

Role of Educational Psychology in the Study of Memory, Conceptual Processes, and Individual Differences (Via Cognitive Psychology) in Conceptualizing new Strategies for Learning Processes in Humans

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Abstract

The study sheds light on the concept of educational psychology and its impact on the learning processes. The purpose of this particular research study is to analyze the importance of educational psychology for the learning processes. The researcher has adopted secondary methods for collecting data about the topic. Along with that, the researcher has adopted qualitative methods for analyzing all the data in the study. Thereafter the concept of the learning process and its impact on humans is analyzed in this particular research study. Along with that, the concept of educational psychology and its importance in the learning process for humans is also analyzed properly in this particular research study.

Keywords

Cognitive, education, human, impact, learning process, psychology.

INTRODUCTION

Learning processes are used to gain knowledge and learn new skills for life. Therefore, there are several types of processes that help people to learn new skills, gain knowledge, new understandings, behavior, attitudes, values, and others. Apart from that, educational psychology is based on human learning and the process of learning that is appropriate for people. The purpose of this particular research study is to analyze the important role of educational psychology in conceptualizing new and accurate strategies for the learning process for humans.

On the other hand, the research has used several types of methods and techniques to analyze the concept of this particular research study. Therefore, the researcher has used secondary sources for collecting data about educational psychology and its importance in the learning process. In addition to that, the researcher has used qualitative techniques to analyze all the collected data about the research topic.

Concept of the Learning Process

Learning is a process that has some steps to support gaining knowledge and understanding new skills. Therefore, learning processes help people to develop their skills and learn new skills for their lives. There are 4 stages of the learning process such as unconscious incompetence then conscious incompetence thereafter conscious competence and then unconscious competence [1]. These stages are very important to gain knowledge about something by using the learning

process. Furthermore, there are three major types of the learning process and the three learning processes have their different types of effectiveness. Categories of learning processes for humans are cognitive learning, affective learning and the last one is psychomotor learning.

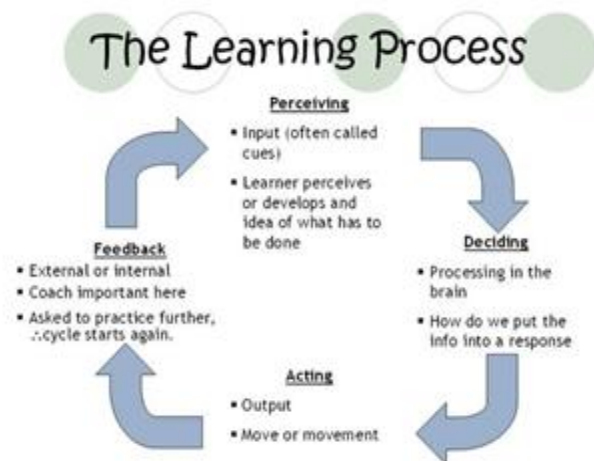


Figure 1: Learning process (Source: [1])

On the other hand, there are some important components of a learning process and those components are very important to learn something new. Therefore, the components of the learning process are memory attention, thinking skills, language, organizing skills, writing skills, and others. These

components help humans to interact with each other as well as helps to interact with the climate of the classroom, emotions, social skills, family, teachers, and behavior [2]. Apart from that, there are a lot of beneficial sites for using learning processes in educational sectors. First of all, the use of the learning process helps to improve the communication skills and critical thinking skills of the people. Along with that learning process helps to increase engagement with each other in a classroom.

Concept of educational psychology

Educational psychology supports the scientific study of humans and learning something new. The goals or purpose of educational psychology predicting understanding and controlling the behavior of humans in learning situations. Thereafter the concept of educational psychology is based on how people learn by using several teaching methods, different learning processes, and instructional processes [3]. Therefore, educational psychology impacts the learning of humans as well as it impacts the learning processes that humans adopt to learn. Thus, the impacts of educational psychology on the learning processes of humans are analyzed in this particular research study properly.



Figure 2: Educational psychology (Source: [3])

METHODS AND TECHNIQUES

There are several types of methods and techniques that are used to create a reliable and readable and objective research study. Therefore, the usage of proper and accurate research methods in a research study is very important. Apart from that, choosing the appropriate method for the specific research study is more important [4]. Thus, the researcher has used a particular method for collecting data and a particular method for analyzing all the data in this research study. There are mainly two types of methods for gathering data such as primary methods and secondary methods [5]. The sources of these two methods are effective and efficient to collect appropriate data about the research topic. Thereafter the sources of primary methods are based on real-life experiences and activities.



Figure 3: Methods for gathering data (Source: Self-made)

Apart from that, the sources of the second method are based on the sources of the primary method. Furthermore, the researcher has adopted the *secondary methods* for this particular research study and used several sources to collect proper data about the research topic. The sources of secondary methods are magazines, books, journals, articles, newspapers, public records, government records, and other information that are published by someone [6]. The researcher has selected some journals that are based on the concept of educational psychology and its impact on the learning process. Moreover, the research has said some guidelines for selecting the journals and the criteria are,

Inclusion Criteria

The journals must be based on the concept of educational psychology and the learning process of humans. Apart from that, all the journals must be published from 2017 to 2021.

Exclusion Criteria

The exclusion criteria were that the journals must not be the doctoral dissertations. Along with that, the selected journals must be reliable and objective.

On the other hand, the research has used a specific technique for analyzing all the data. There are two types of techniques to analyze data such as a quantitative technique and qualitative technique. Both the techniques are effective and efficient to analyse data in a proper way in the research studies. Therefore, the researcher has used the *qualitative technique* to analyze all the data that are collected by using secondary methods [7]. The qualitative technique is efficient and effective to analyse the data in a thematic way which makes the research study more readable. Thus, it can be said that the selected methods by the researcher are appropriate for this particular research study.

