

## Rapid-Adoption of E-Learning During Spread of Corona Virus (COVID-19): A Special Reference to Bangalore and Hubli City

Dr Kartikey Koti

Professor, Dept. of Commerce, PES University Bangalore, Karnataka, India  
[drkoticbs@gmail.com](mailto:drkoticbs@gmail.com)

### Annotation:

The study was taken to examine the adoption of E-Learning during the spread of the coronavirus. For the study, we consider two places in Karnataka State. One is Hubli-Dharwar twin city, and the other is the capital Bangalore. During the study, it is seen that for perceived usefulness 18-30, both male and female, the mean score is 4, which is High Influencing. And the influence of gender on perceived ease of use accepted factors are OL system text/labels/menu items are easy to understand, OL system is easy for me, It would be simple for me to get adept at utilizing the internet learning framework. For the social aim to utilize respondents, the high im-pacting factor is to Recommend the web-based learning framework to other people who look for my recommendation with a mean score of 3.92. And for the e-service quality majority meet expectations using skewness and kurtosis test.

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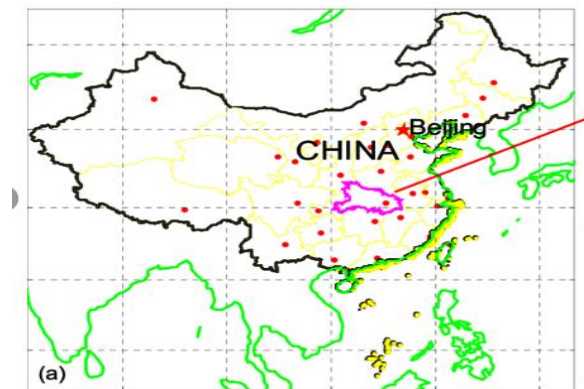
**Keywords:** COVID 19, E-Learning Adoption, Corona Virus.

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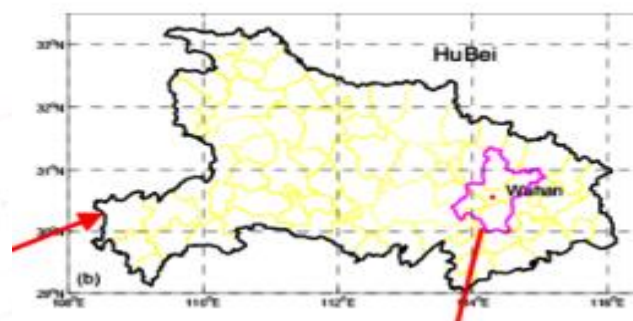
### 1. Introduction

The common name of the coronavirus pandemic is Covid-19 which was highly unexpected. By the end of 2019, it took attention by killing more than 6.5 crores [1-3]. There was no news of such a pandemic for almost two decades. And the working notes and research-oriented [4-11]. As per the BBC's future expectations, there can be crores of comparable infections like Covid 19 concealed globally [12-23]. This virus started in China- Beijing (Hubei province). The 55 years person was the first to be infected in Hubei province, which further was spread virally. This took momentum for lockdown by January 20 in China [24-41]. Hubei province is the capital of Wuhan, China, where the pandemic started (figures 1 and 2).

## 2. Location



**Fig.1:** Location 1



**Fig.2:** Location 2

## 3. Objective:

- To identify the perceived usefulness of online learning by respondents during Covid-19
- To Study the influence of gender on perceived ease of use during Covid-19
- To Examine the behavioural intention to use of respondents during Covid-19
- To know the E-Service quality (3 dimensions, efficiency, system availability, and privacy protection) during Covid-19

## 4. Scope and limitation:

The investigation is limited to just Dharwad and Bangalore District of Karnataka. India is a Hub of Educational institutes and universities [42-65]. As Covid-19 spreads the nation quickly over, internet learning has become significant and needs great importance. Comparable work can be led to different pieces of country [66-76].

## 5. Research Methodology

The study is based on a primary source of data [77]. The data is collected from the students in two main districts of Karnataka; one is Dharwad and the other in Bangalore [78-89]. We have thought about 100 examples for the examination. The example is haphazardly taken from the examination region [90]. The organized survey was disseminated among the local understudy area through the assistance of a report sent through Email [91-101]. For examining the information, we have utilized factual apparatuses with the assistance of the IBM-SPSS application. For perceived usefulness, we have considered mean scores, and the F test is used for the influence of gender on perceived ease of use, mean score for Behavioral intention to

use of respondents and skewness and kurtosis for E-service quality (3 dimensions, efficiency, system availability, and privacy protection).

