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## Physical education students' satisfaction on online teaching and learning process: A case study

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### Abstract

The present study ascertains the physical education students' satisfaction on online teaching and learning process: a case study. Online Survey research method was used in this study. 60 samples i.e. 30(Thirty) Male and 30(Thirty) Female students, were selected randomly from the Physical Education class. Investigators have used a self-developed questionnaire on online class satisfaction. The Data has been collected through the Google sheet. Appropriate statistical methods were used for data analysis on collected data. The investigators have found that the mean of male and female were 199 and 226.83 respectively. The Standard deviation of male and female were 238.8444 and 340.0525 respectively while t-test was 0.656661. Study reflects its results that there is no significant difference between male and female student's satisfaction on online teaching and learning in physical education courses. The study has suggested that online teaching and learning should be more live than the virtual classroom which helps in satisfaction of the students.

**Keywords:** online class, satisfaction, google classroom, google sheet

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### Introduction

In the modern era, approx. all the reputed institutes of the global have implemented teaching and learning processes through technology in the present day. With the inculcation of modern technologies has enhanced the teaching and learning process through the traditional classroom (shirky, 2008). Technological needs for new and more authentic assessment techniques are used in teaching and learning process, administration, networking, spreading news and contents among the people. This work has been a natural extension of inquiry into male and female University students' satisfaction in physical education. Satisfaction provides motivation to learn and explore the contents among the friend circle and reflects in an examination. Students' satisfaction inculcates the Students attitude, performance and motivation of the Students educational experiences. Student's satisfaction is a multidimensional process which is influenced by different factors.

Online classes are taken by different medium i.e. audio, video and audio-video recordings, Google sheet for mathematical calculation and tabulation, zoom class, Duo, Go to Meeting, Microsoft Team, Google class room or live lectures supplemented used all the teachers and learners in respect of reading, writing, teaching and assessments at institutes level.

But in the present era, many natural and artificial pandemic came into the world by different names like corona virus, clashes between two countries; its result reflects on education and students are bound to migrate to online learning with little time to prepare for it.

In this situation many institutions like Universities, colleges and schools have started to teach through online mode worldwide mainly during COVID-19 i.e. from March, 2020 onwards later UGC has circulated a letter to all the Universities to take classes through online and assessment will also take place through online portal. Behalf of the UGC letter, the ICFAI University Tripura has also taken this initiative in the entire department including physical education. As per the University norms a subject course can be completed at least on 45(Forty Five) sessions through the online mode during nation lockdown period.

Google classroom is a free educational program that enables teachers and students to go paperless. Offered by Google as a free service for schools, Non-profit organisations, and just about anybody with a personal Google account, this program makes it easier for both instructors and students to connect even outside of the classroom. The app is available for both PC and mobile so you can use whichever device to access your account and start working on your lesson.

Google sheets is an online spreadsheet application with Google sheet, you can create, edit, and format spreadsheets, and collaborate on spreadsheets with other people. Google sheets are just one of the apps in Google's suite of online productivity software. Some of the other apps included in this suite are Google docs, which is used for creating word processing documents and Google slides designed for presentation. To access Google sheets, it's necessary to sign up for a Google account.

The current paper is examining student's satisfaction of online physical education courses between male and female students of the Physical Education department, ICFAI University Tripura.

### Rationale of the Study

Dziuban *et al.* (2015) have found students' satisfaction with online is a pillar of foundations of teaching and learning. It also helps in growing the sense in adopting the concepts with online teaching and learning. Hixon *et al.* (2016) stated that the result of the study was to manage the online courses design for quality matters and recognize the high expectations from experienced online learners about effective teaching and learning process. Simpson (2012) has done PhD thesis on student perceptions of quality and satisfaction in online education and found that satisfaction of the students in online education, t-test of non-affiliated groups has higher satisfaction rather than affiliated group. Yu and Jee (2021) stated that online teaching is suitable based on the ADDIE model from prospective teachers and learners.

In the same way many authors have mentioned that a number of institutions have implemented these teaching methods at global level. Researchers are willing to check the Students satisfaction on online teaching and learning of Physical Education of ICFAI University Tripura. Whether this method is highly applicable for the male and female students of the University or not? For this reason researchers have developed a research question like what is the satisfaction level of the male and female students of physical education of ICFAI University Tripura on online teaching and learning process.

### Objectives of the Study

For the present study, researchers have formulated few objectives are given below:

1. To find out the satisfaction of the male and female students on online teaching and learning process?
2. To observe the performance of the male and female students on online teaching and learning process?

### Delimitation of the Study

Due to the time and pandemic situation this study has been delimited to the Physical Education department of the ICFAI University Tripura.

### Methodology of the Study

#### Design and Method

The present study has adopted a qualitative and online survey method for this study. Online teaching and learning and assessment made through Google meet and share the information through docs, sheets and PPT. The researchers had selected the department purposefully and randomly selected the samples in the two groups i.e. male and female.

### Sample

There are 60 samples including 30 male and 30 female students of the Physical Education department of ICFAI University Tripura.

### Tools

Self-developed satisfaction questionnaires prepared as on criterion measures to collect the data. Researchers used a total of nineteen questions to the student through the Google forms.

