formal rules and informal cultural constraints. According to North, cultural norms and values significantly influence the direction and effectiveness of institutional transformation, particularly in complex systems such as education. His approach highlights that sustainable reforms cannot be achieved without aligning formal institutional mechanisms with deeply rooted societal beliefs and behavioral patterns [1].

The role of cultural diversity in shaping education systems is further elaborated by James A. Banks, who argues that educational institutions must reflect the multicultural realities of society. Banks underscores the importance of integrating cultural perspectives into curricula and pedagogical practices, suggesting that culturally responsive education enhances both inclusiveness and learning outcomes. His work demonstrates that cultural differences are not obstacles but resources that can strengthen institutional development when properly incorporated into educational frameworks [2].

From a psychological and sociocultural perspective, Hazel Rose Markus and Alana Conner explore how cultural conflicts shape individual and collective behavior. Their findings reveal that differences in cultural values—such as independence versus interdependence—directly influence attitudes toward education, authority, and institutional change. These cultural orientations determine how individuals respond to reforms, thereby affecting the success or failure of institutional transformation processes [3].

Philip G. Altbach provides a global perspective on higher education, emphasizing the growing impact of globalization on institutional structures. He argues that while international models and standards are increasingly adopted worldwide, their effectiveness depends on their compatibility with local cultural contexts. Altbach highlights that uncritical transfer of foreign models often leads to institutional mismatch and inefficiencies, particularly in developing countries undergoing rapid transformation [4].

In the context of Uzbekistan, Kayumova, Tolipov, and Siyaeva analyze the stages of higher education reform and identify both achievements and persistent challenges. Their study emphasizes the importance of adapting reforms to national cultural and institutional conditions, noting that the success of modernization efforts depends on balancing global standards with local traditions. They also point out that insufficient consideration of cultural factors can lead to partial or inconsistent reform outcomes [5].

The process of internationalization in Uzbekistan's higher education system is examined by O. S. Uralov, who highlights the increasing integration of global educational practices. Uralov argues that while internationalization creates new opportunities for institutional development, it also requires careful cultural adaptation to ensure relevance and sustainability. His research demonstrates that cultural compatibility plays a key role in determining the effectiveness of international educational strategies [6].

Comparative education studies by Arnove and Torres provide a broader analytical framework for understanding the interaction between global and local dynamics. They emphasize that education systems are shaped by both global pressures and local cultural contexts, creating a dialectical relationship between convergence and diversity. Their work suggests that successful institutional change requires a balance between adopting global innovations and preserving cultural identity [7].

The influence of institutional culture on change strategies is further explored by Kezar and Eckel, who argue that internal cultural dynamics within educational institutions significantly affect reform implementation. They identify organizational culture as a critical factor that determines whether institutions are capable of adapting to change or resistant to it. Their findings highlight the importance of aligning reform strategies with institutional culture to ensure effectiveness and sustainability [8].

B. R. Clark's analysis of higher education institutions focuses on their unique organizational identities and cultural characteristics. He demonstrates that institutional distinctiveness, shaped by historical and cultural factors, plays a crucial role in determining how institutions respond to external pressures and reforms. Clark's work suggests that institutional change must consider these unique cultural features to avoid homogenization and loss of identity [9].

Finally, Vaira examines the impact of globalization on organizational change in higher education, emphasizing the growing complexity of institutional transformation processes. He argues that globalization introduces both opportunities and challenges, requiring institutions to navigate between global expectations and local cultural realities. Vaira highlights that cultural adaptation is essential for ensuring the effectiveness of organizational changes in a globalized educational environment [10].

Overall, the reviewed literature consistently demonstrates that cultural factors are integral to understanding institutional change in education systems. Scholars emphasize that successful reforms require not only structural and policy adjustments but also deep alignment with cultural values, norms, and institutional identities. The interaction between global influences and local cultural contexts emerges as a central theme, highlighting the necessity of culturally responsive approaches to educational transformation.