**6. Results and Discussion**

**Table 1.** Perceived Usefulness Of Online Learning By Respondents

			OL system addresses my educational needs	OL system enables me to accomplish study tasks more quickly	OL system supports critical aspects of my education.	OL system increases my learning productivity.
	Cronbach’s alpha		0.762	0.749	0.740	0.746
		Gender				
AGE	18-30	Male	4	3	2	3
		Female	4	3	2	4
	31-40	Male	4	3	2	4
		Female	3	3	1	4
	Above 40	Male	4	4	2	5
		Female	3	5	2	4

*Source: Sample Survey*

From the above table 1, it very well may be seen that every one of the consistency of the variables is dependable as it is above 0.70, i.e., OL system addresses my educational needs, OL system enables me to accomplish study tasks more quickly, OL system supports critical aspects of my education, OL system increases my learning productivity [102-115]. (Nunnally-1978, p.- 245; is routinely associated with the attestation that instruments used in essential exploration ought to have the dependability of 0 .70 or better)

It’s further seen that the majority of the factors highly influencing in case of the OL system addresses my educational needs under the age group between 18-30, both male and female the mean score is 4, which is High Influencing [116-131]. Between 31-40, the male is 4, which is High Influencing, and the female is 3, which is Mediocre and above 40 years male is 4, which is High Influencing, and the female is 3, which is Mediocre (Kartikey Koti- 2018, p-147; Mean Value: 1- 2.5 Low, 2.5 -3.5 Mediocre, 3.5 and Above High Influencing). The case of the OL system enables me to accomplish study tasks more quickly under the age group between 18-30, both male and female the mean score is 3, which is Mediocre. Between 31-40, the male is 3, which is Mediocre, and the female is 3, which is Mediocre and above 40 years male is 4, which is High Influencing, and the female is five, which is High Influencing [132-141]

In the Case of the OL, the system supports critical aspects of my education under the age group between all the ages and gender [142]. The mean score is within 2, which is low. In the OL, the system increases my learning productivity under the age group between 18-30, where the male is 3 Mediocre, and for females, the mean score is 4, which is High Influencing. Between 31-and 40, the male is 4, High Influencing, and the female is 4, which is High Influencing and above 40 years male is 5, which is High Influencing, and the female is four which is High Influencing (table 2) [143-151].

**Table 2.** Influence of Gender on Perceived Ease of Use

Option	DF	F	Sig.	Computation	F-Result
OL system text/labels/menu items are easy to understand	1	2.74	0.056	F(1,98)=2.74 , p=<0.05	<b>Accepted</b>
OL system is easy for me	1	1.16	0.025	F(1,98)=1.16, p=<0.05	<b>Accepted</b>
It would be simple for me to get adept at utilizing the internet learning system	1	0.134	0.021	F(1,98)=0.134, p=<0.05	<b>Accepted</b>
OL system easy to use	1	0.62	0.804	F(1,98)=0.62, p=<0.05	<b>Rejected</b>

Source: Data Computed

**F critical value=2.76**

In the above table, we can observe that the influencing factors of perceived ease of use are:

