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Overcoming the challenges of online learning during Covid-19

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Abstract— This report aims to describe the status of the students due to online learning and suggests some solutions to problems which students face due to certain circumstances. An app or online platform could be introduced to help students to an extent and use of the right platform could also reduce the technological difficulties. A survey is conducted to gather the data of students about how they feel about online learning. After analyzing the data, some solutions are suggested depending on the situation that might help the students.

Index Terms—Online Platform, Submit Request

I. INTRODUCTION

A. Background Information

As the Covid-19 pandemic is going for more than 1 year, more or less every student is going through online classes to keep their studies going. To conduct these classes, different universities use different approaches. There are varieties of applications that are used to conduct these classes. Even our education minister said, [1] “Even if educational institutions reopen, online classes and assignment activities will continue amid the pandemic”. By this statement, it can be assumed that, online learning might go on alongside physically presented teaching.

B. Overview of this report

This research paper suggests some solutions of some challenges that students face in online classes which might help them overcome those problems. There are many students who face difficulties due to unfamiliar environment and lack of resources. And because of their lack of interest and enthusiasm, they often can’t solve those problems. This report highlights how students are affected due to online teaching system and suggests some solution according to those obstacles to help them overcome the problems.

II. METHODOLOGY

A. Description of the solution

As almost every student is doing online classes using some applications, they often face some challenges of online learning. To overcome this problem, some solutions are introduced. One of the solution is using the most simplistic platform for classes. Different universities use different platforms for that students faced variety of these platforms.

The survey shows students prefer google meet to be the easiest platform to understand and use.

Another solution could be developing an app that takes a request from the students of their need. And within 20 minutes, the app will give them a solution to the request so that the students don’t need to search for hours for the solutions.

As an alternative solution of the previous one, those who do not understand lectures, an online platform could be introduced where students will submit a request regarding a specific topic, the crew working on the platform will submit a link or video of an youtube video tutorial or pdf files.

Last but not least, according to unicef [2] “Vulnerable families should be supported so that they have the means to acquire equipment and skills to be able to support their children learn online.”

These solutions might help the students overcoming the challenges they face due to online learning system.

B. Methods Used

To get the data of what students use and feel about online classes, a survey was performed. It was done so that the students could be differentiated by how many students faced challenges to the unfamiliar technology, how many have difficulties understanding lectures, how many struggle managing times and avoid disturbance and so on.

Google forms was used to perform the survey and 10 questions were created to distribute them to the contributors.

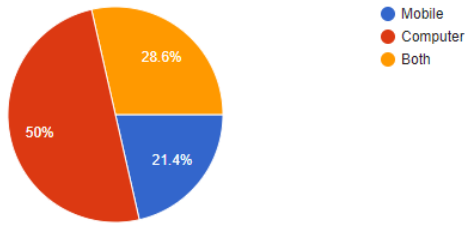
C. Selection of Contributors

As this report completely focuses on students, the feedback of 14 students were taken into account.

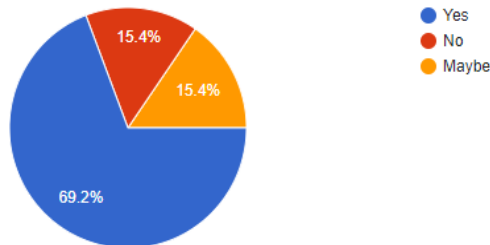
III. RESULTS AND DISCUSSION

A. Analytical Results

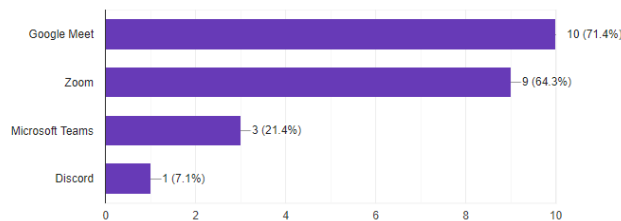
The pie chart shows how many students use which types of devices for attending online classes



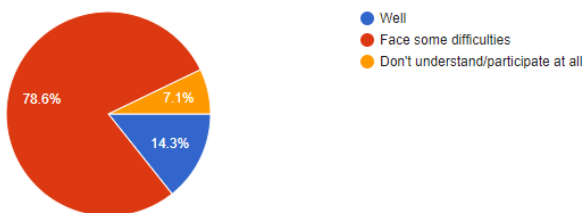
The survey shows if students faced trouble accessing technical tools



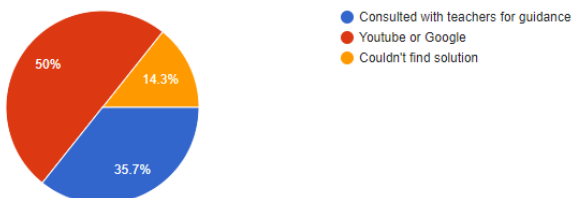
The data collected from the survey also shows what platforms student prefer or are easy to understand the most



The survey also represents of how well they feel using mobile devices for online classes



The pie-chart shows what actions do students take if they face some problems



B. Discussion

The first chart shows a general representation of which devices are used by students to attend online classes. A small portion of the students use mobile phones. Now the 4th chart shows how difficult it is to use a mobile phone to attend online

class which is a huge percentage. It means almost 80% of mobile phone users face difficulties attending online class. To solve this challenge, all of the solutions might be helpful as simplistic platforms can be used easily in any device and using an app or online platform to submit help request is always helpful.

The bar graph shows the percentage of preferable platform by students which appears to be google meet. It is the easiest and most user friendly platform for students according them. So using this platform in all universities might reduce the amount of students who face technological issues regarding their teaching platform.

The last pie-chart highlights the amount of students who uses 3rd party source to solve their problems like youtube or google. Sometimes they don't even find the solution. In this case, taking the help of the app mentioned or using an online helping platform might help them find the solution and it may also save their time.

IV. CONCLUSION

To conclude, this Covid-19 pandemic is causing some problems to students to an extent. With the solutions mentioned, students could overcome some if not all challenges they face due to this online learning system. As there is no exact cure to this Covid-19 situation, this online learning system might go on for some more time. So these solutions might help them overcoming the challenges of online learning.

V. REFERENCES

- [1] Mamum Abdullah, "2020: The rise of online education," <https://www.dhakatribune.com/bangladesh/2020/12/31/2020-rise-of-online-education>, accessed: Apr 16, 2021.
- [2] Kristijan, "Learning Online: Problems and Solutions," <https://www.unicef.org/northmacedonia/stories/learning-online-problems-and-solutions>, accessed: Apr 17, 2021.

VI. APPENDIX

