

**Online Education in
University During Covid-19**

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Abstract—The educational system of universities has been collapsed during the lockdown period of the noble coronavirus disease 2019 (COVID-19) pandemic. This study is a portrayal of online teaching learning modes adopted by University for the teaching-learning process and subsequent semester examinations. One of the most common problems students face on online platforms is that they can't take online lab classes, which deprives them of hands-on learning. To overcome this problem, the university authorities should take the glasses online through three-dimensional simulations. In this case, the university authorities can manage the lab classes properly using a three-dimensional simulator

application or develop a simulator application so that students can enjoy all the benefits of the lab at home.

Index Terms-pandemic, covid-19, technical training, Bangladesh.

I.INTRODUCTION

All the educational institutions of Bangladesh remained closed since March 17, 2020 because of covid19. So, the students of all level have to stay home and continue their study through online.

This pandemic heavily heats the life routine of university student's life as no meeting with friends and relatives. Also loosing part time jobs.

Although online education in universities is helping students to continue their study but it also effects normal life style. Students

have to face some problem. They can't take the full advantage of online class. Especially the students of engineering cannot do their lab practical class at online. By doing this, the students are passing the semesters but they are being deprived of knowledge.

The article is organized with some problems and solutions which can be helpful for the students to do their lab class at online.

II. Methodology:

A. Describing the solution:

Since the educational institutions are closed during this epidemic, the students are continuing their teaching online. In this case, they are being deprived of the lab classes. In this case students can complete their lab classes properly using a three-dimensional simulation rich application. Microsoft

Teams is a three-dimensional simulation software and by using this software, students can take advantage of the lab at home. University authorities should fill the gaps of student lab classes through an advanced technology-rich three-dimensional simulation application.

B. Method used:

An extraordinary process adapted for this process to collect various information about the report.

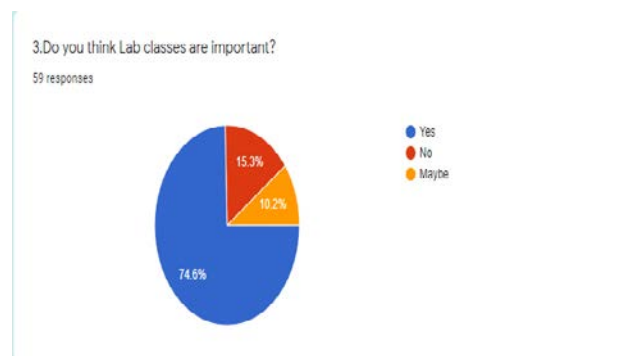
To get enough data I have selected 50 private university students. They are from various universities all over Bangladesh. I took some questions in front of them and they commented like themselves. This process had questions on the effects of covid-19 on university level education. This gives an idea of

what opportunities they are getting and what opportunities they are being deprived of by taking classes online. These survey were held Google form considering the pandemic period. Each survey lasted for 4-5 minutes with 6 different types of question to describe the whole situation.

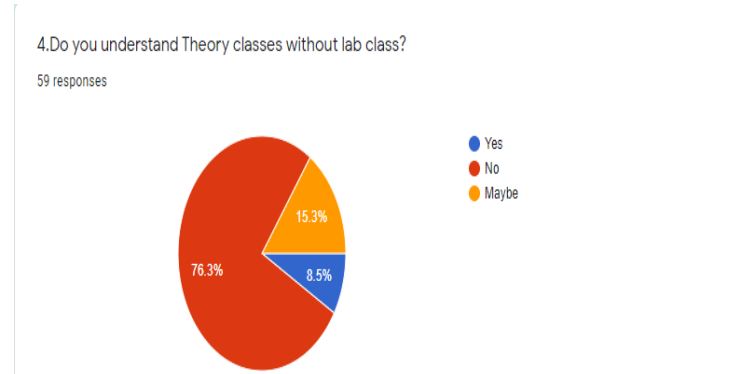
III. Findings and RESULTS:

