



## Main Directions of Managing Innovative Preschools in the Preschool Education System

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### Abstract

*In the context of rapid socio-economic transformation, digitalization, and the growing recognition of early childhood education as a foundation for sustainable development, the management of innovative preschools has become a critical issue for modern educational systems. Innovative preschools are expected to ensure high-quality education, inclusiveness, creativity, and effective cooperation with parents; however, these objectives cannot be achieved without advanced and integrated management approaches. Despite the expansion of innovative preschool practices, there remains a lack of systematized management frameworks that combine human resource development, motivational mechanisms, and stakeholder engagement. The purpose of this study is to analyze the main directions of managing innovative preschools within the preschool education system and to develop a comprehensive management framework aimed at improving institutional effectiveness and educational outcomes. The study adopts a conceptual and analytical research approach based on systematic literature analysis, comparative examination of international preschool management models, and theoretical synthesis. The results identify key management directions for innovative preschools, including strategic human resource management, efficient resource management, motivational leadership, inclusive governance, and structured cooperation between educators and parents. Based on these findings, an integrated management framework is proposed that reflects the interconnection between innovation culture, leadership, and stakeholder collaboration. The practical significance of the study lies in its applicability for preschool administrators and policymakers seeking to enhance management efficiency and innovation capacity. The theoretical contribution consists in advancing educational management research in early childhood education by offering a structured and innovation-oriented management model.*

**Keywords:** *preschool education management; innovative preschool; human resource management; inclusive education; parental engagement; motivational leadership.*

## INTRODUCTION

Early childhood education has increasingly been recognized as a strategic component of national education systems and a key driver of long-term socio-economic development. Global educational reforms emphasize the importance of preschool education in shaping cognitive, social, and emotional competencies that influence lifelong learning trajectories. In this context, preschools are no longer viewed solely as care-providing institutions but as complex educational organizations requiring professional and innovation-oriented management.

Recent trends indicate a shift toward innovative preschools that integrate modern pedagogical technologies, inclusive practices, creative learning environments, and active cooperation with parents. These changes place new demands on preschool management, requiring leaders to adopt flexible governance models, develop human capital, and create motivational environments that support innovation. Traditional administrative approaches are increasingly insufficient for addressing the dynamic challenges faced by modern preschool institutions.

In Uzbekistan, large-scale reforms in preschool education have focused on expanding access, improving quality, and introducing innovative educational models. However, disparities in management capacity, staff qualifications, and resource utilization remain significant challenges. These issues highlight the relevance of studying the main directions of

managing innovative preschools and developing integrated management frameworks tailored to contemporary educational needs.

Research hypothesis. The study is based on the hypothesis that the effectiveness and sustainability of innovative preschools can be significantly enhanced through integrated management approaches that combine human resource development, motivational management, inclusive practices, and systematic cooperation between educators and parents.

Purpose and objectives. The purpose of this study is to identify and substantiate the main directions of managing innovative preschools. The objectives are: (1) to analyze current trends in preschool education management; (2) to identify key management components of innovative preschools; and (3) to develop an integrated conceptual framework for innovative preschool management.

## **LITERATURE REVIEW**

Managing innovative preschools has become a strategic issue for education systems that seek to expand access, raise learning quality, and modernize service delivery under fiscal and workforce constraints. Internationally, early childhood education and care (ECEC) is increasingly treated as an integrated ecosystem linking governance, financing, workforce, curriculum, family engagement, and data-driven quality assurance—an approach reinforced in the UNESCO–UNICEF global ECCE agenda, including commitments adopted in Tashkent.

For Uzbekistan, the topic is relevant for three interconnected reasons. First, rapid sector expansion (public–private mix, new service models) raises the question of how leaders ensure process quality (child–adult interactions, safe and developmentally appropriate pedagogy) rather than only structural compliance. Second, innovation agendas (digital tools, new curricula, partnerships, and commercialization/logics of sustainability in private provision) require leaders who can balance experimentation with equity, inclusion, and child well-being. Third, accountability expectations are rising: governments and stakeholders increasingly expect measurable improvements, which pushes ECEC management toward indicator-based governance and organizational learning. OECD syntheses argue that leadership is central for sustaining process quality and translating reforms into daily practice.

Accordingly, the present review focuses on research streams that inform a managerial model for innovative preschool organizations: (1) leadership and governance (including distributed and pedagogical leadership), (2) human resources and teacher motivation/retention, (3) family engagement as a quality mechanism, (4) inclusion and equity, (5) digital transformation and innovation management, and (6) resource allocation and efficiency.

