

## PORTAL NATIONAL UNIVERSITY OF UZBEKISTAN

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### ABSTRACT

*In this article the being considered architecture portal National University of Uzbekistan and a range of interactive services.*

**KEYWORDS:** *E-Government, Information Systems, Portal, Interactive Services*

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### INTRODUCTION

Informatization of the society is a set of measures targeted at providing the society members with the full and timely access to reliable information, and this process depends on the degree of acquiring and developing information technologies.

Informatization is not only technological, but also social and cultural process that affects the ways the society lives. Currently, the term "information-oriented society» is used by people of both the sphere of information technology, and by politicians, economists, scientists. In most cases, this notion is generalized by the development of information technologies and telecommunications that create possibilities for the society to make a new evolutionary leap at the civil society platform and to step into the information age as the informational society.

The Presidential Decree number 1989, "On the measures on further development of National informational communicative system of the Republic of Uzbekistan", is an important factor of improving informational sphere. According to this Decree, a special program was adopted on developing the infrastructure of telecommunication technologies, branches, and connection during the period of 2013-2020. In order to implement the Decree, the center of developing the system of "E-Government" and the center of providing information safety. The work of these centers is oriented at such important tasks as rapid development of the resources, system, and branches of information in our country. In order to carry out the above mentioned tasks, various projects are conducted at the NUUZ in order to create its e-portal using the latest technologies.

The portal of NUUZ is a web-programme, it provides the users (students, professors, the staff) with the access to the segregated information resources of the university for effective performance. Online services of the NUUZ portal include educational services provided for the citizens. For instance, it provides such services as online application, e-requests, entrance to educational establishments, and presenting educational scholarships, online tests for knowledge assessment, e-schedule, parental information about progress and attendance of their children, e-library, and the system of e-catalogues, the system of participating in educational courses, and others.

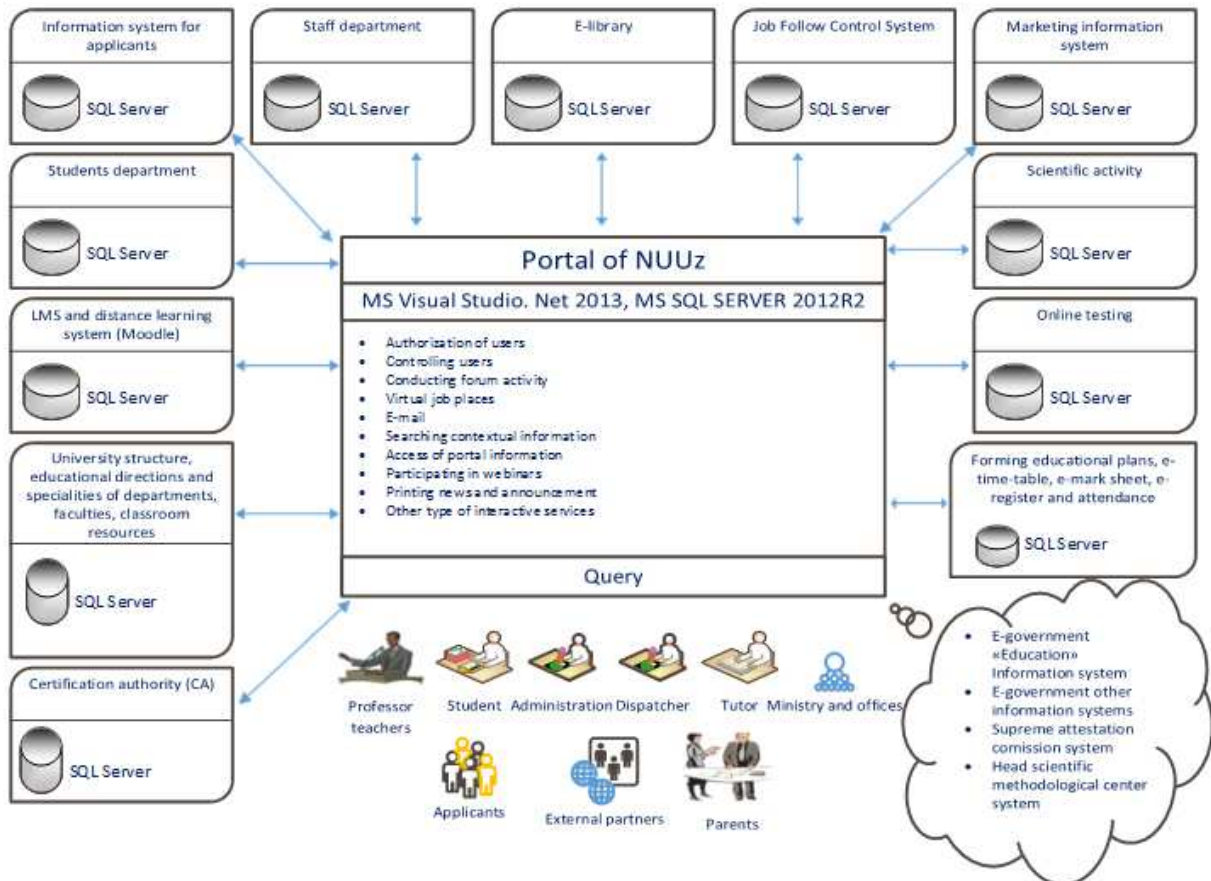
Currently, the specialists are working on integrating the information system of the NUUZ and the state

