

## Developing Pre-Service Teacher's Independent Thinking Skills as a Pedagogical Problem

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**Annotation:** One of the main objectives of reforms in educational system of Uzbekistan is to prepare and train highly qualified, competitive professionals with worldwide knowledge and critical thinking abilities.

**Key words:** independent thinking, pedagogical problem, education, quality of lesson, innovation.

Highly qualified and modern teacher should be very knowledgeable on their own specialty and besides that they should know how to work with different intellectual students and teach them to think critically about the life. Therefore, we should take into consideration of developing critical thinking skills in teacher training institutions. If teachers don't have critical thinking skills themselves they can not teach learners to think critically

Developing critical thinking skills was one of the main issues that interested many philosophers, methodologists and psychologists in the past. In this article the analysis of the development of critical thinking skills will be given by comparing ideas of historical views and modern ones.

In educational system learners get and learn critical thinking ideas and practice them in high schools too. They will become a critical thinker when they enter the universities. The students who gained knowledge and skills of independent thinking during studying at primary and secondary schools come to the universities and this leads to the idea that students of the university have the culture of thinking critically and independently.

The demonstration of independent thinking skills will show the relationship among motivational, emotional and affective factors of learners.

It is obvious that every profession requires special approaches and professional function and particular developments. Pedagogical function demands the need of independent thinking skills (ITS). The main factor of establishing future professionals ITS, focuses on preparing students ability of working independently and autonomously.

Since the ancient times mastering of the independent study skills was one of the important issues in teaching and preparing professionals. Considering of the professionals intellectual and thinking abilities became crucial in the second part of the XX century. Scientists discovered that the thinking ability is produced in two ways according to the novelty of the ideas: a) reproductive (maintaining

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second time) b) productive (creative). According to the S.L. Rubinshtain: "...new idea is a creative product of discovering new knowledge of an individual mind by analyzing ready idea".

Independent thinking skills (ITS) was interested by many philosophers, psychologists and educators. We should consider that, even though the issue of ITS has been one of the interesting issues, it was not fully researched by scientists and there is no scientific conception that gives full information about its features and characteristics. Improving ITS at different levels of the education system is one of the important topics that is waiting for its solutions.

Thinking skills, first of all, separates its shape and meaning, L. Vigotskiy emphasizes the thinking skills shape and meaning increases as the individual grows. The thinking skills are supported by logics when children reach the age of 12-14, as they begin to obtain and manage their own thought. L. S. Vigotskiy thinks, logical thinking is thinking consciously, this means as mental activities based on the theory of self-management. No existence of logical thinking means there are no independence, freedom and intellect in thinking abilities.

"I'm thinking, it means I am alive"<sup>2</sup>, says French philosopher Decart. This thought takes the thinking into the first place in human life. Nothing can give clear idea about the existence of human being than thinking ability. This leads to idea of that independent thinking, analyzing skills, creative and critical thinking are the main features of human being. People's existence and spiritual fitness measure with the help of independent skills. Their independence defines with logical phrases, and ability to use language skills well.

Cheh educator Ya. A. Komenski tried to analyze the scientific features of educational system in XVII century. He claims that nature of the education, educational procedure, methods and approaches of teaching should fit the law of the nature of the people. Ya. A. Komenski's view of the nature of the education helped western scientists to find psychological findings and understand the importance of materialistic views in teaching.

According to the ideas of the psychologists thinking, thoughts are the product of human mind. When sense is lack of understanding, thinking ability helps the person to acquire the world properly. Thinking is the collection of the intellectual and mental activity. It plays important role in understanding surrounding and at the same time it is the tool of acquiring social events effectively. While thinking person tries to understand the events which were observed, sensed things, creative ideas appropriately and analyzes their relations with nature

With the help of thinking person identifies the truth of ideas, thoughts, theories and conclusions that were made by many other scientists in the past. Person understands about the relationships between matters and events, characteristics, means, the features that combines them and distinguishes differences between them by thinking and finds out their mechanisms which helps to function.

Psychologists say that thinking is a psycho-physical activity which includes socio-intellectual process which involves motivation, objectives and independent thinking. With the help of thinking it is clear to understand people's consciousness and their intellect. Thinking appears in this way. At the same time by thinking people influence to the other person and it is the base for communicating with each other.

According to the specialist of people's psychology, the purpose of thinking is to try to know about the secrets of nature, inner need and motivation for learning. Without thinking it is very difficult to think an idea. Thinking person develops and shapes with the help of communicating with other people and understanding the value of a labor. Individuals intelligence and background knowledge is characterized with the help of it.

In several psychological books the idea of independent thinking skills' stages remains the same and they have similar descriptions. It is clear that the person who is in trouble thinks about the reasons of the problem in depth and thinks about its solutions. In order to find the solution he needs to understand the essence of the it and then analyzes its consequence. And person tries to its known and unknown parts of the problem.

Independent thinking skills analysis helps to identify integral assessment. With the help of this we can evaluate the culture of independent thinking. The features of the thought includes the following ideas:

- Using problem solving technique. This appears when everyone thinks that solution of the problem is obvious and the answer of the questions are commom and clear.
- The speed of the thinking is resulted in observations, creation and optimal form of induction.
- Dynamics of the idea is seen when person thinks appropriately quickly and the ability of thinking;
- Thoughts development and its independence appears when someone tries to identify the reasons of problems and while thinking its solutions;
- Clear thinking happens when someone tries to understand the meaning of the issue. It also reflects when we try to analyze the reasons of the thought.
- The system of thinking appears when we try to obey the rules of thinking in a logical order;
- Critical thinking appears when we assess the product of thinking , finding the strength and weaknesses of it and proves of mental activity.

It should be mentioned that all above mentioned characteristics of the thinking is not only devoted to the productivity of the thought, however it is related to the intellectual ability of the thinker. They are developed by the way of educating the people systematically in education.

Parts of the compulsory education, a secondary and secondary special education systems should pay much attention to the development of the critical and independent thinking skills, thus the students who enter the higher education will bring their knowledge and skills to their study. Having the ability of independent thinking skills is very important for learners. Especially in a higher education institutions, while preparing future teachers the attention should be paid to the development of the independent thinkers and improve mental ability of the learners.

The assessment of the independent thinking in higher education appears in the following steps:

- To understand the psychological principles and procedures of the personal intellectual thinking;
- Implementing the procedures and methods of critical thinking into learning process;
- To understand how to develop thinking skills in different situations;
- To supply dynamic of independent thinking skills into the thought.

The development of independent thinking skills in future professionals is closely related with discrete, emotional and willingness of the learners. Psychological appearance of personal thinking is analyzed not only with the help of procedure. Future teachers' independent thinking is connected with the culture of speaking. Development of the speech shows the development of the thinking process. The culture of independent thinking is related to the persons understanding and practical functioning in thinking process.

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