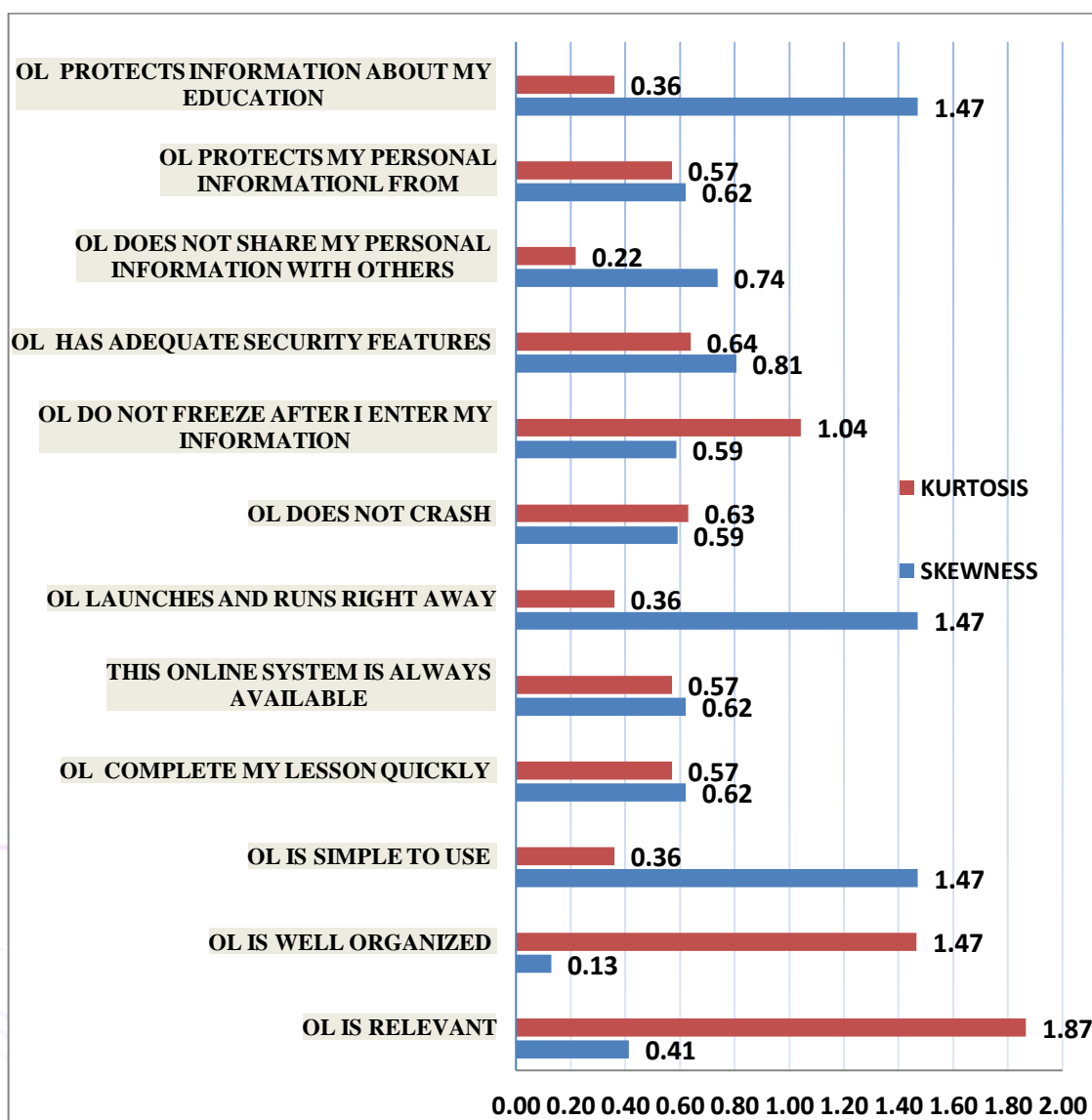
1. OL system text/labels/menu items are easy to understand (Accepted under the F test )
2. OL system is easy for me (Accepted under the F test )
3. It would be simple for me to get adept at utilizing the internet learning system (Accepted under the F test)
4. I find the online learning system easy to use (Rejected as the p-value is greater than 0.05)

**Table 3.** Behavioural Intention to Use of Respondents

Factors	Mean	Factors Influencing
Revisit my online learning system in the future	2.61	Mediocre
Positive things about the online learning system	3.91	High Influencing
Recommend the online learning system to others who seek my advice	3.92	High Influencing
Mean Value: 1- 2.5 Less, 2.5 -3.5 Medium, 3.5 and Above High		

Source: Sample Survey

From the above table 3, it is observed that all the factors are influencing [152-162]. The factors influencing a higher note are Positive things about the online learning system and Recommending the online learning system to others who seek my advice. The mean score stands between 3.9 to 4.0, which are high influencing factors.



**Fig. 3:** E-Service Quality (3 Dimensions, Efficiency, System Availability, And Privacy Protection)

It very well may be seen that applying the standard rule of segmenting each regard by its standard Error gives by all skewness and kurto-sister are well inside  $\pm 1.96$  limits, suggesting that the departure from regularity isn't exorbitantly absurd. A portion of the respondent's choice of E-SERVI CE QUALITY meets expectations (figure 3).

**7. Conclusion:**

With the rapid spread of the coronavirus (covid-19), people worldwide have become panicked as the outcome they do not intend to move out of their homes. Challenges during this time have pressured many sectors, one of them being the educational sector. The study has focused on how interaction is managed with students for conducting the session. During which some of the major challenges are found in this sector. The age group between 31-and 40 females is 3, which is Mediocre; in the case of the OL system supports critical aspects of my education under the age group between all the ages and gender, the mean score is within 2, which is low. OL system easy to use is rejected under F-test. Revisit my online learning system in the future is Mediocre with a mean score of 2.61. These Challenges should be taken care of to overcome their challenges. To overcome Covid 19, both the public's collective effort in the form of Educational institutes and the respected government departments to overcome the challenge. Online learning has helped in a

greater way. To keep social distancing, this would be the proper tool. Internet network, speed, and application play a major role in the successful functioning of the online system.

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