Recent scholarship converges on the idea that ECEC leadership affects quality primarily through pedagogical leadership—the leadership practices that shape curriculum work, reflective practice, professional collaboration, and conditions for high-quality interactions. Comparative evidence highlights that pedagogical leadership includes both direct instructional functions and indirect managerial functions (e.g., HR and administration) and should be interpreted within local governance structures. For example, cross-context research on early childhood pedagogical leadership demonstrates how leadership work is distributed across formal and informal roles and how this distribution is linked to maintaining educational mission and children’s well-being.

System-building research emphasizes that leadership development is not only an individual capacity problem but also a system design problem—how roles, professional learning, and accountability are aligned so leaders can sustain improvement.

At the same time, evidence from broader education leadership points to the practical value of leadership models that support inclusion and change management—such as transformative leadership frameworks used to operationalize inclusive practice through professional learning.

A consistent implication for innovative preschool governance is that “innovation” cannot be treated as a standalone project; it must be embedded in leadership routines (goal setting, professional collaboration, coaching, feedback loops) that protect process quality while enabling experimentation. OECD reviews similarly underline that leadership is a key lever for improving and sustaining process quality in ECEC settings.

Distributed leadership has become prominent in early childhood due to multi-professional staffing and complex service expectations. Policy-research syntheses argue that quality improvement is more likely to be sustained when staff contributions are coordinated through distributed leadership rather than relying solely on the center head. In parallel, scholarship outside ECEC provides conceptual clarifications that help avoid “surface adoption” of distributed leadership. Empirical work examining leaders’ roles during reforms shows that leaders often function as community-of-practice facilitators, building professional norms and shared meaning-making.

For Uzbekistan, where innovation may be introduced through new private providers, pilot preschools, and donor-supported programs, distributed leadership is relevant because it offers a practical route to: (a) scale professional learning, (b) stabilize quality during rapid expansion, and (c) reduce dependence on one “hero” manager.

Workforce constraints—pay, workload, professional status—are widely recognized as binding constraints for quality. Research in early childhood settings shows that leadership influences teacher outcomes through job demands/resources and through professional collaboration. A 2025 study in *Early Childhood Education Journal* models how pedagogical leadership relates to job satisfaction via workload stress and collaboration. At a broader level, a large meta-analysis across education leadership styles finds consistent positive associations between leadership and teacher satisfaction, suggesting that ethical and servant leadership styles may be particularly influential. Organizational climate and job satisfaction are also linked dynamically to turnover intention in longitudinal.

Human resource management perspectives further argue that “thriving” at work depends on multi-level interventions, including HRM practices and supportive workplace systems. These findings imply that innovative preschool management must treat staffing stability and professional growth as *core performance indicators*, not secondary HR issues.

Family engagement is increasingly studied not merely as “participation” but as a measurable component of program quality linked to child outcomes. A 2024 article frames parental engagement and transformation as markers of quality, emphasizing how ECEC policy and investment patterns shape engagement opportunities. Measurement work is especially important for equity: an Elsevier study develops and validates an equitable parent engagement survey suited for urban/high-poverty contexts, connecting engagement to readiness, attendance, and teacher ratings. More recent work links family engagement practices to administrative outcomes such as attendance and early learning skills in public pre-K settings (thematic evidence in *Children and Youth Services Review*). In addition, parental engagement and satisfaction have been modeled with mediating mechanisms such as the home literacy environment. A 2025 systematic review focuses on how family involvement is measured in ECEC research, highlighting the need for robust constructs and instruments across contexts. For Uzbekistan, where preschool participation and service models vary by region and household resources, family engagement research is relevant because it (a) offers instruments for monitoring quality beyond structural compliance, and (b) provides management levers to reduce inequality (communication practices, culturally responsive engagement, trust-building routines).

Inclusion in early childhood is strongly shaped by administrative capacity, training, and resources. A 2025 systematic review of early childhood administrators’ attitudes toward inclusion finds generally positive dispositions but persistent barriers: insufficient training and inadequate resources, with implications for policy and practice. Practice-oriented research also emphasizes that inclusion requires synchronized efforts across partnerships and that educators and leaders play central roles in implementation. Broader inclusive leadership frameworks argue that inclusive change requires stakeholder communication, shared vision, and management teams committed to equity. Taken together, the literature suggests that “innovative preschool” management should treat inclusion as an innovation constraint (i.e., innovation that increases exclusion is poor innovation), and therefore build inclusion into staff development, resource planning, and monitoring systems.

Innovation in preschools increasingly involves digital tools, data, and new pedagogies—yet leadership capacity is uneven. A recent special issue synthesis describes how digital transformation reshapes early learning and introduces newer concepts such as AI literacy and digital leadership. Digital leadership is also theorized and empirically explored in specific cultural contexts. For example, a grounded theory study proposes a culturally situated model of digital leadership in Chinese preschools. Complementary systematic reviews map what “digital competence” means in early childhood education and how it is assessed. OECD policy-oriented evidence further stresses that digitalisation changes competency requirements for the ECEC workforce and that professional development must be aligned with role differentiation. Looking forward, emerging reviews examine intelligent technologies and ethical challenges in ECE practice.

