

## COVID-19 and E-Education in Bangladesh: A Study on Some Selected College.

S M TAZUDDIN, Assistant Professor, Business Administration (BBA) Dept. Cantonment College Jashore

### Abstract:

The whole world, including Bangladesh, is going through a critical period due to the new coronavirus or Covid-19 infection. The number of victims is increasing day by day and due to this the general holiday announced by the government has been extended till August 31. This study conducted on COVID-19 and E-Education in Bangladesh: A Study on Some Selected College. Both primary and secondary data are used in this study. There is a particular focus on e-education as defined with reference to formal primary education. This paper focuses the present scenario and limitations of E-education in Bangladesh. The study also shown, different app and portal are used in e-learning. The paper identifies some problems faced in e-education system and gives some suggestion and recommendation to overcome those problems.

**Keywords:** Covid-19, E-education, Zoom, Facebook Live class, Lockdown, Students, Teacher, College, E-learning and Institutions.

### 1. Introduction

Covid-19 is a global epidemic that is primarily identified as a health crisis. Later it has an impact on the financial, social, political and educational system. All types of educational institutions have been declared closed. The impact on the education system has been far greater than the impact on the national economic, social and political management. Although lockdown, shutdown and quarantine rules have been issued in all cases to deal with the crisis caused by Corona, there has been some relaxation and partial but normal activities have been conducted conservatively. But since the educational institution is a necessary meeting place for the students to study according to the rules and the barriers to the rules of social distance, therefore, nationally, all educational institutions have been brought under strict lockdown. It is strictly forbidden to conduct teaching or learning activities structurally or by attending educational institutions. The government has been warned to take legal action against any organization involved in such activities.

In Bangladesh, the lockdown and social distance control rules have been announced since March 25, 2020, but educational institutions have been closed since March 16, 2020. But in education management and planning it is a time when the term / semester begins or ends at all levels of education. School and college students have suffered the most in this crisis of education in our country. In schools the National Curriculum is just the beginning of the academic year and the International Curriculum is almost the end of the academic year. The situation is similar in colleges. As a result, a heavy mountain of anxiety has descended between students and parents. There is a lot of skepticism and intense fear among the parents about the future of their child's education and the examination system. Meanwhile, there is a lot of curiosity among the students as to whether they will be able to take the exam at all, how long the school will run like this, what will happen to the studies, etc.

To assuage some of these speculations and fears, our government has already put a lot of emphasis on alternative methods of continuing education. Launched an alternative section of educational activities with the slogan `My school in my house`. Parliament is already conducting regular classes on television to alleviate some of the worries of students and parents. In the case of universities, some restrictions have been imposed by the UGC, but there are clear guidelines for the continuation of alternative methods, such as online-based education, in school colleges.

It is true that Covid-19 has harmful effects in all cases. But there is no doubt that the importance of online based education has increased a lot in this critical time of the nation to keep the students active in their studies.

## **2. Theoretical Aspect**

### **a). E- education:**

E- education is an education system that is different from general education and it is a digital education system that requires the implementation of modern technology such as computer or mobile or any such device and internet connection can be through net data or Wi-Fi or broadband Connected via connection.

### **b) Traditional and Conventional Education:**

In short, any class using the Internet-based medium of communication is an online class where a teacher teaches from a convenient location outside the classroom and students participate in live classes and exchange views via video conference from their respective homes. There is no difference between an online class and an academic class without physical presence only. All students allowed here can participate in classes from anywhere in the world using the same platform. The teacher takes the class directly and the student's computer or mobile screen will be his class. Students can get instant solutions by asking questions to the teacher like in real class. It's like a fetch to fetch class. Even so, owning one is still beyond the reach of the average person and can be viewed later. Also upload images, videos,

The traditional way of education, our boys and girls get a lot of pleasure from going to school together, packing books and carrying bags on their shoulders. The satisfaction of sitting in the same classroom and learning directly from the teachers is different. But, if the Corona crisis continues for a long time, then we have to continue our studies. So it has become necessary to continue the trend of online or E-education.

## **3. Methodology**

### **i). Types and sources of data**

The present has been involved in the collection of data both from primary and secondary sources. The paper has been based on mostly descriptive in nature. To complete the study in the light of research objectives, primary data have been collected through personal interview of selected college teacher and students. The secondary data have been obtained from college library, journal, published report, various books and internal article.

