

Divergence among Students for E- Learning Skills in Different Districts of Jammu & Kashmir

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Abstract:- In today's world due to the development of technology a student can gain more information through online environment, many higher education institutions have both traditional learning and e-learning in order to deliver best knowledge and train the students in their specialized courses. E-Learning has changed our world of learning for the students, now a days students has started using social networking websites to learn and share day to day activity, it provides features like uploading and sharing photo, sending and receiving messages and searching and connecting friends and communities. The social websites enables people to be active and selective in their exposure to communicating and sharing. The aim of this research paper is to discuss about e-learning through students perception that what a student thinks about the e-learning system i.e. in e-learning students learning is personalized, he can learn anytime, anywhere, can learn based on his pace, etc. All these questions were distributed to the students of different institutions of different districts of Jammu and Kashmir through questionnaires and were also asked through personal interview and it shows us how familiar students are with use of e-learning. The result was then analyzed for analysis for variance of variance (ANOVA) in a randomized block design with three replicates using and SPSS to understand the significance of difference between the elements. It is clear from the results that most of the students are familiar with the e-learning system and are supporting e-learning.

Keywords: Divergence, E-learning, students, courses, Jammu & Kashmir

I. Introduction

Internet is one of the recent trends in communication and understanding switch. Internet is regarded as a technological know-how asset due to its ability to disseminate tremendous volumes of understanding high-quality and efficaciously to all forms of stakeholders including employees, buyers, shareholders and suppliers. Internet is a lot more than information atmosphere. It's a social technology, a sophisticated communication medium, a brand new publishing paradigm, a recreational and business entity. In these days's environment, web is gradually being translated into a public utility with the expertise, to convert every day expertise and communication behavior. Nowadays, internet is more accessible and less high-priced than it was once, and when you consider that, the number of web customers is developing day by day. The rapid development and commercialization of information and communication technologies (ICTs) for the education industry has prompted higher learning institutions in this sector increasing to adopt the technology. The commercialization of the web in this day and age has turns this instrument into the greatest publishing machine and the greatest bookstore on the earth. The commercialization of the internet can also be a signal of the commercialization of science and education. Commercialization of internet in education has immediate a brand new process of instructing which is referred to as electronic learning (E-learning). It is likely one of the present technologies that is greatly used nowadays. E-learning goes beyond digital technologies.

New E-learning technologies continue to turn out to be increasingly accessed and applied via humans of all walks of existence. More and more, the technologies are becoming more integrated as an invisible and ubiquitous part of a world method. E-learning in higher learning institutions aims to offer students a higher autonomy related to the point in time, the content material and the method during which they study by using offering on demand learning, that eliminates the limitations of time and distance[1].

Today, working adults or students are unable to attend classes on campus, therefore they request for a different form of education, one that is time flexible and costs saving. Their educational needs and demands are different from those of traditional students and to these students the online distance education is designed [2]. E-learning, as compared to traditional learning brings certain advantages resulted from the very specific of today's economy and society. These refer to a reduced time for getting in touch with the source of learning, flexibility of learning schedule which lacks the classic on campus classes, less costs for the participant due to the fact that the study does not involve travelling, accommodation. However, in order to become a lifelong solution, e-learning needs to offer trust and satisfaction to users [3]. Through Internet, the costs of learning are much lower as compared to the traditional form of education, while the relevance and retention capabilities of the learning process stay at the same level and, sometimes, even higher than in the classic way. That is because the electronic environment of learning may be

customized and adapted for individual users without involving high expenses, facilitating thus the transfer of information and knowledge [4]. Also, this form of acquiring knowledge is fit for introverted people, for those who need more time to process certain types of information, or for those who need to make appeal to various tools and techniques e-learning offers to satisfy various learning styles [5]. There is no face-to-face interaction, silence can be interpreted in many ways and can cause difficulty in the communication process. Without face-to-face interaction, the faculty will have a hard time in determining whether the students understood what was being discussed. Asynchronous communication allows the student to stay silent but still gives them the option to respond without a deadline [6]. E-learning is a service and, though it is virtually delivered, nonetheless it has to comply with customers requirements [7], it has to be considered as a quality means of transferring knowledge. Bringing quality in creating and developing a successful e-learning programs involves a careful study of users expectations so that the most appropriate tools for learning may be used in order to transfer knowledge towards them in the most efficient and effective manner.

II. Material and Methods

Effective eLearning comes from using information communications technology (ICT) to diverse educational opportunity and help students develop the skills they and their countries need to thrive in the 21st century. An emerging body of evidence suggests that e-Learning can bring considerable positive effects such as students are more engaged and able to develop 21st century skills, teachers have a more positive attitude toward their work and are able to provide more personalized learning, communities benefit from bridging the digital divide, economic progress can result from direct job creation in the technology industry as well as from developing a better educated workforce. Hence a study was carried out with the objective to understand the divergence in e-learning knowledge among the students at different districts of Jammu & Kashmir. Several variables were taken as a respondent's and questionnaires were distributed among 60 students of different colleges of each district of Jammu & Kashmir in order to identify the divergence in E-learning based on student's perception. The questionnaires include 9 elements to ensure successfulness of E-learning, which was subjected to Analysis of variance (ANOVA) in a randomized block design with three replicates using and SPSS to understand the significance of differences between the elements [8].

