



THE PEDAGOGICAL NECESSITY OF A SYSTEM FOR DEVELOPING CREATIVE COMPETENCE IN FUTURE TECHNOLOGY TEACHERS FOR PROFESSIONAL ACTIVITY

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Abstract

In the modern education system, creativity and innovative thinking skills play a vital role in the professional activities of teachers. Future technology teachers must possess creative competence, particularly in introducing students to modern technologies and teaching them to think innovatively. This article discusses the pedagogical necessity of a system for developing creative competence in the preparation of future technology teachers for their professional activities.

Keywords: technology, pedagogical skills, innovative solutions, innovative thinking, creative competence, modern education system, creative thinking.

Introduction

Creative competence is an individual's ability to generate new ideas, solve problems, and find innovative solutions. This competence allows teachers to apply new methods and technologies in their professional activities, organizing the educational process in an engaging and effective manner. It helps educators continuously update their knowledge and skills while addressing the interests and needs of their students.

Literature Analysis and Research Methodology

In the modern education system, developing creative competence has become a pedagogical necessity. Technology teachers must apply creative approaches when introducing students to modern technologies. This increases students' interest in



technology and fosters their innovative thinking. Through creative competence, teachers can make lessons more engaging and effective. It enhances their problem-solving abilities, allowing them to address challenges with new approaches.

This also helps students develop problem-solving skills. Creative competence fosters teachers' collaboration and teamwork abilities. In today's education, sharing experiences and cooperating among teachers is essential. Through creative thinking, teachers can learn new methods from each other and share their experiences, improving the effectiveness of the learning process.

A system for developing creative competence in future technology teachers includes several key components:

- Training and seminars to develop creative thinking and learn new methods and technologies.
- Platforms for collaboration and experience sharing, both online and offline.
- Innovative student projects and activities to promote creative thinking through real-world problem solving and idea development.

Discussion and Results

A system for developing creative competence is a pedagogical necessity in preparing future technology teachers. It enhances teachers' creative thinking, makes the learning process more interesting and effective, and supports students in developing innovative thinking. Teachers with creative competence are more effective in their profession and better able to collaborate and share experiences, thereby improving the quality of education. Statistical analysis of the pedagogical necessity of such a system reveals the following:

- Creative competence is crucial in fostering innovative thinking among teachers.
- Teachers must apply creative approaches in teaching modern technologies and solving problems.
- Evaluation methods include surveys, interviews, and observations to assess creative competence.



- Findings show that creative competence is a major factor in teacher success. As teachers improve their creative skills, student achievement also increases. Teachers using innovative methods such as project-based learning, group work, and interactive lessons significantly enhance student engagement and success. Implementing innovative student projects helps students realize ideas, solve problems, and develop solutions, fostering self-expression and success in education. A system for developing creative competence is thus essential in preparing future technology teachers.

Future Prospects

The pedagogical necessity of developing creative competence in future technology teachers offers several future prospects:

- Incorporating innovative methods and technologies in education to enhance creative competence.
- Interdisciplinary integration with arts, mathematics, and natural sciences to foster broader thinking.
- Using digital tools and platforms, including virtual and augmented reality, to enrich the learning experience.
- Offering continuous professional development in creative teaching methodologies.
- Creating a creative educational environment that encourages collaboration and idea exchange.
- Updating curricula in line with modern demands and labor market needs.
- Supporting and encouraging students' creative activity to improve teachers' creative competence.
- These prospects will help modernize the training of technology teachers and improve the education system's alignment with contemporary needs.

Conclusion

In conclusion, developing a system for enhancing creative competence in future technology teachers is essential for improving the effectiveness of the education process and cultivating students' innovative thinking abilities. Teachers who



develop their creative thinking skills can better teach modern technologies and help prepare students to become successful future professionals.

References

1. Avazov, G'. B. (2024). "Methodology for Developing Creative Competence in Future Technology Teachers for Professional Activity." *Theory of the Latest Scientific Research*, Vol. 7, No. 1.
2. Avazov, G'. B. (2023). "Creative Competence of Future Technology Teachers." *Innovative Academy RSC*.
3. Karimov, S. (2021). "Creative Thinking in Modern Education." *Journal of Education and Innovation*, 3(2), 45–50.
4. Murodov, B. (2022). "Creativity in Preparing Technology Teachers" *Ministry of Higher and Secondary Special Education of the Republic of Uzbekistan*.
5. Qodirov, R. (2020). "Creative Competence and Its Role in the Education Process." *Journal of Pedagogy and Psychology*, 4(1), 12–18.
6. Rahimov, D. (2021). "Innovative Educational Methods and Creative Thinking." *Education and Development*, 5(3), 67–72.