### **ii). Selection of the respondents**

The schedules had been designed for categories of the respondents' viz. teacher, staff and students. A total of 10 teacher and staff consisting two from 5 colleges, and total of 30 students i.e. 6 students from college. The categories and number of the respondents are summarized in tale

Respondents	Particular	Total
Teacher	2X5	10
Students	6 X5	30
Admin	2X5	10
	Total	50

#### 4. Objectives

The objectives of the study are:

- i) To know the e-education, Traditional education and its component;
- ii) To study the profiles of respondents ;
- iii) To find out the problems faced by respondents and
- iv) To give some suggestion and recommendation for overcoming those problem.

#### 5. Discussion and Analysis

##### A). Different portal used in E- education

Online based education system is very important in this time of emergency. All the countries of the world are now continuing their education activities based on this method. In this case, Bangladesh was a little behind in the beginning, but now most of the students are getting used to it. Because, COVID-19 has made it very clear today that no constraint can disrupt our education.

As a result of COVID-19, online education system is now one of the ways where all students, teachers and parents are under house arrest, educational institutions are also locked and structured learning environment is absolutely impossible. Using modern technology, boys and girls can easily participate in face-to-face class activities at home. One of the great benefits of online learning is that students and teachers can save their lessons on a used device, which can then be re-downloaded and memorized.

The current crisis has made it easier for us to fully realize the dream of building a digital Bangladesh. Since there are no more opportunities to go to school-college and study at home, online education is now an important option. This requires some necessary means of teaching which can be used to continue the trend of learning. The following are some of the names of such online based education portals or sites that will be very helpful for students to continue reading and writing at home. At this juncture in the nation, online education is the only way to keep our students in touch with their studies. For the convenience of teachers and students, various research institutes have discovered various applications under different names which are used as a medium of online learning. Below are some of the means to inform as follows:

**Table 1**  
**Used in Apps for doing class**

Used in Apps	No. of Respondents	In percentage
1.ZOOM	12	24%
2. Google Classroom	08	16%
3.Coursera	01	02%
4.YouTube Live	03	06%
5.Facebook Live class	20	40%
6.Team Viewer	02	04%
7.Others	04	08%
<b>Total</b>	<b>50</b>	<b>100</b>

#### **i). ZOOM**

Zoom is currently the most popular service for conducting online live classes. 100 to 1000 people can participate in a 40 minute class depending on the meeting or class. Above table shown 24% respondents used Zoom. Participants will be able to see each other and ask questions to the teacher. There are facilities for individual meetings and group meetings. In

addition, if someone wants to write something during the class, a white board appears on each screen, where any relevant question can be asked.

## **ii). Google Classroom**

It is a very popular teaching medium in online education. Many teachers in our country are now taking classes using Google Classroom ([classroom.google.com/](https://classroom.google.com/)). If you want a free teacher, you can register in Google Suite. Then students can enter the class with the prescribed code. In addition to numerous classes in one course, 20 teachers can add their classes. From the above table it is shown 6% respondents used it. There is a facility to add Google Forms, Google Doc, Google Drive and YouTube videos for assignments. Videos of the class left in the classroom can be seen later. Students can take part in online classes from any device, not just computers. If a student misses a class then he / she can take the lesson at his / her convenience.

## **iii). Coursera**

From the table shown a few number i.e.2% of respondents used Coursera. Coursera is an advanced platform that uses 48 million students and teachers from different parts of the world get the opportunity to unite. Through the Coursera ([www.coursera.org](http://www.coursera.org)) platform, students can learn from world-renowned teachers and professors.

## **iv). YouTube Live**

This is not a direct learning method, but if the teacher records and uploads his speech, the student can watch it at the time of his choice. Can. This is the largest video sharing site. From the above table it is shown 16% respondents used it .Anyone can create a channel using their designated account. It has a private option with which only scheduled students can be shown. Once again, the video can be premiered at the scheduled time of the course by uploading all the videos at once. This is an excellent teaching medium based online.

## **v). Facebook Live class**

It is a very easy to use social media that teachers and students can use to create learning classrooms. Live classes can be taken in different groups based on the course. From the above table it is shown 40% respondents used it and it is most usable portal in E-education. Apart from this, there is the facility of exchanging any documents, presentations, notes. Students will be able to report their problems in the comments during the live class. Even if you can't attend class at that time, these live classes will remain as videos in the group later. So even if a student misses a live class, they can find out again from the group wall. Through this, students can master the lesson by taking it at ease. Students can even take feedback by submitting homework, classwork or any project.

