

E- administration is the future of public job.

The Algerian University as a model

**مستقبل الوظيفة العامة في ظل التطور التكنولوجي، الرقمنة والتوجه نحو
اتمته الاعمال الادارية.**

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Abstract:

Through the papers of this intervention, we are trying to reveal the future of the public service in light of the application of electronic administration at the Algerian University. In addition, it presents some concepts related to electronic administration and the public function. Explaining the effects of electronic transformation of public administration at the Algerian University. Finally, it sheds light on the reality of electronic administration at the Algerian University, while presenting the most important achievements that have been achieved by administrative work in light of the technological development witnessed by the world today.

Keywords: Electronic Administration, Public Service, Algerian University.

Introduction:

Electronic administration is an important tool for advancing the public service. Recently, researchers have increased their studies looking for the best ways can the public service benefits from E-administration. A considerable volume of literature has been published on E-administration, because of the wide spread of the Information Communication Technologies (ICTs) in the field of administration. Regardless of the progress in the area of E-administration, the major problem of the public service in the Algerian University persists of using old methods (traditional) in management. Debate continues about the best strategies for the management of the public service in the Algerian university. However, the relationship has not been strongly established between the E-administration and the

evolution of the public service. The main purpose of this paper is to gain an understanding on how can E-administration be the future of public service modernization. For that purpose, the paper will try to highlight these three main subjects:

- **Conceptual Framework.**
- **Electronic transformation in the general administration of the Algerian University.**
- **Electronic administration at the Algerian University.**

1/ Conceptual Framework:

A- E- Administration definition:

The definitions provided by thinkers and researchers varied in their definition of the term Electronic management, where they dealt with this concept and explained it from aspects and angles (Jorgenson, 2001, p. 65).

In light of the proposal presented to researchers and scholars' trends in defining electronic management, its most important features can be summarized in the following points:(Najm, 2009, p. 157).

- Develop and improve organizational structures and administrative work procedures in line with the objectives of electronic management.
- Employing modern technologies in the field of information and communications in accomplishing the tasks and functions of the administrative body.
- Automating all administrative activities, constantly updating them and simplifying their implementation to ensure raising the level of efficiency and effectiveness.
- The development of intellectual capital, which is embodied in the ability to sustain knowledge growth and employ it in order to exploit resources efficiently and achieve goals.

The view of electronic technical administrative thought goes beyond the mechanization or automation of work departments within the organization as separate procedural processes, to the methodology of integrating data and information between different and multiple departments, and investing that data

and information in achieving the goals of the institution, in light of procedural practices characterized by flexibility and response to emergencies and successive variables that It has become a feature of the times.

B - Public Service definition:

A public service is any service intended to address specific needs pertaining to the aggregate members of a community.

Public services are available to people within a government jurisdiction as provided directly through public sector agencies or via public financing to private businesses or voluntary organizations (or even as provided by family households, though terminology may differ depending on context). Other public services are undertaken on behalf of a government's residents or in the interest of its citizens. The term is associated with a social consensus (usually expressed through democratic elections) that certain services should be available to all, regardless of income, physical ability or mental acuity. Examples of such services include the fire brigade, police, air force, and paramedics. (Public service, 2022)

2/ Electronic transformation in the general administration of the Algerian University:

The higher education sector in Algeria has begun to build an internal network, the Internet project, which undertakes the tasks of linking all sector institutions within one program to be able to build a database with two main parts:

Information related to the administrative aspect, equipment, human and financial resources: which has been linked to the administrative structure and its various levels within the sectors, as it allows the exchange of information and data, and provides comprehensive information about the various resources of the sector.

Information related to the pedagogical aspect, management and engineering of higher education: It can be said that this aspect contains a number of branches, specializations, training calendar, students, various classrooms, lectures, laboratories, and others.

In support of this initiative, the provision of equipment has been circulated, and training has been conducted in order to rehabilitate workers in the field of use, in addition to the existence of another project in the higher education and scientific research sector known as the geographic information system, which reduces universities to a digital geographical map, and the sector rises to support this project with a catalog on Equipment in the sector, its technical characteristics, and segmentation of statistical analyzes based on digital data.