## RESEARCH METHODOLOGY

The research methodology is based on a combination of qualitative and comparative approaches to ensure a comprehensive analysis of cultural factors influencing institutional change in education systems. Data were collected from secondary sources, including international reports (UNESCO, World Bank), peer-reviewed academic articles, and national policy documents related to education reforms. Additionally, statistical indicators reflecting educational performance and institutional development were obtained from open-access databases. To enrich the analysis, selected case studies of countries with distinct cultural contexts were examined. The collected data were analyzed using comparative analysis to identify similarities and differences across educational systems, as well as content analysis to interpret policy documents and scholarly literature. Furthermore, a systemic approach was applied to understand the interaction between cultural variables and institutional structures. This methodological framework allows for the identification of key patterns and relationships, ensuring a balanced and evidence-based interpretation of how cultural differences shape institutional transformation processes in education.

## ANALYSIS AND RESULTS

Institutional change in education systems is a complex and multidimensional process shaped by a wide range of factors, among which cultural differences occupy a central position. Culture, understood as a system of values, norms, beliefs, and behavioral patterns, determines how societies perceive education, define its goals, and organize its institutional structures. Therefore, analyzing institutional transformation in education without considering cultural dimensions leads to an incomplete and often misleading understanding of reform outcomes.

One of the key aspects through which culture influences education systems is the societal perception of knowledge and learning. In some cultural contexts, education is viewed primarily as a means of individual achievement and economic advancement, while in others it is considered a tool for social cohesion, moral development, and preservation of traditions. These differences significantly affect institutional priorities, curriculum design, and pedagogical approaches. For example, in collectivist societies, educational institutions tend to emphasize cooperation, group harmony, and respect for authority, whereas in individualistic cultures, critical thinking, independence, and creativity are more strongly promoted.

Another important factor is the role of authority and hierarchy in educational institutions. Cultures with high power distance typically support centralized decision-making processes, where educational policies are formulated at the top and implemented with limited participation from teachers and local stakeholders. In such systems, institutional change is often introduced in a top-down manner, which may ensure rapid implementation but can also lead to resistance if reforms do not align with local expectations. In contrast, low power distance cultures encourage participatory governance, where teachers, students, and communities actively contribute to decision-making processes. This participatory approach tends to increase the legitimacy and sustainability of institutional reforms.

Language and communication patterns also play a crucial role in shaping educational institutions. The language of instruction, for instance, reflects cultural identity and influences access to education. In multilingual societies, the choice of language can become a sensitive issue, affecting both the inclusiveness and effectiveness of education systems. Furthermore, communication styles—whether direct or indirect—impact classroom interactions, teacher-student relationships, and the overall learning environment. Educational reforms that fail to account for these cultural nuances may struggle to achieve their intended outcomes.

Religious and ethical values constitute another dimension of cultural influence on education. In many countries, education systems are closely linked to religious traditions, which shape curricula, institutional norms, and even governance structures. Institutional change in such contexts often requires balancing modernization efforts with the preservation of cultural and religious identities. Failure to achieve this balance can result in social tensions and reduced public support for reforms. Conversely, culturally sensitive reforms that integrate traditional values with modern educational practices are more likely to gain acceptance and produce sustainable results.

Economic and technological factors interact with cultural elements to further shape institutional transformation. While globalization has facilitated the diffusion of educational models such as competence-based learning, digital education, and standardized assessment systems, their adoption is not culturally neutral. The effectiveness of these models depends on their compatibility with local values and institutional capacities. For instance, the introduction of digital learning technologies in societies with limited digital literacy or strong preferences for face-to-face interaction may encounter significant challenges. Similarly, standardized assessment systems may conflict with cultural norms that prioritize holistic evaluation over quantitative measurement (Table 1).

