

AN INVESTIGATION OF STUDY PROCESS OF D.El.T.Ed. STUDENTS

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INTRODUCTION

The way one approaches study affects one's learning outcomes. Hence, the process of Study is equally and as important as the studies itself. The methodology and the strategies adopted by the students help them to reach their goals in quicker time and with good results. Different Students use different strategies or processes for studies. Study process involves study skills as well as study approaches. Generally study skills are those skills and habits which are necessary for understanding and retrieving information, and in particular they are link between comprehension and memorization. Study skills include acquiring information, recording information, memorizing and retrieving information on demand. Study approach to learning is a choice/habit that can change. In fact, approach to learning may vary from subject to subject.

Study approaches involve Deep Approach and Surface Approach to learning. Deep Approach refers to in-depth study of any topic or subject involving enough active efforts and good comprehension of the content. And Surface Approach refers to superficial study involving rote learning by putting little efforts. Research has shown that:

- Students learn more deeply when they can apply classroom-gathered knowledge to real-world problems, and when they take part in projects that require sustained engagement and collaboration.
- Active-learning practices have a more significant impact on student performance than any other variable, including student background and prior achievement.
- Students are most successful when they are taught how to learn as well as what to learn.

The knowledge of Study process is essential not only for students but for teachers also because this awareness would help the teachers to motivate their students for adopting the right approach towards studies so the researcher is keen to know the study process of teacher trainees. This paper examines the Study Process of D.El.T.Ed. students.

Significance of the Study:

It is observed that academic success is an outcome of effective study process. Deep approach to learning often results in deep understanding of the topics. Deep understanding means one can see the links among things and can create something new. At this level of understanding, one is able to apply knowledge effectively in real-life situations. On the other hand Surface approach to learning often results in surface understanding of the topics. Most of what one has committed to memory by rote will be lost after a while. At this level of understanding, all one can do is to recall some factual information about certain topics, but one probably cannot apply knowledge very effectively to explain and analyze things, to identify and solve problems, and many other things that would encounter in real-life and workplace situations. Hence, it is essential that the students adopt Deep Approach to learning for better comprehension of the content and effective implementation of the same.

Title of the Study:

An Investigation of Study Process of D.El.T.Ed. Students

Objective of the study:

1. To identify the study process of D.El.T.Ed. Students.
2. To explore the study process of D.El.T.Ed. Students as per stream.

Hypothesis:

There is no significant difference in the study process of D.El.T.Ed. Students as per stream.

Methodology:

- **Method** - The Researcher used Survey Method to collect relevant data for the present study.
- **Population** - The population selected for present study was D.El.T.Ed. Students.
- **Sample** - A sample of 65 D.El.T.Ed. students studying in Ulhasnagar was selected for the present study. Convenient Sampling Technique was used to study the Study Process of D.El.T.Ed. Students studying in English Medium.
- **Tool** - A standardized tool based on Study process (R-SPQ-2F) developed and revised by **John Biggs, David Kember & Doris Y.P. Leung** was used to evaluate the Study Process of D.El.T.Ed. students. It is a five-point differential rating scale. It consists of 20 Statements classified into two approaches; 1) Deep Approach and 2) Surface Approach having 10 statements for each approach. The response of the students on each item was scored and a total score for Deep Approach and Surface Approach was obtained separately.

- **Data Collection** - The tool was administered personally to D.El.T.Ed. Students and the data was collected.