A. Findings:

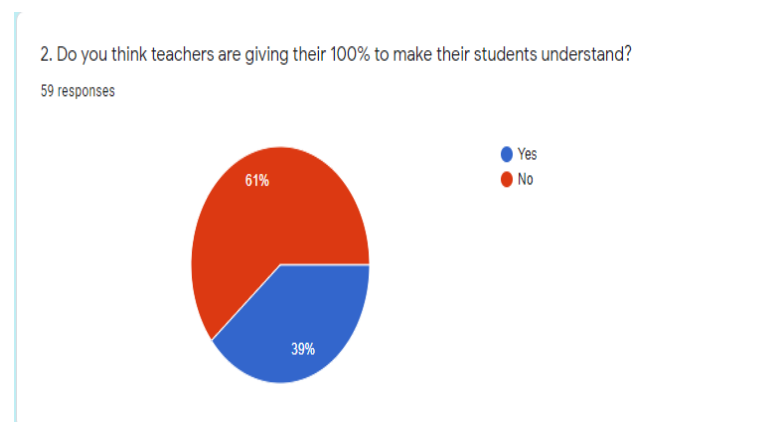
From the data taken from the people, the diagram shows the possibility.



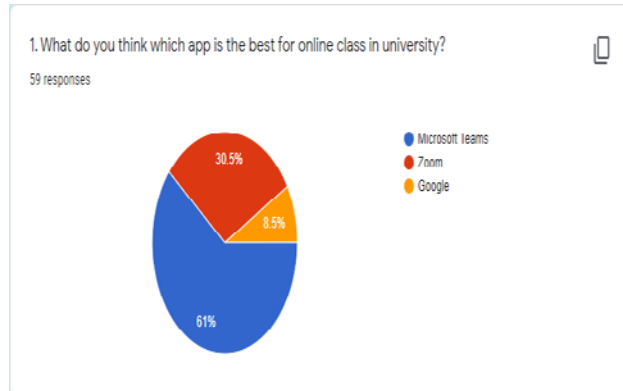
Do you think Lab classes are important?



Do you understand Theory classes without lab class?



Do you think teachers are giving their 100% to make their students understand?



What do you think which app is the best for online class in university?

believe that without lab classes they don't understand theory classes. And 72.9% people said that it is not possible to take lab classes at online as usual online class system. 61% people also believe that Microsoft Teams is the best application for online classes because they believe it can be as a 3D (3 dimensional) simulator system.

B. Analysis of the result:

Due to coronavirus all educational institutions are announced to be closed. So the survey of my report has come an end. I have gathered 59 responses with various information through the survey from the university students. According to survey 75.9% participants told that lab classes are important for better understanding and 62.1% participants told believe that teachers are not able to teach 100% of the students in online platform. 76.3% participants

IV. Recommendation:

For the epidemic, since the students are not able to go to the university and take classes, to continue their online teaching program with all kinds of facilities. In this case students can complete theory classes as well as lab classes using three-dimensional simulation rich software so that their regular study is not interrupted.

V. Conclusion:

Through the current study shows that students are little bit unhappy with the online education but at the end they were very much beneficial. Covid-19 outbreak has spread its effects on student's education including mental health and social relationship. The study also highlighted that If students can do lab classes using the three-dimensional simulator application, they will have ample opportunity to study at home during this epidemic. Students are being deprived of lab classes, university authorities should use three-dimensional simulator applications as soon as possible to create an environment where students can complete lab class at home in this crisis period of covid-19 pandemic.

VI. References:

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59 responses



Accepting responses

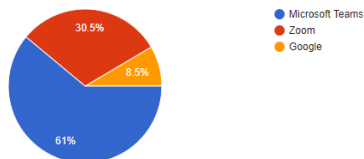
Summary

Question

Individual

1. What do you think which app is the best for online class in university?

59 responses



2. Do you think teachers are giving their 100% to make their students understand?

59 responses