**Table 1. Comparative Influence of Cultural Factors on Institutional Change in Education Systems**

Cultural Dimension	Key Characteristics	Impact on Education System	Effect on Institutional Change
Individualism vs Collectivism	Emphasis on individual success vs group harmony	Curriculum focus (independent vs collaborative learning)	Determines reform orientation and learning models
Power Distance	Acceptance of hierarchical authority	Centralized vs decentralized governance	Affects reform implementation style (top-down vs participatory)
Uncertainty Avoidance	Tolerance for ambiguity and change	Preference for rigid vs flexible educational structures	Influences openness to innovation and reforms
Cultural Attitude to Knowledge	Knowledge as fixed vs evolving	Memorization vs critical thinking approaches	Shapes pedagogical reforms and curriculum updates
Communication Style	Direct vs indirect communication	Teacher-student interaction patterns	Affects reform communication and stakeholder engagement
Role of Tradition	Strong vs weak adherence to traditions	Preservation vs modernization of curricula	Determines resistance or support for reforms

The table demonstrates that cultural dimensions significantly shape both the structure of education systems and the trajectory of institutional change. For instance, societies with high power distance tend to adopt centralized reforms, which may accelerate implementation but limit stakeholder participation. Similarly, collectivist cultures support collaborative learning models, while individualistic cultures promote independent thinking and innovation. The degree of uncertainty avoidance influences how readily institutions accept new policies, with risk-averse societies showing resistance to change. Moreover, communication styles and attitudes toward knowledge directly affect teaching methods and reform dissemination. Overall, the analysis highlights that successful institutional transformation requires aligning reform strategies with underlying cultural characteristics. Ignoring these dimensions can reduce the effectiveness of reforms and lead to institutional inefficiencies or resistance.

The comparative analysis of different countries demonstrates that cultural alignment plays a decisive role in the success of educational reforms. Countries that have effectively integrated cultural considerations into their reform strategies tend to achieve more consistent and sustainable outcomes. For example, education systems that adapt international best practices to local cultural contexts—rather than adopting them wholesale—are better able to maintain institutional stability while achieving modernization goals. This approach requires a deep understanding of cultural dynamics and a flexible policy framework that allows for contextual adaptation.

At the same time, cultural differences can act as both facilitators and barriers to institutional change. On the one hand, strong cultural values such as respect for education, discipline, and collective responsibility can support the implementation of reforms and enhance institutional performance. On the other hand, deeply rooted traditions and resistance to change may hinder innovation and slow down transformation processes. This dual nature of culture highlights the importance of identifying and leveraging positive cultural elements while addressing those that may impede progress.

An additional dimension of analysis concerns the role of stakeholders in educational reform processes. Teachers, students, parents, and policymakers are all influenced by cultural norms, which shape their attitudes toward change. In cultures that value stability and continuity, stakeholders may be more cautious and resistant to reforms, especially if they perceive them as disruptive or externally imposed. In contrast, cultures that emphasize innovation and adaptability are more likely to embrace change and actively participate in reform processes. Understanding these differences is essential for designing effective communication strategies and ensuring stakeholder engagement.

Institutional capacity is another critical factor that interacts with cultural variables. Even well-designed reforms may fail if institutions lack the capacity to implement them effectively. Cultural factors influence institutional capacity by shaping organizational behavior, leadership styles, and management practices. For example, hierarchical cultures may prioritize formal authority and clear lines of responsibility, which can facilitate coordination but limit flexibility. In contrast, more egalitarian cultures may encourage collaboration and innovation but face challenges in maintaining organizational discipline (Table 2).

Table 2. Interaction Between Cultural Factors and Institutional Capacity in Educational Reform

Factor	Cultural Context Influence	Institutional Capacity Aspect	Resulting Effect on Reform Outcomes
Leadership Style	Hierarchical vs egalitarian cultures	Decision-making and coordination efficiency	Strong control vs collaborative adaptability
Stakeholder Engagement	Passive vs active societal participation	Level of involvement of teachers and communities	Acceptance or resistance to reforms
Organizational Behavior	Formal vs flexible institutional norms	Administrative responsiveness and innovation	Stability vs adaptability of institutions
Attitude Toward Innovation	Conservative vs progressive cultural mindset	Adoption of new technologies and methods	Slow vs rapid implementation of reforms
Trust in Institutions	High vs low societal trust	Institutional legitimacy and credibility	Smooth vs contested reform processes
Learning Culture	Rote learning vs critical inquiry orientation	Pedagogical effectiveness	Limited vs enhanced educational outcomes