3/ Electronic administration at the Algerian University:

Within the framework of modernizing the administration and keeping pace with the change taking place in the environment of public administration, the Ministry of Higher Education and Scientific Research has worked to try to upgrade an administrative model in line with the goals of the higher education and scientific research system. Academic and training, as there is a clear tendency to improve the services provided to students and professors, through linking many universities, in addition to providing the network for new methods of training.

The importance of the transformation of electronic management, and the provision of opportunities for success to the methods and ways of working of the university, has become a necessary requirement dictated by the conditions of the political, economic, and social reality of civilized peoples, especially in light of the shift towards the concepts of e-learning, virtual universities, and distance education, one of the new paths that came from Before developed countries, seeking to embody it in practice within their universities.

With regard to the various technological transformations aimed at the application of communication and information technology, and the concepts of e-government in the Algerian University, it is possible to start from the project of the European (**Avicenne**) Committee, which aims to support the initiative of the virtual university, and raise the level of Mediterranean universities, by creating network links Among them, it leads to the development of education systems by means of technology.

The virtual university project poses many problems, identified by **UNESCO**, which was interested in studying this project, where among the challenges that were recorded is the issue of high cost, and the inability to take care of technological spending, as well as the need to open up to the private sector, as one of the poles that covers the deficit The state, and opening the way for him to contribute to supporting the field of education, research and training.

Here, the leading role of **LEEPAD** can be recorded and the important role it plays in network coverage and attempting to generalize access to it, within the trend towards openness of the network to customers and training institutions, as it contains a base structure of pedagogical resources within the line, amounting to a resurgence The development and upgrading of the distance education system. (-" Qui sommes- nous", 2022)

The Internet has been relied on by institutions of higher education and scientific research in many fields, as many laboratories, research centers, and universities have full coverage by the network, and this is in line with the urgent need of the sector to keep pace with technical and technological development.

Thus, the search for ways to develop this sector, in light of the emergence of new concepts and approaches to improve the type of services in this sector, and develop its profitability, which is now expressed in the quality of higher education; The application of electronic services in Algerian universities aims mainly to achieve a number of goals, including qualitative development and modernization of all management methods, in order to ensure high speed in the performance of tasks, and support the development of various activities related to scientific research, integration into the information society, and benefit from the experiences formed by the university. Or you are attracting them, as various Algerian universities have worked, along with the centers, to try to activate electronic management techniques, which can be reviewed through:

University registrations: where the Algerian university provides general electronic services for the benefit of students who hold a new baccalaureate degree, and gives them - the university - an opportunity to benefit from the initial registration services via the Internet by filling out a desire card in the form of an

electronic form, which is made available as soon as the results of the baccalaureate are announced via websites that are:

www.mesrs.dz

www.orientation.ini.dz

www.ini.dz

The initial university registration process is carried out according to the following stages:(Pre-registration, guide for new bachelors, 2008, p. 6.10).

A / Fill out and send the electronic card:

through these sites, the student can participate through the online portal to participate in the arrangement, where the electronic card is sent for the initial or initial registration through the websites shown above, and the student can enter through the personal code given to him in the list of points, and the routing process depends on the national information processing of the desire cards for holders of (baccalaureate certificates)

The list of fields, common logs, and branches that the new student can benefit from and register within is also known, which the students view through the aforementioned websites, download and print.

The information program also provides timely alert to the student who is in the registration process, if he makes any possible error, for example: the information program rejects the choice that does not correspond to the baccalaureate mark, which allows him to avoid and avoid a certain field of the electronic form of desires, and thus lose the right to One of the options, this is what was present during traditional recordings.

Thanks to the electronic form, the student is given the possibility to correct and amend his card a second time after it has been deposited, that is, to amend and correct desires a second time; However, the second time, the deposited electronic form is accepted, and it represents the final form, which contains the names of the branches and their symbols in an orderly manner according to the student's desires and results.

B / The stage of reviewing the results of the orientation:

After submitting the electronic form, the choices are subject to the national information processing system, and within this processing, the arrangement and orientation are made according to the branches, taking into account the results of the national processing.

