

**THE TENDENCY OF USING THE INFORMATIONAL
TECHNOLOGIES IN PROFESSIONAL PREPARING
THE MILITARY LAWYER**

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INTRODUCTION

The improvement of computer technique, the software, creating the automated system of information processing, electronic databases and data banks, the most difficult of the analytical and expert system and the significant developing of several of telecommunications networks, including the global Internet, are changing the modern social relations essentially.¹

In the process of moving to the new and information type of society, the multiple spheres of human activity (economics, politics, science, education, culture and legal activity) are becoming impossible without using the information and communication technologies (ICT).²

The foreign and domestic researchers dealt with the problem of learning the ICT and its role in the educational process in the in the field of law. Particularly, the important aspects were analyzed in the papers of Meredith Hegney, O. V. Burtsevov, A. V. Druzhinino, A. V. Korepina, O. G. Leitner, V. I. Pavlovoi, Golovko, O. L. Dishko, T. V. Zubehina, N. B. Pavlishina and others researches.

The main concepts of ICT are given in these scientific papers, namely:

– “information technology – it’s the process, which uses the collection means and methods, processing and transmission of primary information for giving the information of new quality”;³

– “information communication technology – its collection of means and methods of giving, processing, providing the information, which directed to

¹ Проект Концепції розвитку юридичної освіти. URL: http://kno.rada.gov.ua/news/main_news/75465.html

² Про затвердження Положення про особливості організації освітнього процесу у вищих військових навчальних закладах Міністерства оборони України та військових навчальних підрозділах вищих навчальних закладів України: Наказ М-ва оборони України від 20 лип. 2015 № 346. URL:<http://zakon0.rada.gov.ua/laws/show/z1126-15>

³ Радченко К.А. Практико-орієнтований підхід як методологічний концепт формування професійної компетентності військових юристів. Збірник наукових праць НАДПСУ. Серія: Педагогічні науки. 2020. № 4(23). С. 276-290. <https://doi.org/10.32453/pedzbirnyk.v23i4.593>

the changes of state, properties, forms, content and which are realized in the users' interests";⁴

– “information communication technology – it's the process, which uses the collection of methods and data collection, processing and transmission as primary information, for giving the new quality of information about the state of object, process or phenomenon (information product), also for decreasing process labor intensity of using the information resources, increasing its reliability and efficiency”;⁵

– “information communication technology – base on the achievement the modern computer technics and tools communications, the collection of the processes of influencing for information, tools for obtaining a variety of information, also the way of interaction between members of modern society, the way of joint decision-making and new knowledge, the creating of the legislation, the developing of the legal system of the State as a whole”.⁶

From this definition follows that the ICT opens the new ability for formation of professional skills of law students. The use of ICT in the lecture and practice increases the level of learning, forms strong visual images in the mind, and allows the demonstration of practical material.

The typical operation (action) of the ICT is: collection and registration of information, enter of information, inference of information, saving of information, the accumulation of information, founding the information, analysis of information.

It should be understood that the main purpose of ICT is optimization of our time expenditures on the realized of professional action, also the quality and optimal and rapid selection of information which is needed.

According to the implementation of ICT in the educational process, decided to allocate the next main directions:

- Using the computer technic as a way of learning, improvement the process of teaching, which rises the quality and efficiency;
- Using ICT as a tool learning and self-awareness;
- Consideration the computer and others modern means ICT as an object of learning;

⁴ Івашкевич І. В. Особливості професійної діяльності юриста та структура його професійної компетентності. Наукові записки Національного ун-ту Острозька академія. Серія: Психологія. зб. наук. пр. Острог: Вид-во Нац. ун-ту. Осрозька академія. 2016. № 3. С. 79-93. http://nbuv.gov.ua/UJRN/Nznuoapp_2016_3_9

⁵ Трінгіна Н., Котелевєць С. Інформаційні технології в юридичній діяльності. Фізико-математична освіта. 2021. № 27(1). С. 89–93. <https://doi.org/10.31110/2413-1571-2021-027-1-014>

⁶ Федоренко О., Радченко К. Формування досвіду практичної діяльності у майбутніх військових юристів на засадах компетентностного підходу. Збірник наукових праць Національної академії Державної прикордонної служби України. Серія: педагогічні науки. 2021. № 22(3). С. 213-226. <https://doi.org/10.32453/pedzbirnyk.v22i3.523>

- Using the new ICT as a means of creative developing as a subject as an object of education;
- Using the computer technic as a means of automatic process control, correction and testing;
- Organizing the communication basing on the using means of ICT on purpose the transfer and acquisition of teaching experience, methodical and educational literature;
- Using the new ICT for organization of intellectual leisure.