The table highlights the strong interdependence between cultural factors and institutional capacity in shaping educational reform outcomes. Leadership styles influenced by culture determine whether reforms are implemented through strict control or collaborative processes. In societies with higher levels of trust, institutional initiatives tend to be more readily accepted, ensuring smoother reform execution. Conversely, low trust environments often experience resistance and delays. Cultural attitudes toward innovation significantly affect the pace at which new educational technologies and methods are adopted. Furthermore, stakeholder engagement plays a crucial role, as active participation enhances reform legitimacy and sustainability. Organizational behavior shaped by cultural norms influences whether institutions remain rigid or adaptable in the face of change. Overall, the analysis shows that institutional capacity cannot be fully understood without considering its cultural foundations, as both elements jointly determine the effectiveness and long-term success of educational transformations.

The analysis also reveals that globalization has introduced new dynamics into the relationship between culture and education systems. On the one hand, global standards and international benchmarking have created pressures for convergence, encouraging countries to adopt similar institutional frameworks. On the other hand, cultural diversity continues to shape how these frameworks are interpreted and implemented. This tension between global convergence and local diversity is a defining feature of contemporary educational transformation.

In this context, the concept of “culturally responsive institutional change” becomes particularly relevant. This approach emphasizes the need to design and implement reforms that are sensitive to cultural contexts while aligning with global standards. It involves engaging local stakeholders, adapting policies to cultural realities, and continuously evaluating the impact of reforms to ensure their relevance and effectiveness. Such an approach not only enhances the success of institutional change but also contributes to the preservation of cultural identity in an increasingly globalized world.

Furthermore, digital transformation in education highlights the importance of cultural adaptation. While digital technologies offer significant opportunities for improving access and quality, their integration into education systems must consider cultural factors such as attitudes toward technology, learning preferences, and social norms. For instance, in some cultures, online learning may be perceived as less legitimate than traditional classroom-based education, which can affect student motivation and engagement. Addressing these perceptions requires targeted policies and awareness campaigns that promote the benefits of digital education while respecting cultural values.

## CONCLUSIONS AND SUGGESTIONS

The conducted analysis confirms that cultural differences are not merely contextual background factors but fundamental determinants of institutional change in education systems. Cultural values, norms, and behavioral patterns shape how reforms are perceived, implemented, and sustained. The interaction between cultural dimensions—such as attitudes toward authority, knowledge, innovation, and social cooperation—and institutional capacity defines the effectiveness and long-term outcomes of educational transformations. As demonstrated, reforms that ignore cultural specificities often encounter resistance, inefficiencies, or partial implementation, whereas culturally aligned strategies tend to ensure greater stability, acceptance, and impact.

In the context of globalization and increasing standardization of education systems, the challenge lies in balancing international best practices with local cultural realities. The analysis shows that institutional change should not be understood as a process of simple model transfer but rather as a complex adaptation mechanism, where global approaches are selectively integrated into culturally specific environments. This highlights the need for a more flexible, context-sensitive, and inclusive approach to educational reform.

To enhance the effectiveness of institutional transformation in education systems, the following recommendations are proposed:

1. Develop culturally adaptive reform models that integrate international standards with national traditions and social values, ensuring both modernization and cultural sustainability.
2. Strengthen stakeholder participation by actively involving teachers, students, parents, and local communities in the design and implementation of reforms to increase legitimacy and acceptance.
3. Enhance institutional capacity through leadership development programs that take into account cultural leadership styles and promote both coordination and innovation.
4. Promote culturally responsive pedagogy by aligning teaching methods, curricula, and assessment systems with local learning preferences and communication patterns.
5. Support the gradual integration of digital technologies by considering cultural attitudes toward technology and providing adequate training and awareness programs.
6. Improve trust in educational institutions by ensuring transparency, accountability, and consistent communication during reform processes.
7. Encourage comparative and interdisciplinary research to better understand the interaction between cultural factors and institutional dynamics in different educational contexts.

In conclusion, sustainable and effective institutional change in education systems requires a comprehensive approach that recognizes culture as a core component rather than a peripheral factor. By integrating cultural analysis into policy design and implementation, education systems can achieve not only structural improvement but also long-term resilience and relevance in a rapidly changing global environment.

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