

# Knowledge and Attitude on Teaching Methods Among Dental Students

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**Abstract:** This paper presents an overview on knowledge and attitude on teaching methods among dental students.

**Keywords:** teaching methods

## 1. Introduction

Meaning of education in the ancient India the Vedic age education was regarded as a source of illumination, giving a person to connect approach of leading a successful and honorable life. The ancient Indian education has regarded education as an agency of improvement. But in modern India education is the process of facilitating, learning or acquisition of knowledge skills, values beliefs, and habits. Today educational method includes group discussion, debates, discussion, teaching, training and research [2].

In the fast changing and strongly competitive business environment, we use a confluence of factors such as economic globalization and integration, the impact of technological developments, the growing demo for sustainable development and the emerging works systems are having a strong impact on organization on society and on individual [3].

The teaching methods have undergone drastic change for past 100 years, the model of teaching and typology of classroom as well as how to reproduce and display the information [1].

While we are discussing about traditional and modern teaching methods there is a lot of variation between this two education method of teaching as we ref mentioned in [1] we will describe a little brief about this two educational system the first and foremost traditional/ancient/classical method of teaching where teachers used to take classes and writing on black board with chalk and students usually take notes and memorize the written notes without understanding and in this method there will be no interaction and collaboration among students. Whereas modern/digital method of teaching in this method students are exposed to technologies and it goes wide scope of learning. Collaborating and interaction classes student give more concentration on teaching rather than writing.

Education is one of the foundations of human civilization. Educationist has viewed education and it's the scope in the

different ways views of thinker differ from time to time. Some of the experts of education view education in various senses and other in wider sense. Plato says education develops in the body and soul of the pupil all the perfection he is capable of while Gandhi says education all round drawing out of the best in child and man body, mind & spirit. Though the definition and opinions of experts regarding education vary but they all strongly agree in terms of fundamental functions, goals and characteristic of education [4].

## 2. Aim

Knowledge and attitude on teaching methods among dental students.

## 3. Objectives

- To know the understanding level of students towards teaching method.
- To know the interaction method between teacher and students and between students.
- To know about how this education effects on students life.
- To know about which type of teaching methods student usually prefer in or out of classroom.

## 4. Methodology

Permission was taken from the department of public health dentistry questioner was explained and informed consent was taken prior to the study.

A cross-sectional study was conducted among the students of Mamata Dental College in a questioner form. Questioner framed based on related articles and distributed among 15 students to know the mistakes and it was distributed to all 1<sup>st</sup>, 3<sup>rd</sup>, 4<sup>th</sup> year students and interns who are presented at the time of survey included in the study. The duration of the study was students who are absent during the day of survey was excluded.

### A. Survey Procedure

The study was conducted among 200 dental students

questioner were distributed to 1<sup>st</sup>,3<sup>rd</sup>,4<sup>th</sup> and intern students during their working hours from 9:00am to 4:00pm. The questioner is based on knowledge and attitude of students towards the teaching methods.

Statistical analysis was done by using spss data was analyzed using descriptive statistics chi-square test was done to know the association among categorical variables.

### 5. Results

This study was conducted among 200 dental students out which 90% females, 10% males. The students who are participated in the study are 10% the fourth year 49%, 1<sup>st</sup> year 15%, and interns 25% second years 1%.

Table 1

Demographic data of study population: Year of Study

Year	Frequency	Percentage
1 <sup>st</sup> Year	31	15
2 <sup>nd</sup> Year	2	1
3 <sup>rd</sup> Year	19	9
4 <sup>th</sup> Year	98	49
Intern	49	24
Total	199	100.0

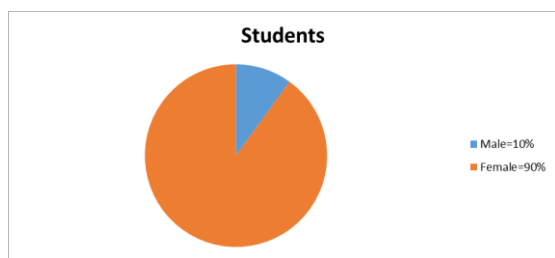


Fig. 1. Gender

When we asked the students about what does teaching and learning means out of 100. 18.6% of students say learner to reach goals, 46.7% say incorporate new knowledge, 33.2% say behavior skills. So overall view of students about teaching and learning mean to incorporate new knowledge. The statistically significant difference was observed  $p=0.02$ .