The importance of the latter also appears in that it provides an element of neutrality, and transparency of dealing during orientation, as the dealing is done automatically without the interference of other factors, as the results of the orientation of each student are viewed by visiting and inspecting the websites of the initial university registration through the Internet via the line directly.

C/ Registration confirmation stage:

After reviewing the results of the guidance on the aforementioned sites, a stage comes through an electronic form obtained by confirming the registration of the aforementioned registration sites.

D / Appeals stage:

It coincides with the registration confirmation stage, where a student who is directed to a branch or specialty that he does not wish to register and study within, can submit a special appeal about his directive, and appeals are made via the line only.

And through the initial online registration form that was discussed, it can be said that this translates into an actual orientation of the university system to apply electronic public services, which allows it to achieve some privileges and achievements, which include:

- Eliminating the phenomenon of queuing in the primary registration centers within universities
- Cost reduction (student travel and transportation costs)
- Rationalizing the use of resources within universities, and keeping them for urgent need (all organizational resources)
- Speed and accuracy in providing online services
- Keeping pace with the development taking place in the higher education system, as is the case in developed countries, as an essential step in the transition towards virtual universities.

In addition, the initial registration sites on the Internet provide electronic public services, enabling the student to view the conditions for benefiting from university services (grant, feeding, transportation). Universities and university centers, such as making it possible to announce the opening of competitions, and announcing the results through the university's website, and all this aims to go towards the virtual university project, which is being prepared within the strategy of Algeria's electronic.

The application of the Student Portal for the Digital Terrestrial **PROGRES** on the **Playstore** in the coming days ... This is the address of the Ahmed Derayah University website in Adrar about the new project for student digitization (University of Ahmed Draia-Adrar-Algeria, 2022).

The Ministry of Higher Education and Scientific Research is working on making the **PROGRES** Student Portal application available on the **playstore** research engine during the next few days, according to what was announced by Mr. Haraqmi Kamal El-Din, Director of Digitization at the Ministry of Higher Education and Scientific Research. The student portal enables students to view the schedule of exams and points Continuous tests and evaluation, in addition to points statements and scales with debts, as well as university registrations and academic vacation with baccalaureate information. University students can download the application at the link:https://drive.google.com/file/d/1ZHm3WKUjkw-JGPCn3NU30D6i_pIvHz5/view

With the following steps:

- **Username:** baccalaureate year and baccalaureate registration number

Example: the baccalaureate year 2021 and the registration number 35011111, the username becomes "202135011111"

- **Password:** the secret number found on the baccalaureate points statement.

The Director of Digitization at the Ministry of Higher Education and Scientific Research indicated that students who obtained the baccalaureate 2022, their accounts will be activated soon.

The Ministry of Higher Education and Scientific Research also announced the official launch of the “**MyBus**” application for university transportation.

According to the ministry's statement, the application will now provide its services at the level of 10 lines. Before expanding to all national lines, at the end of the current year and the beginning of the next.

The application can be downloaded by scanning the square code shown in the statement, pending its publication on the Google App Store, <http://apps.mesrs.dz/mybus.apk>, according to the ministry.

The Minister of Higher Education, Kamal Badari, oversaw the launch of an electronic application, “**MyBus**,” to enable students to instantly familiarize themselves with the university transportation network.

The Minister also indicated that this application will enter into force in October, and is related to the digitization of ten university transport lines. The University of Science and Technology HouariBoumediene belongs to Bab Ezzouar in Algiers. The implementation of this application will be generalized at the national level in early 2023.

Badari also highlighted that the digitization of the university transportation network, in a previous statement, aims to improve the level of university services. This is with the aim of enabling students to devote themselves to study, adding that the sector is working “to improve university services provided to students”.

Conclusion:

This paper argued that E-administration was important in the modernization of public service at the Algerian University. Through the application of E-administration, the Algerian University facilitated the life of both student and employee, by fulfilling their needs and attaining its goals. Despite the results achieved, the way is still too far to reach a real application of the E-administration.

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