portal. The users registered at a single ID system (ID.UZ) acquire opportunity to fulfill their functionals at the HEE.

The portal of the NUUZ is developed in integration with the informational system of the university's (EES). The portal of the NUUZ can be divided into two parts:

- planning and carrying out the educational process;
- providing the staff of the NUUZ with the internal information

The portal of the university has the following architecture:



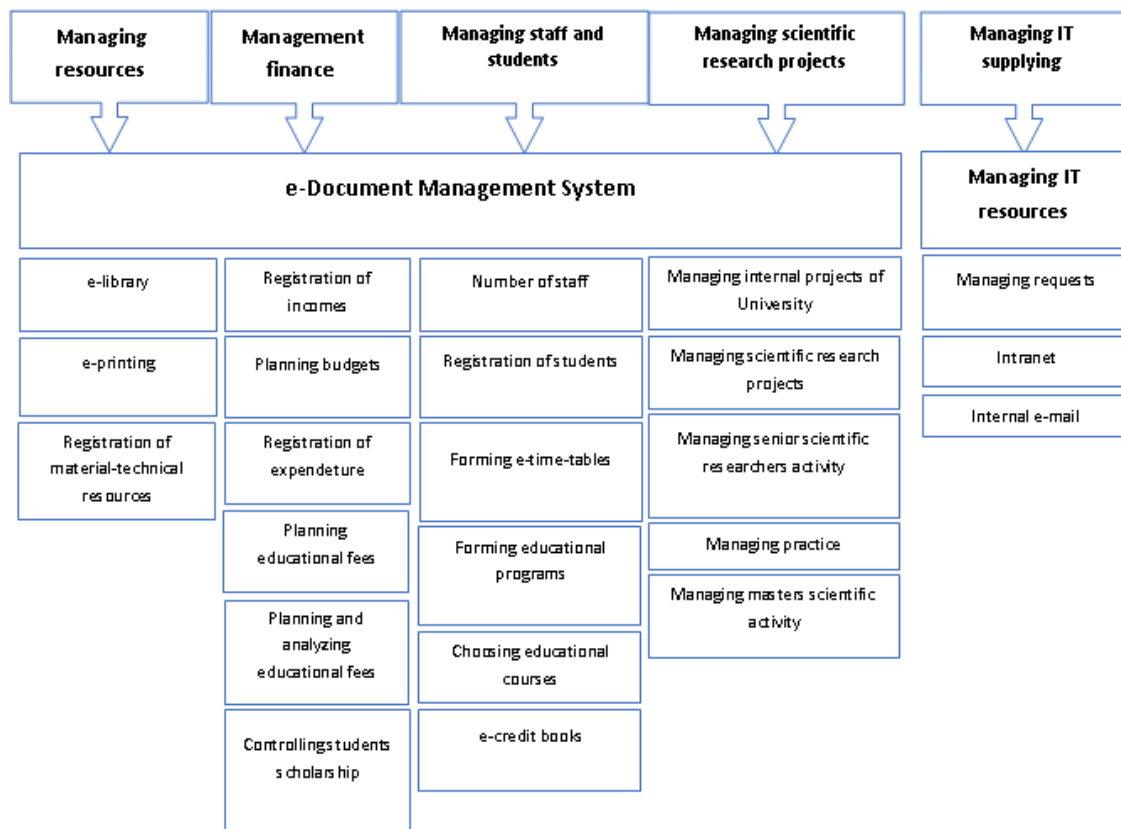
**Graph 1: The Architecture of the University Portal**

In order to fulfill the above mentioned functional tasks the following system services must be developed:

- **Educational Process Organization Services:** The educational process of these services is conducted via internet; and it helps to develop and publish educational materials, to create opportunities for communication between students and teachers, and to evaluate the knowledge they acquire during the course.
- **Users' Information Exchange Service:** These services provide the users with the possibility of communication required for discussing the issues or problems that appear during studies between students and professors, partners, and comfortable means to prepare the curriculum.
- **Services of Centralized Management of Information Storage, Systematization and Publication, User Access:** This type of services controls the resources allowed for the users in systematic and regulated form.