### Statistical Tools

The study was conducted with a purpose to determine the satisfaction level between male and female students of Faculty of Physical Education at ICFAI University Tripura. For relevant information the satisfaction level questionnaires developed by self. Statistical tools such as mean, standard deviation, and t-test has been employed in the present study. The level of significance was chosen at 0.5 level.

### Finding

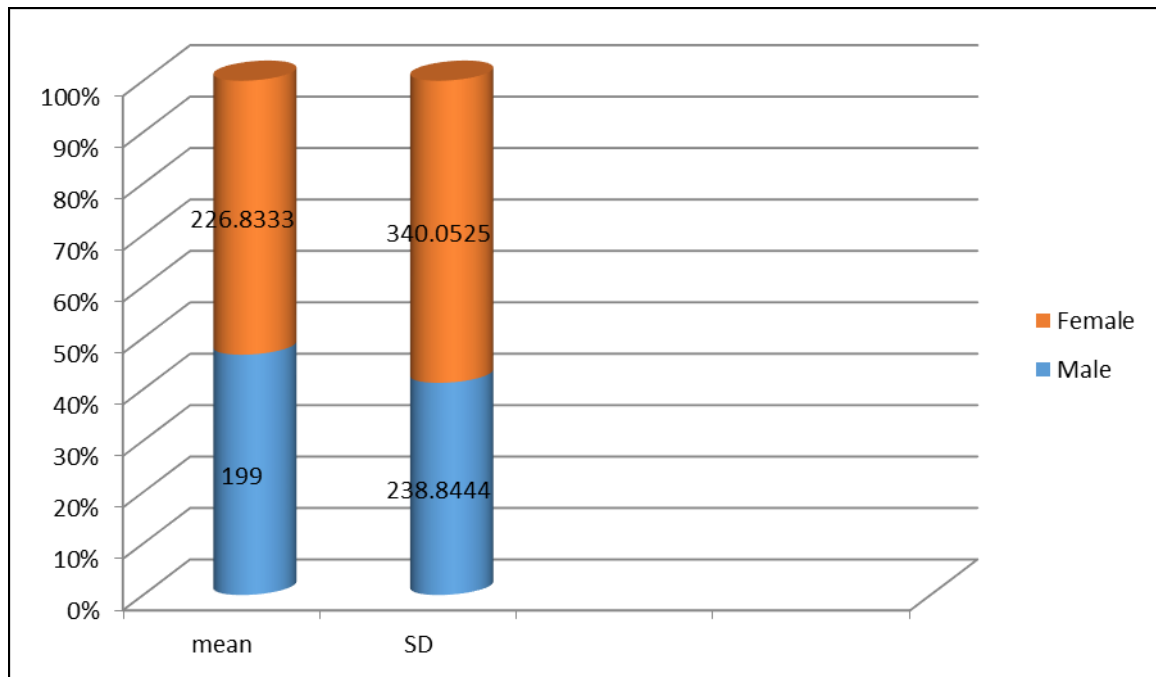
The findings of the satisfaction level between male and female students are presented in Table- 1.

**Table 1:** Significant Means Difference of Satisfaction Between Male, And Female Students

Variable	Students	N	Mean	SD	'f' Value
Satisfaction	Male	30	199	238.8444	0.656661
	Female	30	226.8333	340.0525	

Level of significant at 0.05\*

From the findings of the above table, the mean value of male students is 199 and SD value is 238.8444. The mean value of a Female player is 226.8333 and SD value is 340.0525. After analysis, the data 'f' value is 0.656661 at the 0.05 level of significance. Therefore, it was concluded that there was no significant difference between male and female students for online class in the teaching learning process.



**Fig 1:** Graphical significant mean and SD difference between male and female students.

**Table 2:** Performance of the students in online assessment

Particular	Students	N	Performance %
Performance	Male	30	68
	Female	30	64

From table 2, it shows that male students' performance is slightly higher than the female students but overall the performance is more than 60%. It is a good sign which can help in teaching and learning purposes.

### Finding of the Study

The researchers have found from the study which is mentioned below:

1. Satisfaction of the male and female student on online teaching and learning process is significant at 0.05 level.
2. Male students performed better than the female students.

### Discussion of Finding

It has been observed from the result of the student that the satisfaction level between male and female of ICFAI University Tripura found no significance difference between male and female students for online class in teaching Learning. Dziuban *et al.* (2015) have explained that satisfaction of the students with online classes is a pillar of foundations of teaching and learning. Hixon *et al.* (2016) have focused on online teaching and learning needs an experienced faculty to make a class live then only its effects are positive. This insignificant difference may be attributed to the fact that the subjects for this study belonged to inter Department students of ICFAI University who were regularly undergoing the systemic condition program. And both male and female students might have similar facilities.

### Conclusion

The result of the study shows that there is no significant difference in satisfaction between male and female students in online teaching and learning in physical education courses. The majority of participants agreed that they were satisfied with online learning. The potential of e-learning is on the rise and more universities can take the online classes and offer courses in statistics in an online environment. The performance of male students was better than the female students in online teaching and learning. Because of this, researchers need to investigate new methods and ideas of making students more satisfied with their class and courses. The future of e-learning dictates willingness by instruction and institutions to increase the level of student satisfaction for the sake of increasing student's retention and outcomes.

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