Internet, mobile technologies, different computer programs, analytical and legal reference systems are easily and quickly mastered by law students and used in the self-preparing and in the educational process actively.

For the future military lawyer the use of ICT is needed for solving the several tasks:

- Giving the legal and legal information;
- Preparing the legal information for the future military and legal activities in units and units of the security forces;
- Sharing information among themselves;
- Increasing the efficiency of future professional action of military lawyer.

To purchase of knowledge and skills in the practical way of using ICT during the professional preparing of the lawyer students must be included the next guidelines:

1. The general theoretical preconditions and practical ways of implementing the legal informatization in the legal sphere;
2. The use of means the legal informatization in the military legal activities;
3. The legal information and legal informatization in military legal activities;
4. The modern computer technologies and principals it's used in military legal activities;
5. The information and computer technologies and work with legal and legal documents;
6. The sense, purpose, structure and classification of legal information systems;
7. The legal informatization in the activities of the future military lawyers;
8. The information security and computer crime;
9. The main way of cooperating in the international changing of the legal information and the prospects of developing the process of the legal informatization in the security forces of Ukraine.

So, the problem of the founding the real ways of organizing the educational process and solving the problem of professional preparation of the

law students during the learning at military law faculties is occurring. The law students must have not only the practical skills of computer technology, but must receive the knowledge in the field of legal security through the use of ICT.

In this case the purpose of researching include in the opening of importance of using the means ICT in the learning activities the military law students for increasing of quality the professional preparing of the law students.

1. The information technology as a means of educating law students in the educational area of the military legal departments

The requirements of the guidelines, which determine the educational activity of law students, demonstrate of needed the using the modern educational material resources and the educational progressive form and methods in the learning area of the law students.

According to this fact, there are a need and expediency of the learning process of law students which base on the use of modern automatic means of learning – the information communication technology. This needed for increasing of professional preparing and behavior the future military lawyers with the highest level of lawyer education and also for creativity using in the future practice of military lawyer activity the knowledge and skills and the most modern achievements in the military law, which are acquired.

The use ICT in the departments of law students must be use of the information transfer and networking between the teachers and law students. Also, the direct dependence between the efficiency of implementation the learning program and the level of relevant integration therein the information and communication technology must be formed.

In the learning sphere of activity, the military law students also can be use the informational social technology which is providing the general computerizing of all learning process for law students and the academic staff on the level which are allowed to solve the main tasks the theoretical and the practical learning.

The universal applications and tools of ICT as an animation, program preparing of presentation, simulation modeling (3D modeling) (simulation real object), database management, automatic system of methods to collect and process information, slides, graphics packages are suggested for the use in the learning process of military law students.

However, the use of modern ICT in the learning of military law students causes some difficulties of the teaching staff and of the law students in the same time.

With regard to teachers, they have to learn the basics of new technologies on your own, but this doesn't have the guarantee of high quality of learning and using information, which they gave and as well as a minor time resource. To sort out this problem need to be systematized the process of using ICT and also need to be organized the ongoing training the academic staff in the ICT area. Inappropriately when the learning activity of the military law students is computerized completely. Because the learning process of the future military lawyers, it is necessary to implement a communications orientation for learning disciplines.

However, to notice that on the one hand the computer forms for the competition, increases the new knowledge, develops the logical sense, but on the other hand computer limits the development of dialogue and monological ability of the student-lawyer, especially in the process of solving the nonstandard tasks. Based on this, the use of information and communication technologies in the learning process of the military law students needs to be as a one of the many means of learning and activation the learning activity in the professional training of lawyer students in their future military legal activity.

So, the use of ICT doesn't change the usually and didactic means but only add it in the process of learning the law students. The use of simulation and animation contributes to the improvement of learning material and experiments with the simulation of the legal situation open the new possibility of learning future law students. In this case, only the sustainable use of ICT will result in the most productive learning an, therefor, for the professional training of law students with the best quality.