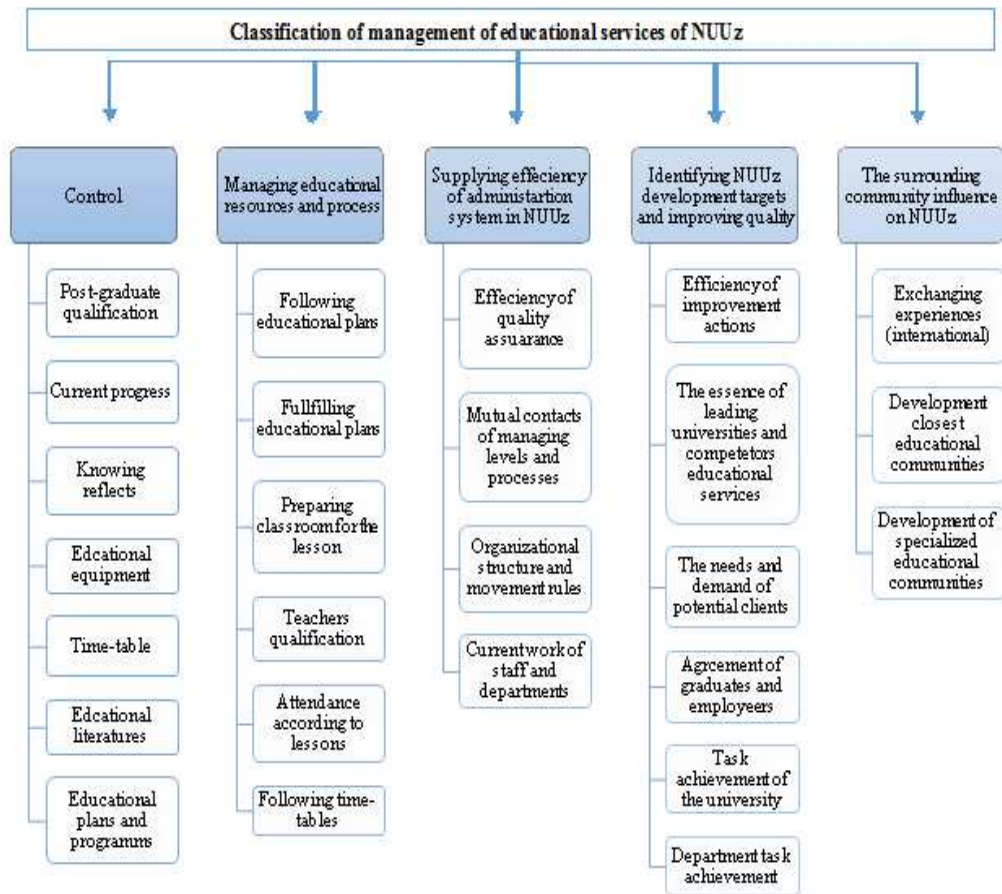
- **Staff Control Services:** These services control the discipline of carrying out the administration decisions by the staff members. This leads to the monitoring of the decisions fulfillment, information route, reports of various types, meetings (seminars, presentations) and webinars organization.
- **Staff Time Planning Services:** These services are targeted at effective planning of the methods of fulfilling the appointed tasks.
- **Services of Developing and Fixing the Jobs for Users.** This type of services helps to create simple and convenient means for each user to use only the resources of the information system appropriate for them.

Business processes realized through the portal of the NUU are presented in the graph 2. The Electronic Educational System (EES) is the main service that provides planning and fulfillment of the educational process at the NUUz, as well as presents educational process of the NUUz to the users. The following business processes must be carried out at the portal of NUUz:



Graph 2: Business Processes Portal of NUUz

Classification of management of educational services of NUUZ are given [2,3] following architectures:



