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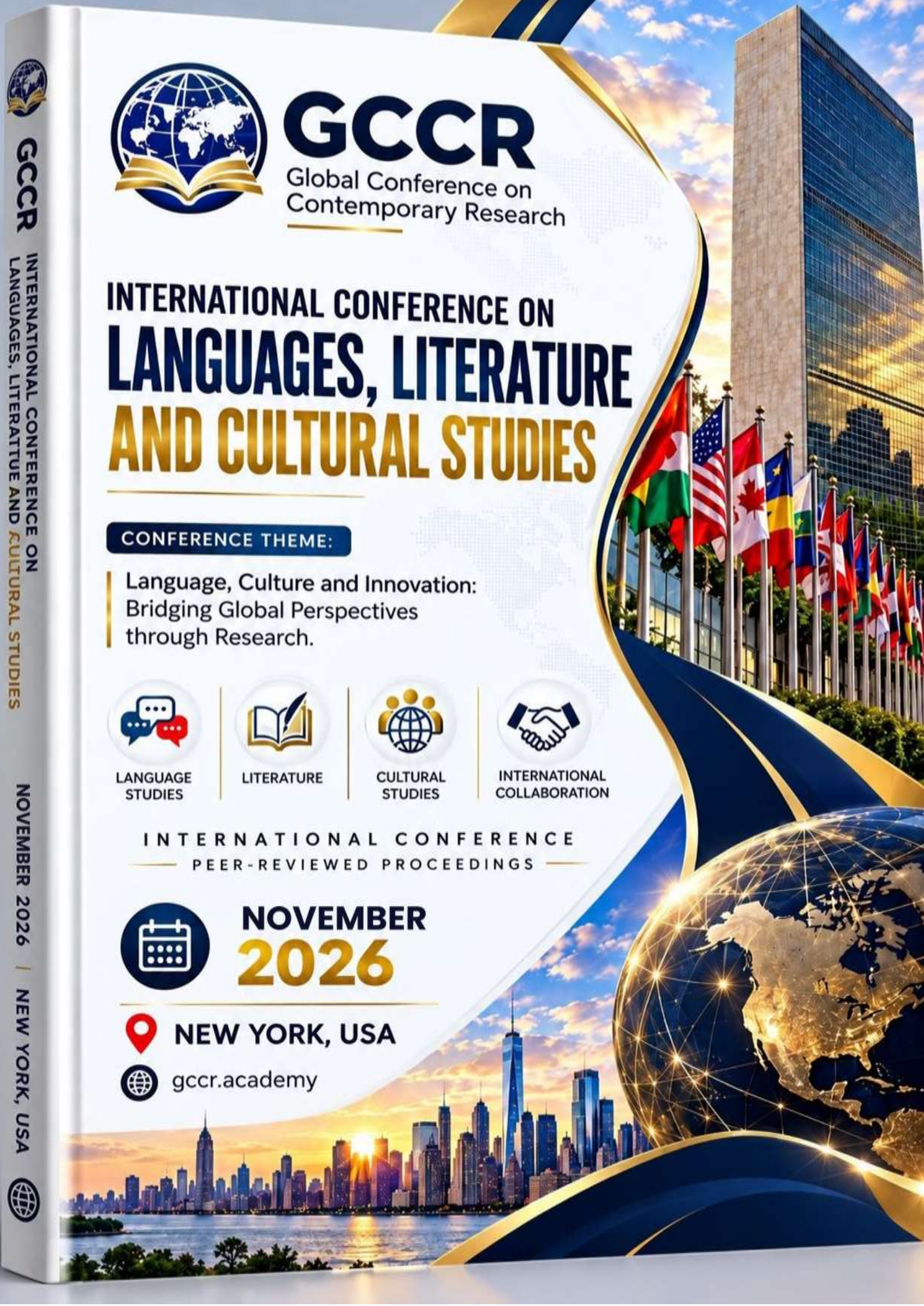
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MODERN APPROACHES TO THE DEVELOPMENT OF SCHOOL PRINCIPALS' PROFESSIONAL COMPETENCE

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Abstract. This article analyzes modern approaches to the development of professional competencies of school principals in educational management. It substantiates the possibilities of enhancing managerial capacity based on a competency-based approach, digital technologies, and continuous professional development. The paper also identifies directions for improving principals' professional development through the evaluation of their performance using clear and measurable indicators.