#### **vi). Team Viewer**

It is a small medium for conducting online based classes. From the above table it is shown 04% respondents used it. To use it, the teacher invites the students with the prescribed passcode and can take the class in a convenient way.

#### **vii). Google applications**

In addition to the Google classroom, Google has a number of other popular applications that can be used to easily manage class activities directly. Famous among these are G-suit, G-meet, Hangout, Duo etc.

#### **viii). k-12 education**

It is an Apple application that can be used for effective teaching. This is a favorite application of students.

#### **ix). Flashback Express**

In addition to the presentation on the content screen created by Flashback Express, the teacher's lecture on the subject can also be viewed live in the online class using the application called Flashback Express.

#### **x). Social Media Apps**

Today, social media is one of the main means by which teachers and students can use their classroom activities comfortably. The main ones are Messenger, imo, LinkedIn, Instagram, Skype, What's Apps etc.

## B. Analysis:

### i). Family Structure of the respondents.

The family structure also has a motivational goal to the performance of the respondents. It is known to all that there may be nuclear family consisting husband, wife and unmarried sons and daughters and joint family composed of 2 or more nuclear families. In these respect the following table 2 shows the family structure of the clients.

**Table 2**  
**Family structure of the clients**

Nature of family	No. of respondents	In percentage
Nuclear family	36	72
Joint family	14	28
Total	50	100

*Source: Field Survey*

The table shows that 72 percent respondents belong to nuclear families, 28 percent hailed from joint families. Thus, nuclear families dominated in sample group.

### ii). Amount spent for attending class

For attending class, respondents are to incur cost for purchasing of android phone, Mb card, Mb package and minute card expenses etc. The cost varies depending on respondent's choice. After purchasing of android phone, in the following table the amounts spent by the respondents are stated.

**Table 3**  
**Amount spent for attending class**



Expenses (Tk)	No. of Respondents	In percentage
Up to 150	15	30
151-300	25	50
301 and above	10	20
Total	50	100

*Source: Field Survey*

The above table focuses that the majority of the clients incurred cost Tk.151 to Tk. 300 which was 50%. The next 26% of the respondents incurred cost from up to Tk. 150. Only a little percentage of 20% incurred cost from 301 and above.

### Problems faced to user

**Table 4**  
**Problems in doing class**

Nature of Problems	No. of Respondents	In percentage
Electricity	12	24%
Network	20	40%
Operating	10	20%
Access	08	16%
Total	50	100

*Source: Field Survey*

The table 4 shows that 40% of the respondents suffer network problem in doing their present business. On the other hand 24% of respondents reported that they suffered electricity problem of their class. 20% faced difficulties in operating their work and 16% faced the problems in access the class.

## 6. Problem, suggestion and recommendation

### a). Problem faced by Covid-19:

#### Students:

i). Student is the lifeblood of college. Their presence and regular study take the education trend forward. Students are more vulnerable due to lockdown. But when the college is closed for a

long time, they feel very tired and uncomfortable sitting at home. As a result, they become emotionally damaged.

ii). Lockdown disrupts students' daily routine work. Regular waking up, sitting at the reading table, completing homework given by subject teachers, etc. is all part of the regular program. But due to Covid-19, institution is closed; they have irregular periods of regular work which is detrimental to them in the long run.

iii). Students benefit in many ways, including learning from the teacher in the classroom every day, sharing knowledge with them, and acquiring new knowledge on a daily basis. But the college is closed; they are deprived of such facilities. As a result, students move far away from the environment of actual learning.

iv). Not being able to go to school for long periods of time is quite a threat to the mental development of the students.

v). The lockdown has resulted in drastic changes in the normal behavior of children. Abnormalities are manifested in their mutual conversation, politeness, normal activities etc.

vi). For living under house arrest also harms them physically. Many are uncontrollably involved in social media. It is harmful.

#### **Teachers:**

i). Like students, teachers are severely affected by the closure of schools and colleges. For due to Covid-19, they are off move away from all these activities; as a result their incompetence increases day by day.

ii). The normal life of teachers is disrupted. Most teachers, especially those who do private tuition or work in a private educational institution, have a lower income. They even struggle to run the family as they do not have any money saved.

iii).The lack of school activities for a long time disrupted the exchange of education between the students and the teachers. As a result, the student-teacher relationship deviates.