**Graph 3: The Scheme of Controlling Educational Services at NUUZ**

### Learning Management System (LMS)

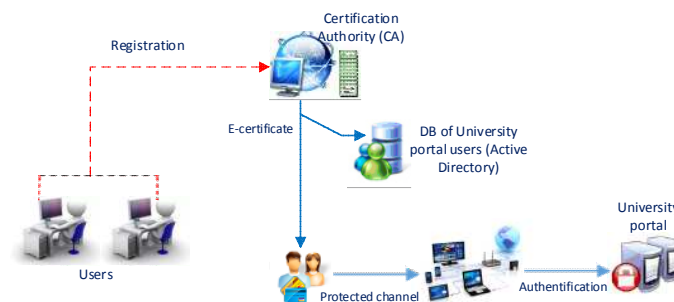
By implementing the LMS at the NUUZ, the desired user receives possibility [1] to carry out his/her activity in the educational process through the internet. The following functional possibilities are presented through the NUUZ:

- Organizing the educational process;
- Developing curriculums and schemes of classes;
- Developing and publishing educational courses at HTML, PDF, Doc, and other formats;
- Synchronic and asynchronic seminars (webinars) organizations;
- Monitoring students' knowledge assessment using various forms (formats) of tests;
- Using automatic evaluation systems for studying educational material;
- Providing authorization process for applying to informational system;
- Supporting mutual information exchange for interior users of the NUUZ;
- Developing the content of educational courses (subjects) of the NUUZ in partnership;

- Timely access to the existing announcements and news in the educational process of the NUUZ;
- Using the interior info-exchange system of the educational process;
- USING virtual automatic vacancies.

### Applying for the Portal Information

After users get registered at the university portal, depending on the type of users (students, professors, heads of chairs, vice deans, deans, head of the educational department) they form appropriate electronic educational system web-interface. The process of registering and applying for information is presented in graph 4:



**Graph 4: Scheme to Apply to the University Portal**

## CONCLUSIONS

Currently, the NUUZ specialists are working on identifying the measures targeted at creating the information database and information system complexes through the portal of the university, integrating into the interactive services of state organs.

By creating the portal of the university, the following possibilities will appear:

- Observing processing the documentation and their state in real time;
- Possibility to control the fulfillment of the tasks assigned;
- Timely delivery of the decisions made and tasks assigned to the executors;
- Evaluating the publicity of the powerful statistics system installed into the portal management system, and evaluating the events organized, and the measures taken to work with clients;
- Timely circulation of the documents among departments;
- Decrease in the expenses on administration of the system;
- Improving the quality of answering questions and responding to the petitions (all the questions and petitions are saved in the register);
- Possibility of applying the required and open documentation through internet;
- Centralized document saving;
- Simplifying the process of preparing and publishing the information existing in the portal;

- When in problem discussion a large number of people are participating, constructing communication on the basis of "by majority votes" model;
- Any staff representative can make their contribution in solving common corporative tasks at any time and from any place;
- A relatively rapid exchange of information connected with the NUUZ;
- Decreasing the amount of time spent on spreading important information among all interested people;
- Targeted orientation on people interested in multiple information sources;
- Delivering the important information to the disposal of all the interested people;
- Possibility to access the documents at any part of the day and their electronic archiving;
- The absence of the necessity to be connected to the office, and increase in outsourcing possibilities;
- Direct access to corporative information;
- Providing the electronic job with information materials, documentation, information, communication possibilities, and others by the users;
- Decrease in the need to meet privately, and in the business trip expenses;
- The employees spend less time on solving economic problems and concentrate fully on the main functions;
- The employees have opportunity to learn from each other;
- The employees have always got possibility to do their jobs (even if they are not at their desks);
- The decrease in the loss of the intellectual property due to their instability;
- Making more simple to enter the necessary information resources of the establishment by limiting access of the employees to the secondary or unnecessary information;
- Rising safety of the information installed into the portal, archive and automatic reservation of the information;
- Raising information safety by limiting non-authorized users' access to it;
- The rise of internal corporative information saving.

#### REFERENCES

1. Leda A. Sysoeva. *Models of processes to organize learning for the competence-oriented educational programs at the level of disciplines. Journal of International Scientific Publication: Educational Alternatives, Volume 11, Part 2. 169-192*
2. Nass, O. V. (2009). *A model of competence of teachers in the creation of computer tools. Education today: 8, 60-62.*
3. Baydenko, V. I. (2012) *Design and realization of the competence-based focused educational programs of the higher education: European experience / V.I. Baydenko, N.I. Maksimov, N.A. Selezneva. – M: FGBOU VPO "MG TU named A.N. Kosygin" , 2012. – 153 p.*
4. Mustafina A. K. *Electron services in educational processes. Materials of II international scientific-practical conference "Informatization of Society". Astana, 2010. P.306–309.*