

THE PURPOSE AND ADVANTAGES OF THE S-STUDY PLATFORM**Jasur Abdurakhmonov**

Vice-director of Academic Affairs,
Samarkand Regional Pedagogical Skills Center
Samarkand Uzbekistan

Abduraxmonovjasur8341@gmail.com

Abstract:

Digital transformation is becoming increasingly prevalent in the modern education system. The "S-Study" platform is intended for higher education institutions in Uzbekistan and was developed to organize independent learning, manage the educational process, strengthen teacher-student communication, and implement an automated assessment system. This article provides a detailed analysis of the platform's goals, structure, functional capabilities, security standards, and distinctive advantages. The significance of the S-Study platform in implementing the digital education program, introduced in accordance with the Decree of the President of the Republic of Uzbekistan No. PP-4477 dated 2019, its comparison with foreign analogues (Moodle, Google Classroom), its effectiveness in increasing student engagement, as well as its role in developing self-education skills through the SelfStudy module, have been studied in depth. As a result of the study, it has been proven that the platform is an effective tool for improving the quality of education, ensuring academic objectivity, and transparency of the educational process.

Keywords: S-Study, digital education, self-study, learning platform, information technology, assessment system, self-study, SelfStudy.

INTRODUCTION

In the modern education system, information and communication technologies (ICT) are becoming not only an additional tool but also a key factor that fundamentally changes the content, methods, organizational forms, and assessment system of education (Karimov, 2020; Abdullaeva & Usmanova, 2021). The main task for higher education institutions is now not only to provide knowledge in subjects but also to form 21st-century competencies in students: critical thinking, creative approach, communication, information literacy, and self-development.

Based on these needs, the Program for the Implementation of Digital Technologies in Higher Education was launched by Decree of the President of the Republic of Uzbekistan No. PP-4477 dated 2019. Within this framework, the S-Study platform was developed based on the

achievements of foreign and domestic educational platforms. It is not only a repository of files, but also a single digital ecosystem that ensures effective cooperation between all participants in the educational process - teachers, students, administration.

LITERATURE ANALYSIS AND METHODS

The "S-Study" platform was developed on a scientific basis, and its core principles are based on the theory of connectivism (Siemens, 2005). According to this theory, knowledge is formed not only within the individual but also in the interconnection of networks, connections, and information sources. In this context, the S-Study platform centralizes knowledge sources and provides easy access to them.

The platform also supports "flipped classroom" technology. In this method, students study materials on the platform before the lesson, and during the lesson, they engage in discussion and practical work. This encourages active learning (Anderson & Bartholomew, 2020).

Research methods:

The descriptive analysis method—based on methodological recommendations for working with the "S-Study" platform—analyzed the platform's components, functions, and capabilities.

Comparison method - the S-Study platform was compared with foreign educational platforms such as Moodle and Google Classroom.

Statistical analysis: Student activity was analyzed based on reports available in the S-Study system, such as the SelfStudy Report, Student Login Report, and Group Report.

The systematic approach—the role of the platform in the educational process and its relationship with other systems—has been studied.

RESULTS AND DISCUSSION

1. Purposes of the S-Study platform

The main objectives of the "S-Study" platform are:

- Expanding opportunities for self-education through digitalization;
- the platform allows students to study at a time convenient for them, regardless of their geographical location. Through the "SelfStudy" module, students can work independently with video lessons, tests, and practical assignments;
- complete digitalization of the educational process;
- all course materials (syllabus, lecture slides, tests, assignments) are placed on a single platform. This simplifies management for teachers and allows students to quickly find the necessary materials;
- ensuring teacher-student cooperation;

- Communication is facilitated through announcements, forums, comments, and private messages. Students' activity is encouraged by adding questions to each task or material;
 - Introduction of an automated assessment system, online tests, practical work, and written exams will be evaluated automatically. Points are converted into a GPA scale, and results are monitored in real time;
 - Introduction of modern "flipped classroom" technology
- Students study materials on the platform before the lesson, and during the lesson, they engage in discussion and practical work. This encourages active learning.

2. Advantages

The main advantages of the S-Study platform are:

Advantage	Description
User-friendly interface	Simple, intuitive design. A mobile application is also available.
Integration	Seamlessly works with Google Docs, Drive, Forms, and YouTube.
Security	Data is protected with SSL encryption and is not used for advertising.
Multi-language support	It is available in Uzbek and English, with the possibility of adding other languages in the future.
Modular structure	Each feature works as a separate module: course management, SelfStudy, reports. This makes it easier to customize the system.
Automated reports	Student activity, grades, attendance, and development dynamics are presented in a complete report form. Parents will also be automatically notified.

3. Comparison with foreign analogues.

Criterion	S-Study	Moodle	Google Classroom
Language	Uzbek, English	80+ languages	50+ languages
Integration	Google services	SCORM, LTI	Google services
Evaluation system	Automatic, GPA, reports	Automatic	Semi-automatic
Security	SSL, stored as data	Open source	Google Security
Eligibility for Uzbekistan	Perfect match	General	Restricted

Reports	In-depth analysis for parents	Average	Restricted
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The S-Study platform is superior to foreign analogues in terms of adaptation to local needs, manuals in the Uzbek language, and an assessment system suitable for the Uzbek education system.

4. SelfStudy module: the scientific basis of independent learning.

The "SelfStudy" module is the core part of the S-Study platform. It is based on the following principles:

- 1) Self-regulation - Students set their own learning plans.
- 2) Reflection - Evaluates their performance after each task.
- 3) Automatic feedback - Results are displayed immediately after tests.
- 4) Individual system - Individual development dynamics for each student.

According to statistics, students who used the SelfStudy module in the "English" course received an average of 87 points, while the average score for the same subject was 76 points. This indicates the effectiveness of the module.

CONCLUSION

The S-Study platform is aimed not only at digitizing the educational process but also at fundamentally improving its quality. It functions as a modern educational ecosystem that puts the student at the center, supports independent learning, and provides an opportunity for self-assessment.

The main advantages of the platform - convenience, security, integration, automated assessment and analysis capabilities - make it an effective tool for higher education institutions in Uzbekistan. Through the "SelfStudy" module, students will have the opportunity to self-educate, reinforce knowledge, and monitor development dynamics.

In the future, the platform's effectiveness can be further enhanced by adding new features such as artificial intelligence elements, personalized learning plans, and automatic question generation.

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