Keywords: educational management, principal competencies, professional development, competency-based approach, digital technologies, lifelong learning, assessment, indicators, management effectiveness

Modern educational management is increasingly shaped by the complex interaction of socio-economic, technological, and institutional factors. In particular, the acceleration of globalization, the expansion of digital transformation, and the growing demand for high-quality educational services have created a new paradigm for the governance of educational institutions. Under these conditions, the professional competence of school principals has emerged as one of the key determinants of the sustainability and effectiveness of the education system [1].

Today, the role of a school principal extends far beyond traditional administrative responsibilities. It encompasses strategic planning, the promotion of innovation, effective leadership of educational teams, and the establishment of constructive collaboration with diverse stakeholders. Furthermore, the widespread adoption of digital technologies

requires school leaders to make evidence-based decisions, optimize management processes, and implement systematic and analytical approaches aimed at improving educational quality.

These developments necessitate a shift from conventional models of professional development toward modern, integrated, and systematic approaches to enhancing the professional competence of school principals. In particular, the implementation of competency-based management, the improvement of continuous professional development mechanisms, the effective integration of digital technologies, and the establishment of performance evaluation systems based on measurable indicators have become issues of significant scientific and practical importance.

From this perspective, this article provides a systematic analysis of contemporary approaches to developing the professional competence of school principals and examines their role in improving management effectiveness. The findings are intended to contribute to the enhancement of leadership practices in educational institutions and to support the development of practical recommendations for increasing organizational performance.

The development of school principals' professional competence requires a systematic and integrated approach to educational leadership. In the contemporary educational environment, leadership has become a multidimensional process involving strategic management, human resource development, innovation implementation, and evidence-based decision-making. Consequently, professional competence development should not be limited to updating theoretical knowledge but should also focus on the systematic enhancement of practical skills and managerial approaches applicable to professional practice [2].

First, the competency-based approach constitutes the methodological foundation for developing school principals' professional competence. Within this framework, leadership capacity is defined and assessed through a comprehensive system of professional competencies. Strategic planning competence enables principals to formulate the long-term development priorities of educational institutions, while leadership competence

facilitates effective team management, staff motivation, and the creation of a positive organizational climate. Communication competence supports productive collaboration with stakeholders, whereas problem-solving and decision-making competencies determine managerial effectiveness at both operational and strategic levels. This approach enables the design of individualized professional development pathways based on principals' specific developmental needs.

Second, the integration of digital technologies into educational management has become a critical factor in strengthening principals' professional competence. Contemporary digital platforms, information systems, and analytical tools facilitate the monitoring of educational processes, the processing of large-scale datasets, and comprehensive data analysis. As a result, management decisions become more objective, organizational processes more transparent, and overall management effectiveness significantly enhanced.

Third, the principle of continuous professional development serves as a fundamental prerequisite for the sustainable improvement of principals' professional competencies. In a rapidly evolving educational environment, school leaders must continuously acquire new knowledge and develop new skills. Professional development courses, training programs, online learning platforms, and professional learning communities play a significant role in this process. In particular, the use of digital educational resources promotes self-directed learning and accelerates professional growth.

Fourth, the implementation of an indicator-based performance evaluation system represents an essential component of professional competence development. Assessing school principals through clearly defined and measurable performance indicators enables a comprehensive evaluation of their managerial effectiveness, leadership capacity, innovation performance, digital competence, and communication skills. This approach replaces subjective assessments with a systematic, evidence-based evaluation mechanism [3]. Consequently, both the strengths and developmental needs of school principals can be identified, providing a sound basis for designing and implementing individualized

professional development strategies.