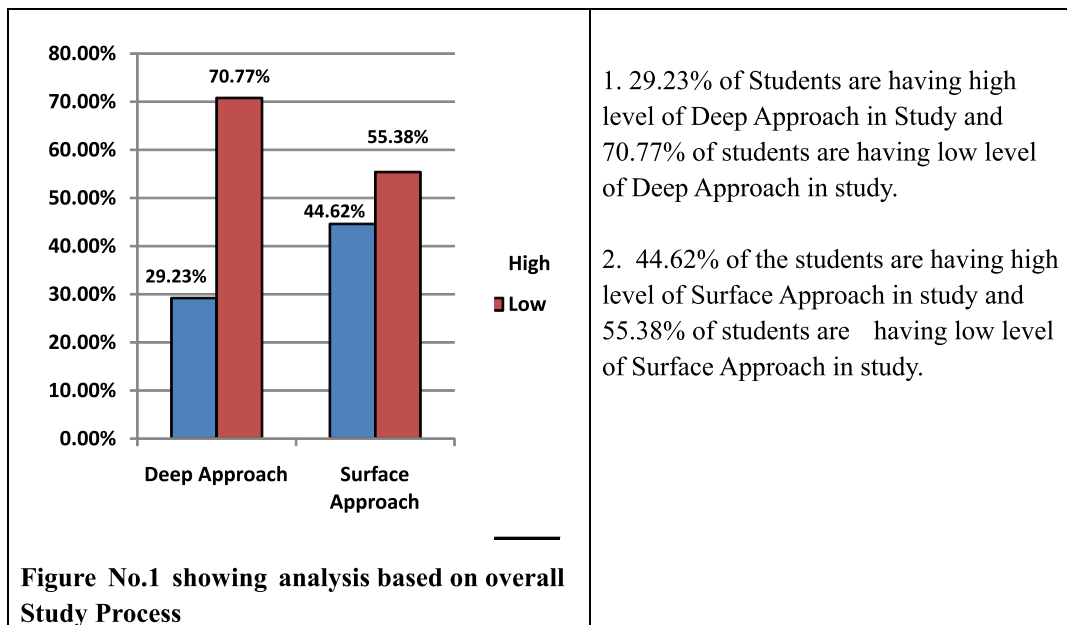
Data Analysis and Interpretation:

The data was tabulated and it was analysed in two ways; (I) Based on Overall Study process and (II) Hypothesis testing based on Streamwise analysis.

I) Objective No. 1: Analysis based on overall study process of D.El.T.Ed. Students N=65

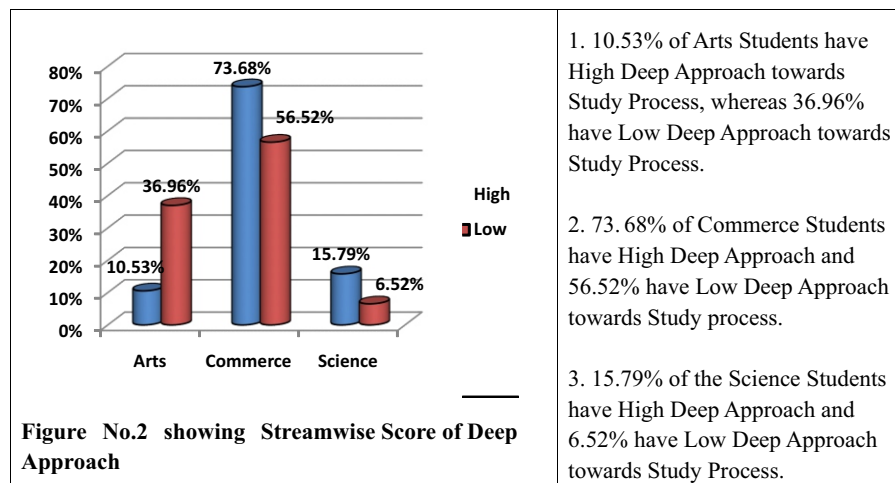
Approach	Score	Level	Total No. of D.El.T.Ed. Students	Total %
Deep Approach	>35	High	19	29.23
	<=35	Low	46	70.77
Surface Approach	>25	High	29	44.62
	<=25	Low	36	55.38

Table No.1 showing analysis based on overall Study Process



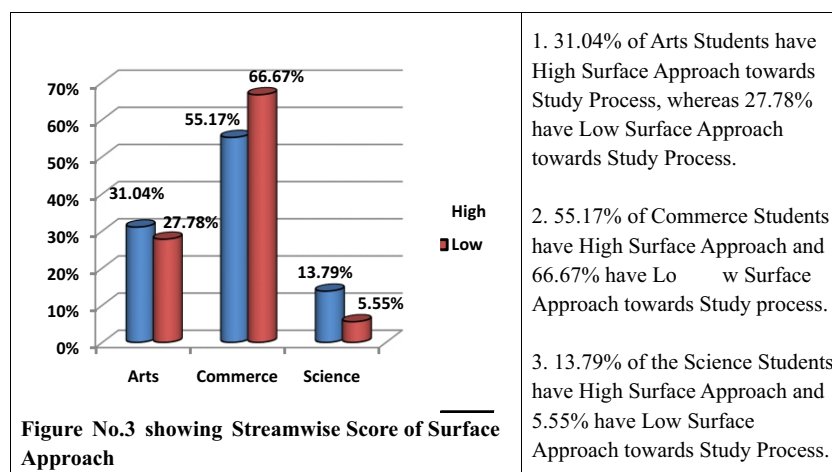
Approach	Score	Streamwise No. of D.El.T.Ed. Students			Total N=65
		Arts	Commerce	Science	
Deep Approach	High	10.53% (2)	73.68%(14)	15.79%(3)	29.23% (19)
	Low	36.96%(17)	56.52%(26)	6.52%(3)	70.77 % (46)