When we asked the students about which learning style help you the most 69% of students says they like Visual/Auditory/Reading/Writing 17% of students say they like visual 8% of them says Auditory 5% of them say reading and writing. The below diagram shows the results.

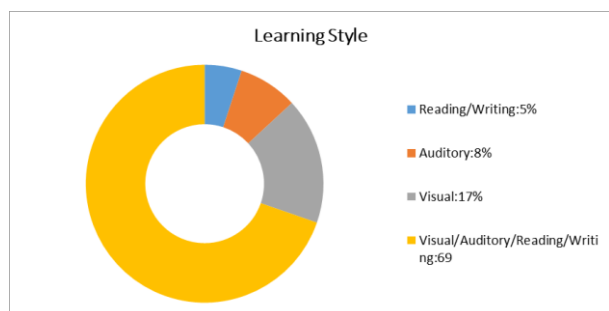


Fig. 2. Learning style

When we asked the students which type of teaching methods do you prefer 41% of students say that life discussion classes, 22% participating, demonstration 13% memorization. The statistically significant difference was observed  $P=0.000 \leq 0.005$ . The below diagram shows the results.

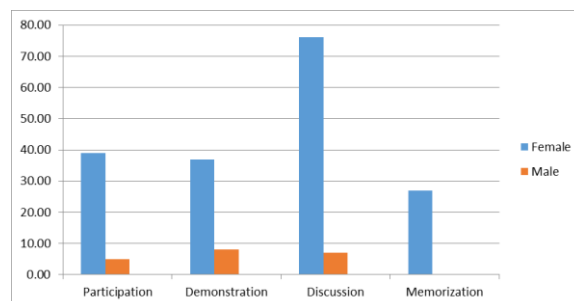


Fig. 3. Teaching Methods of students

Regarding education system effects of people life most of students say out of 52% quality of living 25% economical 17.6% financial ,4% business. The below diagram shows the results.

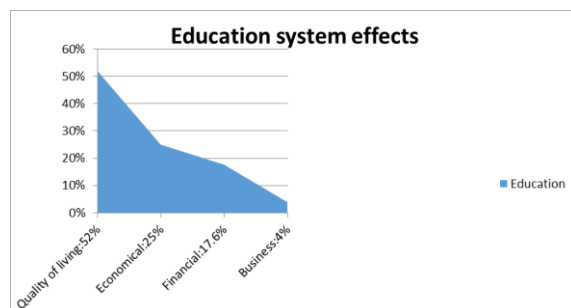


Fig. 4. Education system effects

Regarding development of education success/failure most of students responds out of 100%. 50% of students say it depends on attitude of student, not only good teacher but also student dedication and commitment. 25% good teacher and student dedication and commitment. 11% student attitude. 9% success/failure depends on good teacher. 5% none of this.

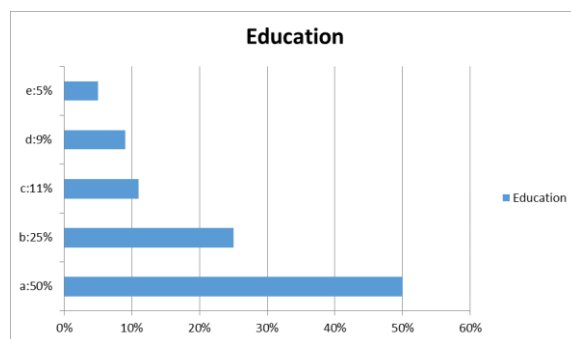


Fig. 5. Education

a=Depends on student attitude, not only good teacher but also student dedication and commitment.

b= good teacher and student dedication and commitment.

c=11% student attitude.

d= success/failure depends on good teacher.

e= none of this.

Regarding course of education traditional/most of students replies it depends on the person 52%, 16% says traditional education, 21% they are equally effectively, 11% online education.

