Using Information Systems to Facilitate Communication between Teachers, Students, and Parents

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Abstract: *Cooperation between parents is based on the relationship between teachers and students. Today, in some families, education and upbringing have formed as the main social institution for youth development, and general education institutions are establishing mutual communication with parents. Thus, a new type of cooperation between parents, youth, and teachers is developing. In this type of relationship, youth are no longer objects but subjects of educational activities, and the leading idea of the system of higher education teachers working with parents is to establish cooperation with each youth's family and provide mutual assistance. The article also discusses the effectiveness and advantages of cooperation between parents, teachers, and higher education institutions.*

Keywords: *Teacher, higher education, parent, quality, cooperation, education.*

Introduction

The modern education system is rapidly evolving under the influence of advancing technologies. Information systems (IS) create vast opportunities for organizing more effective communication between teachers, students, and parents. This article analyzes communication among educational stakeholders using information systems and explores ways to optimize it.

The Role of Information Systems in the Educational Process

Information systems enable the educational process to become faster, more efficient, and interactive. They provide the following advantages:

➢ **Rapid communication** – Teachers, students, and parents can exchange messages in real time.

➢ **Transparency of information** – Students' grades, homework, and academic results can be monitored through online systems.

➢ **Interactive learning opportunities** – Virtual classrooms, video lessons, and tests enhance the efficiency of the educational process.

➢ **Constant communication with parents** – Parents can monitor their children's academic progress and communicate with teachers.

➢ **Opportunities for independent learning** – Students can review materials and strengthen their knowledge at any time.

Analyzing Communication and Identifying Problems

To effectively organize communication between teachers, students, and parents through information systems, it is necessary to analyze existing processes. Key problems may include:

1. **Delayed information delivery** – In some cases, parents or students do not receive necessary information on time.

2. **Teachers' lack of skills in using information systems** – Some educators face difficulties in working with technologies.

3. **Low parental involvement** – Some parents do not actively participate in the educational process.

4. **Lack of feedback** – Parents and students may not have the opportunity to share their opinions with teachers.

5. **Technical issues** – In areas with poor internet quality, fully digitizing the educational process can be challenging.

Optimization Methods

To effectively organize communication through information systems, the following optimization measures can be implemented:

1. **Wide use of educational platforms.**

Educational institutions should introduce platforms such as Google Classroom, Moodle, and Microsoft Teams. These platforms help digitize the learning process and ensure the participation of all parties.

2. **Organizing training for teachers and parents**

Teachers and parents should undergo regular training on using information systems. This will improve their skills in working with technologies.

3. **Developing effective communication mechanisms**

Mobile applications, chatbots, and email notifications can be used to provide parents, students, and teachers with necessary information.

4. **Strengthening feedback**

Online surveys, feedback platforms, and web forums should be organized to allow students and parents to share their opinions.

5. **Creating a unified information system**

A unified information system should be developed for educational institutions to facilitate data exchange and monitoring. This system will enhance the transparency and efficiency of the educational process.

6. **AI-based personalized learning approach**

AI-based adaptive learning systems should be introduced to tailor educational directions to each student's unique needs.

Conclusion. Information systems play a crucial role in the development of the modern education system. To improve communication between teachers, students, and parents, it is necessary to widely use educational platforms, organize training, develop feedback mechanisms, and create a unified information system. These measures will enhance the efficiency of the educational process, strengthen mutual cooperation among all parties, and ultimately improve the quality of education.

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