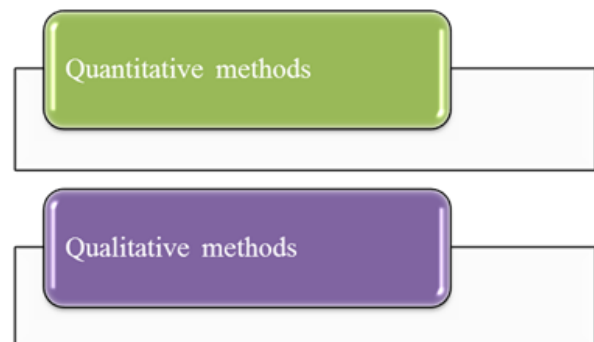


Figure 4: Techniques for analysing data (Source: Self-made)

ANALYSIS AND DISCUSSION

Thematic analysis

Theme 1: Role of educational psychology within the learning process

Educational psychology plays the most important role in the learning process. Human psychology has impacted the learning process significantly. Educational psychology is the most significant part of psychology that mainly deals with human memory. In this human psychology, cognitive psychology is the most effective branch that helps to understand individual differences, human intelligence, motivation, self-regulation, affect personality, and self-concept. These aspects have helped to enhance human learning activities [8]. In educational psychology, educational activities, instructional design, classroom management, and assessment have helped to serve effective learning psychological facilities to the student. The main aim of educational psychology revolves around ways in how an individual learns and can retain vital information in the long run.

In the education process, several disciplines give psychological facilities to the student. Therefore, sometimes critical learning disciplines have created obstacles in educational psychology. Educational psychology is based on cognitive science and learning science. In the learning process, this scientific aspect has analyzed student mental ability and capability to enhance human learning [9]. The main focus of educational psychology is the study of human memory, analyze individual differences and learning progress. In the present time, many schools have adopted the concept of intelligence text to provide specific educational facilities to the student. In this regard, daily classroom activities, educational technology, curriculum development, and special education have helped to improve educational psychology and progress human learning.

Theme 2: Conceptualisation of strategies in educational psychology, conceptual processes, and individual differences

In the education process, psychological improvement can make the human learning system more progressive. The mental ability has determined the learning enhancement for that reason, the education psychological analysis has increased learning development. Along with that, in recent times, new strategies of educational psychology have improved human learning progress effectively. In the present time, the education sector has taken the most effective strategies that help to understand student learning capabilities such as intelligence testing provide special education, improve regular classroom curriculum and technological practices [10]. These psychological strategies have helped to improve the learning enhancement of the student. In educational psychology, teachers are played the most significant role to develop the intelligence of the people. In this regard, the language and speech of the teacher have

motivated the student and it also affected people's psychology positively [8]. The conceptual process of psychology, the effective motivational speech of teachers can improve the learning activity of the people. In the other words, the understandable language of the teacher has created a friendly environment in the educational process that impacts human psychology significantly.

In the present time, the educational process has adopted psychological counselors to understand human mental ability and difficulties. In this approach, the counselor had tried to understand the student's mental situation through a question-answer session to understand the individual differences of the students [10]. Moreover, the psychological classroom setting is one of the most important aspects that help to progress human learning ability. Regular classroom activity has affected human psychology significantly. Along with that, regular classrooms have changed the traditional learning process and implemented technological curriculum to develop students' psychological ability in the learning system.

Theme 3: Analysis of learning process within humans (after implementation of new strategies)

Educational psychology is the new part of learning that helps to grow the educational field more. In the learning system, educational psychology has come up from individual differences, problem-solving, assessment, development, and transfer of learning [11]. This psychological learning has helped to understand human cognition, learning, and perception. In educational psychology, counsellors have played the most effective role to improve human psychological ability. In the past decades, the educational system has faced difficulties due to the shortage of psychologists in schools [12]. In this regard, in the present time, many schools have recruited psychologists to understand individual student intelligence and improve educational psychology. In educational psychology, the relationship between teachers and students is the most effective factor. In the learning system, the good relationship between student and teacher has made a positive impact on educational psychology.

In the study of memory in the learning process, new strategies have improved the student's learning success. In the education system, student psychological analysis has helped to improve human learning ability [11]. In the past decades, the education process has faced issues for lack of a psychologist and memory counsellor of the student. In this regard, at present time most of the education sector has adopted psychologists and memory counsellors to understand the student's psychological ability.

Table 1: Distribution of school psychologist

Characteristics	Albania	Cyprus	Estonia	Greece	North England
Ratio of psychologists to school children	1:580	1:9050	1:690	1:2578	1:5000
Percentage of receiving supervision as a school psychologist	80%	55%	14%	37%	66%
National school psychologist association (%)	100	0	66	14	44

(Source: [11])

In the present time, many schools have adopted psychologists to improve student mental capabilities. The most significant five countries are Albania, Cyprus, Estonia, Greece, and North England [11]. In Albania, 80% of schools have adopted the psychologist to increase student mental ability and improve human learning. Moreover, Cyprus has taken psychologists in schools 55%. In the other words, 14% of schools in Estonia, 37% schools in Greece, and 66% schools in North England [12]. This percentage has represented that the education sector has progressed human learning through educational psychology.

CONCLUSION

After all these discussions, it can be concluded that mental study has progressed human learning. Educational psychology is the branch of a new educational field that can change the learning system effectively. In the past decades, the educational system has faced difficulties due to a lack of psychologists. In this regard, in the present time, the learning process has adopted some new strategies such as effective regular classroom activity, technological curriculum, intelligence text, and others. Moreover, the educational system has adopted psychologists to improve human learning.

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