2. The information technology's role in the improvement of professional training of future military students

In the training of law students of the military law departments, it needs to organize the training of the learning ICT for further use of acquired knowledge and skills in the future professional military law activity. In addition, the users' specialty program computer classes for creating legal scenarios and legal tasks in the training team are needed.

So, the law students will included in the process of acquired legal and law knowledge of information direction almost continuously. According to the education plan, the law students must spend all their classroom time in the computer classes.

The purpose of this approach in the learning of law students consists of their possession of funds, means and technologies for solving the professional oriental tasks by using the most modern computer and communication technologies.

The future military lawyer must have the basing skills and abilities of professional work with the legal information: identification, selection, evaluation, and use in final legal documents.

It is advisable to apply information technology training because this approach allows demonstrating the law students the practice using ICT in their future professional activity. Also, this allows to determine their relevance for solving professional law and legal tasks.

Therefore, for example, in the learning of text editor it needed to use the text, tables, and schemes from the books of the special legal disciplines. Also, to need to create the templates and electronic forms of documents which used in the legal practice. It is advisable to conduct the easiest statistic data calculations and analysis, builds the diagrams according to statistic of military crimes and offences by the electronic tables.

Thus, the use of ICT in the future law legal activity will provide to decrease of time spent and increase the quality of the adopted legal decision. For quality work of military lawyer, it needed to use the statistic data, analytical materials and experience exchanging with the professional group. In the most cases, all this information the military students give from informational technologies as a reference legal system, specialty databases of sectoral and intersectoral nature and from the other legal sources and the Internet. Now the informational technologies are becoming the integral part of the legal system, it is introduced in the all directions of legal activity the future law students actively.

The importance of using ICT in the legal area is explained to needed to use the ICT in the learning process in law area.

In this case, to the main didactic opportunity of electronic means the learning assignment, which can be used in the professional training the future law students, can be attributed:

- consistent or selective evaluation of theoretical materials;
- consolidating the learning materials by the traditional methods;
- learning the content of phenomena and processes by the simulation computer modeling;
- consolidating the learning materials by the specially designed test system;
- doing the virtual forensic laboratory works, giving the background information (work with electronic legal library and the legal document data) and others;

The legal training in the information communication aspects must include the next step:

- general theoretical preconditions and practical way of the introduction the legal informatization to the legal area;

- use of means in the legal informatization in the practical legal activity;
- modern computer technologies and using principals in the legal activity;
- information and computer technologies in the work with documents;
- structuring and classification the informational system of legal character;
- specific of legal informatization in the activity of the court, rules of justice;
- information safety and computer crime.

Between ICT, which uses in the learning process in the legal area, it should be noted the next:

- electronic presentations, interactive desks, web quest technology, interactive auditor, interactive system of voting, system of interactive interview.

The electronic presentations allow the teacher prepares the presentation all main points of the lecture with the few spent time.

The same lecture, which made by Power Point, is spectacular and therefore more effective. It needed to emphasize the importance of realized of the law students of the law colleges the working skills with the legal reference systems and information and legal systems.

The military law career demands the skills from of the future law students the founding the necessary legal database, judicial practice, and using this correctly. Teacher must help to do the same skills of the law students in the work with law sources.

The separate attention deserves an interactive board which is a convenient tool for organizes the learning and for the presentations, debates, colloquiums, conferences.

The transferring and doing skills of the law students will be more effective if the teacher can use the program tools the modern ICT. It is the one of the way to achieve the higher level and quality the lecture and practice, and the training of their own the law students before this lecture or practice.

Because of the law disciplines are changing quickly, the considering material in the lecture and practice is updated constantly. The modern information communication means made this process easier and quicker.

It necessary to pay attention the form of scientific presentation must be modern, use the interactive learning methods by using the multimedia equipment and others new forms of transmission and control knowledge.

3. The using the information technologies in the automatic learning means for training law students in their own

Considered the process of training law student on their own, using the ICT based on automatic learning means (ALM) for increasing quality the

professional training the future law students and in the solving the legal problem in extremely conditionals.

The correctly using of learning times leads to necessary of rebuilding the learning process because of using ICT on based the automatic learning means actively.

The purpose of the training the law students in their own is the developing and securing new material. It suggested the activity of the law students of the learning the real legal and law problem, making the virtual experiment, forming the conclusion and checking it correctly in their own.