Table No.2 showing Streamwise Score of Deep Approach



Approach	Score	Streamwise No. of D.El.T.Ed. Students			Total N=65
		Arts	Commerce	Science	
Surface Approach	High	31.04%(9)	55.17%(16)	13.79%(4)	44.62% (29)
	Low	27.78%(10)	66.67%(24)	5.55%(2)	55.38 % (36)

Table No.3 showing Streamwise Score of Surface Approach



II) Objective No.2: Streamwise Analysis based on study process of D.El.T.Ed. students

Hypothesis testing: There is no significant difference in the study process of D.El.T.Ed. students as per stream. N = 65

Approach	Mean, Standard Deviation			Source	SS	df	MS	Calculated F value	Tabulated F value	Result
	Arts	Commerce	Science							
Deep Approach	9.5, 10.607	20, 8.485	3, 0	Between-Streams	294.3333	2	147.1667	F= 2.393	F=9.55 at 0.05 level and F=30.82 at 0.01 level	Not Significant
				Within-Streams	184.5	3	61.5			
				Total	478.8333	5				
Surface Approach	9.5, 0.707	20, 5.657	3, 1.414	Between-Streams	294.3333	2	147.1667	F= 12.797	F=9.55 at 0.05level and F=30.82 at 0.01 level	Significant at 0.05 level
				Within-Streams	34.5	3	11.5			
				Total	328.8333	5				

Table No.4 showing Streamwise Analysis based on study process of D.El.T.Ed. students

1. The calculated F value for deep study process is 2.393. The tabulated F value is 9.55 at 0.05level and 30.82 at 0.01 level. Since the obtained F value is less than the tabulated F value therefore there is no significant difference in the Deep Approach Study Process of D.El.T.Ed. students as per stream. So the hypothesis is accepted for Deep Study Process.

2. The calculated F value for surface study process is 12.797 and the obtained F value is greater than the tabulated F value at 0.05 level therefore there is significant difference in the Surface Approach Study Process of D.El.T.Ed. students as per stream. So the hypothesis is rejected for Surface Study Process.

Major Findings:

The findings are depicted in two ways, 1) Based on Overall Study Process and 2) based on Hypothesis testing.

Note - Norms used for Major Findings

Score	Norm
1 – 25	Few
26 – 50	Average
51 – 75	Many
76 – 100	Majority

I) Findings based on overall study process of D.El.T.Ed. students –

- It is found that Average number of D.El.T.Ed. Students are having High Level of Deep Approach towards Study.
- Many Students are having Low Level of Deep Approach of Study.
- Average number of Students are having High Level of Surface Approach of Study.
- Also it is found that Many D.El.T.Ed. Students are having Low Level of Surface Approach towards Study.
- It is found that Many Commerce Students are having High as well as Low Level of Deep Approach towards Study when compared streamwise.
- It is also found that Many Commerce Students are having High as well as Low Level of Surface Approach towards Study in comparison to Arts and Science streams Students.

II) Findings based on hypothesis testing-

It is found from the present study that there is no significant difference in the Deep Approach Study Process of D.El.T.Ed. Students as per stream but there is significant difference in the Surface Study Approach of the D.El.T.Ed. students as per stream.

Conclusion:

It can be concluded that only Average number of D.El.T.Ed. students are having High level of Deep as well as Surface Approach towards study. When the result of the collected data is compared streamwise it is explored that Commerce Students are having High as well as Low Level of Deep and Surface Approach towards Study. So adequate and appropriate motivation is to be provided to all the students to improve their study process. And it is the responsibility of teachers also to develop right approach towards study in the students in order to enhance learning and improve their academic performance.

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