In addition, the data-driven management model occupies a central position among contemporary educational management approaches [4]. According to this model, managerial decisions are informed by statistical evidence, monitoring results, and analytical findings. Such an approach enhances the accuracy, consistency, and effectiveness of management processes while minimizing subjectivity in decision-making.

The integrated application of these contemporary approaches forms a comprehensive framework for the development of school principals' professional competence, thereby strengthening leadership capacity and improving the overall effectiveness of educational management.Mazkur model maktab direktorlarining kasbiy kompetensiyasini rivojlantirishning tizimli mexanizmini aks ettiradi. Unda kompetensiya klasterlari asosida rahbar faoliyati ma'lumotlarga asoslangan (data-driven) yondashuv orqali baholanib, tahlil natijalariga ko'ra qayta aloqa va takomillashtirish jarayonlari amalga oshiriladi [5]. Natijada direktorlarning kuchli va rivojlanishni talab etuvchi jihatlari aniqlanib, individual kasbiy rivojlanish strategiyasi ishlab chiqiladi hamda boshqaruv samaradorligi va ta'lim sifati oshiriladi.

As a result, a comprehensive **Key Performance Indicator (KPI)-based evaluation framework** for assessing the professional competence of school principals is proposed. The framework systematizes measurable indicators and their maximum scores across distinct competency clusters. The established criteria enable an objective assessment of leadership performance, the identification of managerial effectiveness, and the quantitative measurement of administrative outcomes.

Based on these indicators and their corresponding interpretation criteria, the assessment results provide a comprehensive understanding of school principals' performance across multiple dimensions of leadership. The cumulative scores obtained through the evaluation process determine principals' professional competency levels and facilitate a systematic analysis of both their strengths and areas requiring further professional development [6].

The findings indicate that while strategic management and leadership competencies are generally well developed among most school principals, deficiencies remain in the areas of digital competence and innovation management. This suggests that school leaders require additional professional development to effectively integrate digital technologies and implement innovative approaches within contemporary educational environments.

Furthermore, the assessment outcomes provide a basis for designing individualized professional development pathways for each principal. This enables targeted organization of professional development programs, more efficient allocation of resources, and continuous improvement of management effectiveness.

The analysis further confirms the necessity of adopting systematic, evidence-based approaches to leadership improvement through data-informed decision-making.

The findings of this study demonstrate that implementing a **KPI-based professional competence assessment system** together with **data-driven management** significantly contributes to improving the effectiveness of school leadership. Digital monitoring tools, analytical methodologies, and systematic management processes enhance transparency, responsiveness, and organizational performance within educational institutions [7].

Moreover, principals' digital competence and their capacity to implement innovative management practices emerge as decisive factors influencing leadership effectiveness. This approach facilitates objective performance evaluation, supports the development of individualized professional growth strategies, and contributes to improving the quality of educational management.

Main Findings

- The development of school principals' professional competence is a critical determinant of management effectiveness and requires the adoption of a data-driven management approach.
- KPI-based performance evaluation enables the objective assessment of principals' professional capacity and the identification of their developmental needs.

- The proposed evaluation framework provides a systematic analysis of leadership performance across multiple competency clusters.
- The interpretation criteria facilitate qualitative analysis of assessment results and support the design of individualized professional development strategies.

Based on the research findings, the following practical recommendations are proposed to further enhance the professional competence of school principals:

1. **Implement a KPI-based performance evaluation system** to enable comprehensive, objective, and quantitative assessment of leadership effectiveness.
2. **Establish a continuous professional development system** focused on strengthening principals' digital competence, with particular emphasis on developing skills in the use of digital management tools and analytical platforms.
3. **Promote an innovative management culture** within educational institutions by introducing modern management technologies and encouraging leadership initiative and innovation.
4. **Develop individualized professional development strategies** based on assessment results and ensure their systematic implementation to enhance leadership performance.
5. **Expand the implementation of data-driven management principles** to strengthen evidence-based decision-making processes and improve monitoring and evaluation systems.

