

**GENERAL FEATURES OF THE S-STUDY PLATFORM****Jasur Abdurakhmonov**

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**Abstract:**

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, form, methodology, and assessment system of education. In this context, the S-Study platform was developed as an integrated, unified digital educational ecosystem for higher education institutions in Uzbekistan. This article provides a detailed analysis of the platform's general capabilities - course creation, placement of educational materials, self-study, communication tools, automated assessment, analysis, and reporting. The platform not only allows teachers to manage courses, assign assignments, and organize tests, but also allows students to study independently at any time and in any place, evaluate their knowledge, and track results. Additionally, the platform's modular structure, integration with Google services, security standards, multilingual capabilities, the mobile application, and the communication system with parents were comprehensively studied. As a result of the study, it has been proven that the S-Study platform is an effective tool for digitalizing, transparency, and increasing the efficiency of the educational process.

Keywords: S-Study, digital education, learning platform, course management, SelfStudy, automatic assessment, analytical reports, teacher-student communication.

**INTRODUCTION**

Information and communication technologies (ICT) are becoming increasingly prevalent in the modern education system. The main task for higher education institutions is not only to provide knowledge in subjects, but also to form 21st-century competencies in students - critical thinking, creative approach, communication, information literacy, self-development (Karimov, 2020; Abdullaeva & Usmanova, 2021).

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:

Based on the descriptive analysis method—"Methodological recommendations for working on the S-Study platform"—the platform's components, functions, and capabilities were analyzed.

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. General capabilities of the S-Study platform

The "S-Study" platform has the following main functional capabilities:

Opportunity	Description
<b>Course management</b>	Teachers create courses, add students, assign subjects, and create class schedules.
<b>Placement of materials</b>	Lecture slides, video lessons, PDF documents, external links will be uploaded.
<b>Assignments and tests</b>	Students are assigned tasks, tests are organized, and they are automatically assessed.

<b>Communication tools</b>	Announcements, forums, comments, and direct messages make communication easier.
<b>Analytics and reports</b>	Student activity, grades, attendance, and development dynamics are presented in full report form.

## 2. Create and manage a course

Creating a course via the Academics menu of the S-Study platform is carried out in the following 8 stages:

Optional Subject - Selection of optional subjects.

2). Section - Division of groups into subdivisions.

3). Group - Organization of new study groups.

4). Subjects - Enter the list of subjects.

Assign Group Teacher - Assign a teacher to the group.

Assign Subject - Grouping subjects.

Group Room - Designation of classrooms for the group.

Group Routine - Creating a lesson schedule.

This modular structure facilitates system adaptation and simplifies management.

## 3. Placement of educational materials.

The following sections are available on the S-Study platform for posting educational materials.

Study Material - Upload materials such as PDF, Word, video, image.

Lesson Plan - Include lesson plans, topics, and goals.

Download Center - Share all materials with students.

For example, in the "English Language" course, video lessons, test assignments, and practical work are uploaded for each week. Students can view or download them at any time.

## 4. Self-study.

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

Self-management - students determine their own curricula.

Reflection - evaluates their performance after each task.

Automatic feedback - results are displayed immediately after the tests.

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.

### **5. Communications**

The platform ensures effective communication between teachers and students:

Announcements - General announcements will be posted.

ToDo - Takes notes on assignments.

Discussion Forum - Students communicate with each other through a Q&A forum.

Email - Communication via private or group messages.

Notifications - Automatic notifications about new assignments or announcements.

### **6. Analysis and reporting**

The "Reports" section of the S-Study platform allows the teacher to:

Student Report - monitoring the progress of each student.

Exam Report - statistics of test results.

Guardian Reports is an automated report for parents.

Progress Card Report - the dynamics of a student's development.

User Log - all student actions are documented.

## **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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