### **Institutions:**

i). Prolonged closure of schools and colleges due to lockdowns can cause extensive damage to educational institutions.

ii). For due to Covid-19, institution are closed for a long time, there are many deviations in following government or non-government specific rules and regulations. As a result, there are allegations of various types of irregularities among teachers, officers and employees.

iii). Due to the coronavirus lockdown, there is a lot of speed in providing daily services to these institutions. It is difficult to provide food, drink, accommodation and security services to those engaged in the round-the-clock safety, cleanliness and local management of the school.

iv).All educational institutions prepare curriculum and syllabus according to their own academic calendar. Since the teaching is almost closed due to the sudden implementation of the lockdown provision, it is not possible to finish their planned syllabus. As a result, all the annual activities became uncertain.

v).Due to close for a long time, the institution authorities became upset as the students could not take the exams on time. Various comments from students and parents and unwanted whims also disrupt the normal functioning of the institution.

Vi). The school and college authorities are facing another major risk due to the lockdown, which is the inability to pay salaries, allowances to teachers, officers and staff on time. The mixed reaction has embarrassed the authorities.

### **B). Some suggestions and recommendation**

At this juncture of the nation, it is very necessary for all of us to come forward and solve this problem in an emergency. The following is a summary of some of the solutions:

i).It is imperative for the school authorities to keep online based education activities in the modern times. Nowadays, under Distance Learning, a number of education related apps have been discovered which make it very easy to provide and receive instruction at home even from lockdown.

ii).There are a variety of devices including Google Classroom, Google Hangout Meet, Skype, Messenger, WhatsApp through which class activities can be easily carried out.

iii).Students and parents can get a lot of emotional relief by conducting classes according to the daily lesson plan. Our government has already continued teaching through some modules based on Parliament TV, Education Window and Education Board. All institutions can conduct online education activities in this way.

iv).Every day teachers can routinely exchange greetings with different classes of students. So that good relations are maintained with the students and parents and they can come forward to solve each other's emergency problems.

v). Occasionally student-teacher-parent conferences can be held online. As a result, friendly relations are maintained between all and everyone can live peacefully mentally.

vi). Teachers can sometimes give homework to the students by giving lessons according to the class-based subject, so that they are busy with reading and writing at home and cannot concentrate on any other work. At the same time students can sit at home and engage in their own work.

vii). In the event of a lockdown, they can acquire any type of technical education to advance their future career. Students can also concentrate on arts and crafts according to their intellectual talents. At this time, parents can always cooperate with their children in the work of intelligence, general knowledge and talent.

viii). Students can create daily programs or action plans in consultation with teachers according to their convenience. They can eat, drink, sleep and study. Their program must include light exercise and regular exercise accordingly.

ix).The school and college authorities can keep the automation system in the school management and then it can be the best way to get in touch with parents and students. As a result, the authorities can easily communicate with everyone and issue an urgent notice. Similarly, parents can pay all the dues they need, such as tuition fees. It establishes a good rapport with each other and works in unison to resolve any crisis.

X). In this case, it is our moral responsibility to protect students from the widespread harm caused by coronavirus and the suggestions made on this occasion may be complied with. We pray to the Lord to protect us from the curse of Corona and to make amends for the detrimental effects it has had on the education system.

## **7. Conclusion:**

From the above discussion it is understood that Corona injury is a huge challenge for the present generation from which they can learn a great lesson of building themselves up to date. COVID-19 is not an obstacle in the field of education, but it has opened a new horizon in the field of education. Our students can be smartly successful in meeting any challenge of the twenty-first century if we can ensure the proper and efficient use of the sophisticated teaching mediums and materials that have already been discovered to continue the trend of education. The good news is that various institutions in our country, especially in Jashore, have launched online based classes. Cantonment College Jashore is one of them. Online education activities are continuing in all the branches of this institute and they have already completed other tests including class test and fast term test. They are Google Meet, WhatsApp, Messenger, with its own module SaaS and Google Classroom, has been very successful in conducting educational activities, according to several national news media. All doubts of teachers, students and parents will be removed and the normal flow of education will continue. As a result, the nation will be better educated and will be completely safe from the

harmful effects of corona. All doubts of students and parents will be removed and the normal flow of education will continue. As a result, the nation will be better educated and will be completely safe from the harmful effects of corona. All doubts of students and parents will be removed and the normal flow of education will continue. As a result, the nation will be better educated and will be completely safe from the harmful effects of corona.

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