The effectiveness and quality of the independent individual lecture depends on the detailed instruction, the building system of questions and tasks correctly, which corrects the activity of law students, understanding the outcomes. All these facts must realize in the addressing legal issues in appropriate scenario models.

The important role of this activity is also subject to the possibility of promoting of realizing the skills of the meaningful work, deepening analyses of the law and legal materials, which are learnt, and developing the researching skills.

Considers the approach and steps of the making of the model-plot and using an algorithm of the automatic learning means in making the legal solving with the law students in the extreme conditions, which are close to reality.

Defined the sequence of the process of training and making the legal decision by the law students using the ICT in the learning process based on the automatic learning means.

In this purpose, it suggested the step of training and making a legal decision by the law students in their own training for the doing of the model-plot of the making the legal decision in extreme conditions.

Considered the stages of simulation the algorithm of making legal activity of the law students using the automatic learning means in the practice for law students in their own in the solving the educational models-plots in extreme conditions.

Having been suggested in work, the stages of simulation algorithm the making a legal decision by the law students depends on the choosing model-plot in extreme conditions have the general character and can be adapted and changed in its own depending on the difficulties of models-plots.

The law students must evaluate the situation and forms the choosing of variant the making legal decision not only depending on the legal and law features, which are in this problem, but in the moment of realization. Therefore, it can be argued that the any sign of information is used as a control task and management in the relative to the time of its implementation.

It suggested the next working algorithm of simulation model-plot for the choosing of variant the right solving legal problem in extreme conditions.

On the first stage the simulation model-plot, which is used for the describing and analyses the law and legal features, inheriting in the legal problem, is introduced by the law student himself.

On the second stage of the algorithm for the current legal situation of the bank, in which save the laws and legal acts, is formed the multiplier of information and signs models, which have the same behavior earlier, in the partly adequate legal situation.

On the third stage of the algorithm based on the formal rules, the possible decisions are made. These decisions comparing with the number of decisions, giving from the bank of the legal data, and limited number of the most appropriate legal solutions are made, which are close to signs model-plot the solving problem.

On the fourth stage of the algorithm the prediction of the developing the process to every legal decision is occurring. Having evaluated its consequences of the legal decisions by the law students and their integral characteristics are produced.

If the wrong variant was chosen, i.e. was choose the inadequate variant the possible legal decisions, the situation forecasting subsystem produces signal on the repeating of analyses the legal situation and the cycle is repeated.

The model of conducting the class in their own, which allows the law students improve their practical skills of solving legal and law tasks in extreme conditions in real time was modelled based on the using ICT on the base on automatic learning means (ALM) in the learning process.

Suggested approach and stage of making model-ploy and algorithm of automatic learning mean can be recommended in legal decision-making by the military lawyer in the self-training for the military legal activity in extreme conditions.

For the realization the stages of training and legal decision by the law students in the self-training with using the automatic means of learning it need to found the scenario model construction procedure, which, on the one hand, is quite easy in realization, and, on the other hand, allows to creating the sufficiently accurate and adequate model (algorithm) the process of making legal decision in the extreme conditions.

The model of solving the legal tasks in the self-training of the law students demands the higher accuracy and difficulties, which are in this:

- Ability to analyses primary information with the data bank, which has a legal and law activity;
- Forming and improvement in the law students the professional skills in the at predefined model deviations on the model prototype standard legal

decision-making, i.e. modelling error, which provide the necessary effective for the learning the law students.

For the justification of the main approaches for the making of model-plot, solving the legal problem in extreme situations, in the learning process of law students in the their self-training it seems appropriate to consider the flow chart, which determines the sequence of the separate stages of the general algorithm the solving problem in the extreme situation.

For this purpose it made and suggested the block diagram (Figure 1) of the sequence the training and making the legal decision using the ICT, which based on the use automatic learning mean.

The starting position of this scheme (Figure 1) serves the separate particularly legal model-situation, which must be realized in the automatic learning mean. In this mean the legal decision in a given baseline situation in extreme conditions is made based on the model (algorithm).

The signal “Yes” is coming and gives a decisive command about the choosing legal situation in the correct way of choosing for making decisions from the respective module of the selected legal model to the program module the automatic learning means.