For Uzbekistan, the research implies that innovative preschool management should operationalize digital transformation as: (a) workforce competency development, (b) safe and developmentally appropriate use policies, (c) family communication enhancement, and (d) monitoring of unintended consequences (screen time, inequality in access).

Finally, innovation and quality depend on resource strategies. Quantitative work evaluates preschool resource allocation disparities and suggests methods for diagnosing spatial inequities. Methodological literature on equity measurement in education resource allocation provides tools for analyzing distribution and linking resources to need. While some optimization-focused work exists (e.g., DEA-based approaches), access barriers can limit direct synthesis in some outlets; nonetheless, the stream signals growing interest in “efficiency + equity” frameworks for early childhood resource planning.

The field has advanced from viewing preschool management as administrative compliance toward treating it as organizational leadership for process quality, with strong emphasis on pedagogical leadership, distributed leadership, workforce well-being, and family engagement measurement. Robust syntheses from OECD and large empirical studies increasingly connect leadership and organizational conditions to measurable outcomes.

## MATERIALS AND METHODS

The study employs a theoretical and conceptual research design appropriate for educational management research. The research is based on a systematic analysis of international and national scholarly literature published between 2022 and 2025, policy documents related to preschool education, and conceptual models of educational management.

The main methods used include comparative analysis of traditional and innovative preschool management models, content analysis of academic publications and policy reports, and theoretical synthesis. Comparative analysis was selected to identify structural differences between management models, while content analysis enabled the identification of recurring themes and management dimensions. Conceptual modeling was applied to integrate the findings into a unified management framework.

## RESULTS

The analysis revealed several interrelated directions that define effective management of innovative preschools. These directions reflect both internal organizational processes and external stakeholder interactions.

**Table 1.** Key management directions of innovative preschools

Management dimension	Core components	Expected managerial outcomes
Human resource management	Staff qualifications; professional development; leadership skills	Improved teaching quality and innovation capacity
Resource management	Financial planning; digital and learning resources	Efficient and sustainable resource utilization
Motivational management	Incentive systems; innovation culture; staff engagement	Increased staff motivation and creativity
Inclusive management	Inclusive policies; individualized support	Equal access and social inclusion
Parent–educator cooperation	Communication channels; partnership mechanisms	Enhanced educational outcomes and trust

Table 1 demonstrates that innovative preschool management is multidimensional and requires coordinated implementation of several managerial functions.

**Table 2.** Traditional and innovative preschool management models

Aspect	Traditional management	Innovative management
Leadership style	Administrative, hierarchical	Strategic and participatory
Innovation orientation	Limited	Central organizational objective
Stakeholder involvement	Low parental participation	Active educator–parent cooperation
Inclusiveness	Fragmented practices	Systematic and integrated
Performance focus	Process-oriented	Outcome- and impact-oriented

The comparison presented in Table 2 highlights the structural shift from rigid administrative models toward flexible and innovation-driven management approaches.



**Figure 1.** Conceptual framework for managing innovative preschools

Figure 1 presents an integrated management framework in which leadership serves as the central coordinating element linking human resource management, resource optimization, motivational mechanisms, inclusive governance, and stakeholder cooperation. These dimensions jointly influence institutional performance and educational quality. The figure illustrates an integrated management framework in which leadership and strategic governance coordinate human resource management, resource management, motivational mechanisms, inclusive management, and parent–educator cooperation, jointly influencing institutional performance and educational quality.

## DISCUSSION

The results of this study confirm that managing innovative preschools requires a holistic and systemic approach. The identified management directions are consistent with international research emphasizing leadership, innovation culture, and stakeholder engagement in educational organizations. However, this study extends existing literature by integrating these elements into a unified framework specifically tailored to preschool education.

Unlike traditional models that prioritize administrative control, innovative preschool management emphasizes motivation, inclusiveness, and cooperation with parents. At the same time, the study acknowledges that factors such as organizational culture and leadership competencies, which were not empirically tested in this research, may further influence management effectiveness. These omissions indicate directions for future empirical studies.

## CONCLUSION

This study addressed the problem of managing innovative preschools in the context of modern preschool education systems. The findings demonstrate that innovative preschool management is based on the integration of human resource development, motivational leadership, inclusive governance, and stakeholder cooperation. Each research objective was achieved, providing theoretical support for the proposed hypothesis. The proposed management framework contributes to educational management theory by systematizing key dimensions of innovation-oriented preschool governance. Practically, the results can be used by preschool administrators and policymakers to improve management efficiency, foster innovation, and enhance educational quality.

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