In conclusion, the development of school principals' professional competence constitutes a decisive factor in ensuring the effectiveness of contemporary educational management. It requires moving beyond traditional administrative approaches toward an integrated framework that combines competency-based leadership, digital transformation, and data-driven management principles.

The study demonstrates that systematically evaluating school principals through **Key Performance Indicators (KPIs)** across competency clusters—including strategic management, leadership, communication, innovation, digital competence, and decision-

making—provides an objective basis for assessing professional capacity, identifying strengths and areas for improvement, and designing individualized professional development strategies. The identified deficiencies, particularly in digital competence and innovation management, underscore the need to strengthen continuous professional development in these domains. Consequently, integrating KPI-based evaluation mechanisms, digital monitoring technologies, and data-driven management principles enhances the transparency, consistency, and scientific rigor of management processes, ultimately contributing to improved leadership performance and the sustainable enhancement of educational quality.

References

1. Khaydaraliyevna, P. S., Ruzimurodovich, O. G., Maxmudovich, E. A., & Sapparovich, B. K. (2022). ANALYSIS OF PROFESSIONAL DEVELOPMENT PROCESSES AND OPPORTUNITIES OF THE SYSTEM OF CONTINUOUS PROFESSIONAL DEVELOPMENT. Special Education, 2(43).

2. Alkarov, E., & Khurramov, B. (2022). Improving the mechanisms of continuous professional development of public education workers: Analysis, problems and solutions. Asian Journal of Research in Social Sciences and Humanities, 12(6), 31-34.

3. MAXMUDOVICH, E. A., RUZIMURODOVICH, O. G., & SAPPAROVICH, B. K. Content and Organization Forms of Continuous Professional Development of Teachers in Developed Countries. World Bulletin of Social Sciences, 20, 111-114.

4. Maxmudovich, A. E. (2024). MAKTAB O ‘QITUVCHILARINI DIFFERENSIAL YONDASHUV ASOSIDA KASBIY RIVOJLANTIRISHNING TASHKILIY MEXANIZMLARI. Современное образование (Узбекистан), (4 (137)), 41-49.

5. Maxmudovich, A. E. (2024). MAKTAB O ‘QITUVCHILARINI DIFFERENSIAL YONDASHUV ASOSIDA KASBIY RIVOJLANTIRISHNING TASHKILIY MEXANIZMLARI. Современное образование (Узбекистан), (4 (137)), 41-49.

6. Алкаров, Э. М. (2018). Мактабгача ва халқ таълими педагог ходимлари малакасини ошириш мониторингининг электрон тизими. Современное образование (Узбекистан), (4), 9-15.

7. Mansurjonovich, J. R. M. (2023). BO ‘LAJAK O ‘QITUVCHILARNING KASBIY TAYYORGARLIGINI RIVOJLANTIRISH JARAYONIDA “INVERTED” O ‘QUV RESURSLARIDAN FOYDALANISHNING AFZALLIKLARI. Science and innovation, 2(Special Issue 10), 161-165.

8. Mansurjonovich, J. R. M. (2023). RAQAMLI TA’LIM MUHITIDA PICRAT MODELI ASOSIDA BO ‘LAJAK O ‘QITUVCHILARNI KASBIY FAOLIYATGA TAYYORLASH TEXNOLOGIYALARI. *Science and innovation*, *2*(Special Issue 14), 238-242.

9. Juraev, M. M. (2022). Theoretical and practical principles of improving the content of the pedagogical activity of ICT teachers of professional educational institutions in the conditions of information of education. European Journal of Humanities and Educational Advancements, 3(9), 41-43.

10. Xudayberdiyev, Z. Y., & Juraev, M. M. (2021). Theoretical analysis of the continuity model of computer science and information technology in the system of professional education. European Scholar Journal, 2(10), 61-64.