If the legal model for problem legal situation chooses incorrectly, the signal “No” from the respective module of the selected legal model to the program module of automatic learning means will come to the program module “Learning model-plot in extreme conditions”. This cycle is repeated until the correct variant of making decision about the legal situation in extreme conditions would not be chosen.

Furthermore, in the repeating cycle of choosing the legal model the law student can send a request to the module of automatic learning means for the tips as a practical recommends in the choosing the legal decision.

So, the using of this algorithm in the learning process in the self-training of law students allows:

- increasing the skills in the evaluation of legal law nonstandard situation by the choosing the learning legal model from the database “Learning model-plot in extreme situation”, which is close to the real legal model of making a decision of the legal situation in extreme conditions;
- increasing the skills of choosing the correct decision for the problem legal situation by the many repetitions of the activity of the making decision of the legal situation in extreme conditions.

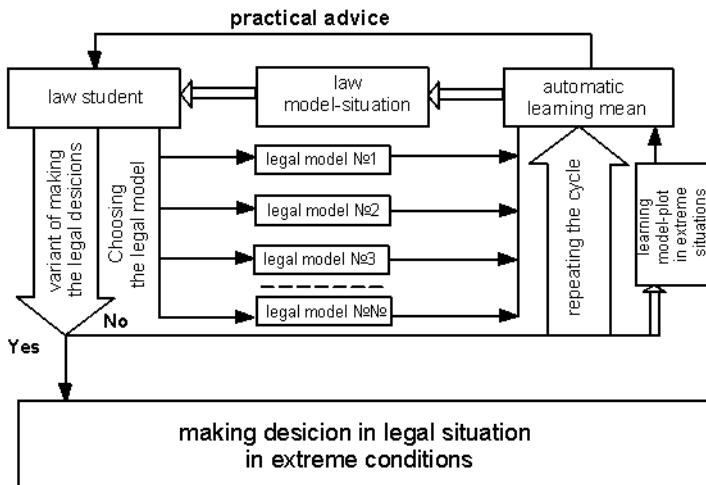


Fig. 1. The general algorithm of making a decision on the legal situation in extreme conditions in the self-training the law students

CONCLUSION

It conducted the researching learning area the military law departments, which is shown that the serious problem is insufficient attention to the pedagogical methods and forms of learning law students for increasing skills in the solving legal tasks based on the using the modern information technologies.

It suggested that for the increasing level of professional training the law students in the learning process the military law departments of institutions of higher education of Ukraine the modern information technologies in automatic leaning means for the simulation and doing nonstandard legal tasks, which are characterized for future military law activity, must be used.

The approaches, stages and algorithm of self-training the law students with using the ICT based on the method of situation simulation is designed. That fact allows increasing the level of skills in the solving nonstandard legal tasks in extreme situations dramatically.

It showed that the informational technologies made access to information easier and opens the ability of the variation learning activity, and creates conditions for the realization of methods, which are activated the creativity and organized all entities on the new level.

The role and location continuing professional training in the ICT of law students and academic staff on the military law departments in the all kinds of learning activity: lectures, seminars, practice and laboratories are defined.

So, the analyses of theoretical developments and practice of using the ICT allows to claim that the improvement of ICT in the learning process is the necessary condition for increasing the quality of military law education because it speeds up the transfer and assimilation of knowledge and experience the future military lawyers.

SUMMARY

It analyzed the means of ICT and its role in the learning process in the law area in the modern conditions of reforming the system of legal education.

The promising area of professional training of legal personnel in the modern system of higher legal education, which provides the necessary base for the future military legal activity, is opened.

The tendencies by using the ICT in the professional training of the pedagogical technologies in the learning process on the military legal departments are considered.

It showed that the ICT provides the use of the innovation pedagogical technologies, which are directed on the increasing motivation, activities of law students developing the learning interests and contributes to the development the analytical critical thinking and communicative interaction.

It justified that the effective using of law students the ICT provides the decreasing the time spending and increasing the quality of legal decisions.

The statistic data, analytical materials, exchanging the experience with the professional the military lawyers group is needed for the professional work the military lawyer. This information is given by the ICT: reference legal systems, specialty data and bank of the legal sources and internet.

The ICT, which are used in the learning process in law area, uses the forms as an electronic presentation, interactive board, web-quest technology, classroom interactive system.

The approaches, stages and algorithm of practice with the law students using the ICT for the increasing level skills in the solving nonstandard legal tasks are shown.

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