



- Information and educational virtual laboratory provides wide opportunities in the experiments the research nature, which allow to use them as a supplement to the real laboratory facilities in certain, methodically justified situations;
- computer laboratory provides students personal experience in dealing with unusual and problematic situations.

### **Conclusion**

The main value of the virtual labs is its substantive content. Excellent navigation, color palette, fast loading and high reliability of the virtual experiments are only auxiliary elements transfer and adaptation of knowledge. Virtual labs are "empty table", in which a student with special instruments can create lab facilities, arrange them as necessary to each other, to establish links between objects, set their initial values. In fact, a laboratory can create virtual based on the same laboratory module different interactive model.

Thus, the virtual process in today's secondary education is directed to the use of a rich pedagogical potential of traditional training provided transferring it to a new level - the level of virtual computing. In addition, the study of new areas of knowledge through educational simulations in a virtual information-educational laboratory the students activated self-employment in the knowledge of the phenomena of the world, forming the ability to independently find solutions to emerging problems in the process of life, readiness to apply this knowledge in practice. Consequently, the use of virtual laboratories, contributing to the development of independence of pupils, is an integral part of the success in the implementation strategy of the electronic educational computer products.

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One of the culminating problem while creating the Democratic society is the change of human's education and thinking. The creation of new type of thinking, will become the principal factor of development which is based on the directions democratic society of the person's place and understanding the role in today's progress. Human is a main wealth in every nation. It can be concluded from this, the primary way of improving nation's wealth and power is to increase the each person's own creative skills. Nowadays the amount of money which are spent on education are just not simple expenses, probably they are considered as investments which bring economical income in a fast rate.

According to the prediction of scholars, in 21<sup>st</sup> century there will be vast invention's epoch in the following spheres, humanity, notably psychology, pedagogy, humanitarian and social subjects. This process discovers the new knowledges about person's reserve, hidden and blur capabilities for us. So, there will be change in person and his education, nurture and the meaning of education.

These days one of the most important task is connected with the globalization and the development of information communications. "Globalization at first is the acceleration of life pictures. As every social event has advantageous and disadvantageous side, globalization process is not an exception".<sup>6</sup>

It is important to note that, Globalization has very wide meaning as a scientific, scientific and philosophical, lifestyle. From general point of view, this entirely new process with the new sort of meaning of social – political and natural – biological origination of global environment at the same time, current national and local problems are beginning to change to the level of Global village's challenge.

Nowadays, globalization process is being seen obviously in information arena. Notably, information is going on with the help of globalization which are extremely connected.

"At this moment the global tendension of event and processes in the world leads to improvement in impact between one another among nations and countries. In today's world look through the mankind history from another perspective like civilization processes, different types and levels of them takes the higher position"<sup>7</sup>. Actions in the modern information arena are so fast that, it is impossible to look at simply, the event has been occurred very far from here, we do not have contact. According to the politicians, Globalization is a improvement of dependence, relationship of whole zones and even economical integration of continents as well as production and exchange in all nations. Today it is impossible to imagine any nation's prosperity without information technologies.

The definition of technology has been entered to science in 1872 with the same pace of technological prosperity. Technology means from Greece techne – art, logos

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<sup>6</sup> I.Karimov. Lofty spiritual is an insurmountable strength. Tashkent, "Manaviat", 2008 year, 24-page

<sup>7</sup> M.Nazarov and so on. Training of educational perfection and national idea of youth. T., 2010 year, 23-page



– skill. “Technology” term has been developed and revolutionized in every period by keeping its uniqueness. “Pedagogic technique” can be understood as a pedagogic mastery, skill in education process. It can be any activity or technique, or art. Art is based on inner feeling, technology is based on science.

Upbringing – education process is first of all “development” and “maturing”. If we pay attention to those meanings “development” is a change, whereas “change” is seen in every person’s life in a positive or negative way. Moreover “development” term of course belongs to human’s all life activity, notably includes distance from cradle to grave. “Maturing” – is a development of education under the outer environment influence, notably social environment, family or exact social group. The development of person is scrutinized during his lifestyle, whereas maturing takes its place by first step of its life activity. So that, the most crucial side of education process is a “person formation”.

It is also interesting to note that, social activism is a characteristic that every person has. Because person is a social conscious creature. All human characteristics in person are mainly developed and educated with the help of social factors. Because of the discrepancy of different social factors which have impact on person, social activist also finds himself in its whole universe.

It is obvious that, social activism is a wide ranged concept, it is explained as following: it is a role of every person’s life and existence, social reality, the change which is seen in it, attitude towards news. The comprehension of factors of developing and educating of social activism is done by pedagogy, psychology and social subjects. It can be said from this, social activism is a philosophical as well as sociological problem.

According to the sociological and psychological researches, social activism in person is based on understanding himself and management over himself. From this can be concluded, understanding himself and management over himself at the same time explain the educational perfect in person as well as healthy lifestyle. So that, understanding himself, management over himself, person and society prosperity.

The origination of human personality is a rare sociological news. In that case, the prize proportionality between family and society is the intellectual prize of society. It is true that, after being developed of social person he will be indeed for understanding himself and for educating. For person understanding his responsibility before the society, parents and community plays great role. After forming person’s personality, there will work powerful mechanism which controls it’s the effect of social environment and which develops itself.

Originating social active person and using new methods and equipments by using information communication, in the usage of pedagogical techniques.

In that case there should be realized the following tasks:

- Active person’s main character –knowing foreign languages;
- Materials which are being taken from the Internet should be separated whether it is right or wrong;
- Pay attention to teacher’s activity;
- It would be better to use new interactive method, pedagogical techniques in the lesson.



According to rules of the Republic of Uzbekistan Constitution

- In the education accomplishment of youth, the role of our great ancestors in education-upbringing methods and footages about them is very high.

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## МЕТОДИЧЕСКАЯ ПОДГОТОВКА ПРЕПОДАВАТЕЛЯ МАТЕМАТИКИ В РЕСПУБЛИКЕ УЗБЕКИСТАН

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Укрепление сотрудничества Республики Узбекистан с развитыми странами происходит во всех сферах, в том числе и образовательной. Последняя предусматривает в целях совершенствования образовательно-воспитательного процесса, повышения его эффективности и использование современных учебно-технических средств. Основными задачами обучения современности являются: обеспечение преемственности и последовательности звеньев непрерывного образования, обновление содержания образования по учебным дисциплинам, внедрение в учебный процесс обновленных государственных образовательных стандартов и модернизированных учебных программ. А также воспитание будущих учителей в духе национальных и общечеловеческих ценностей, подготовка к последующему воспитательному процессу, демократизация и гуманизация педагогических отношений в высших педагогических образовательных учреждениях, формирование и развитие методической подготовки будущих учителей математики в духе современных требований.

Система профессиональной подготовки специалиста в педвузе сильно зависит от сущности предстоящей сферы его профессиональной деятельности, для которой осуществляется подготовка специалиста. Процесс преподавания математики в средних специальных и профессиональных образовательных учреждениях республики является такого рода областью, т.к. преподавателю математики приходится работать в подобной среде.

Происходят серьезные изменения в содержании математического образования в средних общеобразовательных школах и средних специальных профессиональных образовательных учреждениях нашей страны. Масштабы этих изменений так велики, что они в корне меняют представления о деятельности преподавателя математики и выдвигают все новые требования к его подготовке.