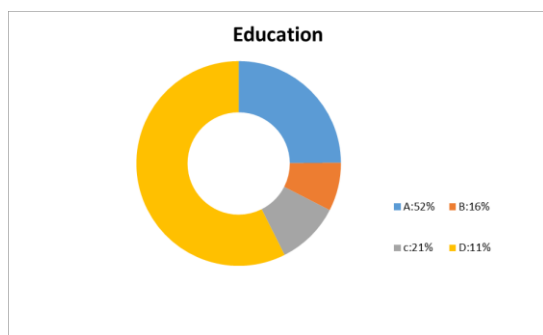


Fig. 6. Education

A: Depends on the person.

B: Traditional Education.

C: Equally Effectively.

D: Online Education.

### 6. Discussion

The present study was conducted to access the knowledge and attitude on teaching methods among dental students. Most of the students who participated are females out of 199 students, 179 are female and 20 are male.

In the present study 86% of students say they like discussion in the classroom participation.

95% of students say that success/failure in the education depends on good teacher and student attitude, dedication and commitment.

86% of students say they like discussion in the classroom participation. Positivity is The reason is students get vast knowledge in discussing in the classroom and they can get exposure on all the aspects of the topics which they are not in the books that give variety of knowledge on the topics that help the students think out of the box rather than bookish knowledge, by the bookish knowledge the students can learn only on the exam point of view rather than knowledge.

If the students can't think out of the box and the discussion in the classroom the innovative ideas will not create for the students. If the students and teacher discuss is very good for the students and the teachers it will give nice awareness for the students and teachers in the healthy kind of atmosphere rather than books and exams. Method of teaching varies from one teacher to other. Some teachers teach to students with demonstration discussion while other memorization and participation,

In my study students like discussion classes rather than

memorization, demonstration, participation. Student think that discussions in classroom help them to understand the classes more and recognize the sentence in the examination, without reaching books more time discussion take place between student and teacher and between students there is only talking/auditory function. Yes, discussion makes students to understand the topic clearly.

All students don't like discussion. Some people may like demonstration, some like memorization, and some like participation. It depends on student understanding the things, although for every topic there will be positive and negative side of it in this the negative side is example sometimes discussion leads to argument, argument leads to quarrel and it will go on. Rather than friendly atmosphere it will be not good for the students to students, student to teachers just we discuss the topics in amicably way it will give friendly atmosphere.

95% of students say that success/failure in the education depends on good teacher and student attitude, dedication and commitment. The reason is the success of the student & teacher depends on the way teacher teaches the student in the precise manner and it explores the student thinking and help to grow much better way, the success/failure it depends on the teacher the way the explanation in the class to the students.

If they teach well in good way the student graph will go in the nice manner, the teacher must give clearly explanation to the students when the topic is complicated, it will give the nice way so that the thinking way will be better for the students, dedication commitment between student and teacher must be gets strong so that the bond cannot be break it, that kind of bond must be good.

It depends on the both student and teacher they play an important role in education. Teacher duty is to make the student understand the topic clearly and student duty is to implement the knowledge given by their teachers, a good teacher doesn't make the entire student to understand topic different student those different mindset. The student must give more concentration, dedication in the classroom such students are mostly likable by their teachers.

If there is no concentration between student and teacher the student will be the failure in the education that means the way teacher doesn't teach properly it will effect on the student graph as well as vice versa of the student to the teacher, they both must be dedicated to one and another that makes the success in the education of the student, if student succeeds the teacher also succeeds in he/she in their carrier, and vice versa of the student that means that both the roles are very crucial in making them success in the education.

And meanwhile teacher must thoroughly prepare for the subject to teach them very well if the teacher fails to teach properly or teacher has half knowledge on the subject or teacher doesn't know how to teach the subject resulted in the failure of the student in the education that results in the bad effect for both the roles, so i.e.; student will fail in the education that means both the roles are very important in order to make them success.

### **7. Conclusion**

The overall view on knowledge and attitude on teaching method among dental students different students like different and different mindset method of teaching.

If there are 100 students in the classroom teacher must clearly explain the topic to the student of 90% throw memorization, participation, discussion, demonstration. Like students should give more concentration on class while teaching. Similarly, success/failure in the education system it depends on both teacher and student. They play an important role in education system.

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