III. Results

It is evident from the data appended in Table 1 that highest mean percent (49.00) for my learning is

personalized was observed in Agree followed by Strongly Agree (22.05) and Neutral (20.64) whereas, as minimum mean percentage (4.02) was recorded for Disagree. Maximum mean percentage (100) for strongly Agree was found in district Budgam followed by Reasi(42.86) and Samba(33.33) however, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Bandipora, Kulgam, Pulwama Ramban and Shopian. Highest mean percent (84.62) for Agree was recorded for district Udhampur which was statically at par with Bandipora (83.33), Pulwama (76.47) and Srinagar (70.59) however, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Budgam and Ramban. Maximum mean percentage (80.00) for Neutral was found in district Ramban, followed by Doda (62.50) and Kishtwar (44.44) however, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Budgam, Kathua, Reasi, Samba, Shopian, and Udhampur. Highest mean percent (37.50) for Disagree was recorded for district Shopian followed by Kulgam (18.18) and Kupwara (17.65). Minimum (0.00) was observed for rest of all. Maximum mean percent (33.33) for Strongly Disagree was recorded for district Anantnag followed by Ramban (20), Baramulla (12.50) Kupwara (11.76) and Rajouri (7.14) showed significant difference with each other. Lowest (0.00) was observed for rest of all.

It is evident from the data appended in Table 2 that highest mean percent (47.17) for i can learn anytime, anywhere was observed in Strongly Agree followed by Agree (34.51) and Neutral (16.93) whereas, as minimum mean percentage (0.00) was recorded for Strongly Disagree. Maximum mean percentage (100.00) for strongly Agree was found in district Ramban (100.00), Samba (100.00) and Budgam (100.00) followed by Anantnag (66.67) and Doda (62.50) however, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Kulgam, Reasi and Shopian. Highest mean percentage (62.50) for Agree was found in district Rajouri and Kathua which was statically at par with Kathua (60.00) and Rajouri (57.14) however, rest of the districts showed significant difference with each other. Lowest (0.00) was observed for Budgam, Ganderbal, Ramban and Samba. Greatest mean percentage (55.55) for Neutral was found in district Kulgam followed by Ganderbal (46.15) and Kishtwar (44.44) however, rest of the districts showed significant difference with each other. Lowest (0.00) was observed for Anantnag, Budgam, Doda, Kathua, Rajouri, Ramban, Samba, and Udhampur. Highest mean percent (28.57) for Disagree was recorded for district Reasi however; rest districts have Minimum (0.00). Strongly Disagree have the Minimum (0.00) value for all the districts.

It is evident from the data appended in Table 3 that highest mean percent (45.43) for i can learn based on my pace was observed in Strongly Agree followed by Agree (31.49) and Neutral (21.37) whereas, as minimum mean percentage (1.73) was recorded for Strongly Disagree. Maximum mean percentage (100.00) for strongly Agree was found in district Samba, followed by Kupwara (64.71), Srinagar (64.71) and Ramban (60.00) however rest districts showed significant difference with each other. Minimum (0.00) was observed for Kathua. Highest mean percentage (80.00) for Agree was found in district Kathua, followed by Poonch (66.67) and Budgam (57.14) however rest of districts showed significant difference with each other. Minimum (0.00) was observed for Ganderbal, Reasi, Samba and Udhampur. Greatest mean percent (57.14) for Neutral was recorded for district Reasi which was statically at par Ganderbal (53.85), Udhampur (53.85) and Kishtwar (55.56). However, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Budgam, Kupwara, Poonch, Ramban, Samba and Shopian. Disagree have the Minimum (0.00) value for all the districts. Maximum mean percent (22.22) for Strongly Disagree was recorded for district Anantnag followed by Baramulla (12.50). Minimum (0.00) was observed for rest of all districts.

It is evident from the data appended in Table 4 that highest mean percent (33.21) for it presents what is suitable for my learning style was observed in Agree followed by Neutral (30.35) and Strongly Agree (18.17) whereas, as minimum mean percentage (7.95) was recorded for Disagree. Maximum mean percentage (83.33) for strongly Agree was found in district Samba, followed by Doda (62.50) and Pulwama (47.06) and rest showed significant difference with each other. Minimum (0.00) was observed for Anantnag, Baramulla, Budgam, Ganderbal, Kathua, Kishtwar, Poonch, Ramban, Reasi and Shopian. Maximum mean percentage (66.67) for Agree was found in district Poonch, followed by Rajouri (57.14) and Pulwama (47.06) and rest showed significant difference with each other. Minimum (0.00) was observed for Budgam and Ganderbal. Highest mean percent (57.14) for Neutral was recorded for district Reasi which was statically at par Shopian (56.25), Kishtwar (55.56) and Kulgam (54.55) however, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Budgam, Doda, Rajouri and Samba. Maximum mean percentage (40.00) Disagree was found in district Kathua, followed by Ganderbal (38.46) and Baramulla (37.50), rest showed significant difference with each other. Minimum (0.00) was observed for Anantnag, Bandipora, Doda, Jammu, Kulgam, Poonch, Pulwama, Rajouri, Ramban, Reasi, Samba, Shopian, Srinagar and Udhampur. Greatest mean percentage (85.71)

Strongly Disagree was found in district Budgam, followed by Ramban (40.00) and Anantnag (33.33), rest showed significant difference with each other. Lowest (0.00) was observed for Bandipora, Doda, Jammu, Kathua, Kulgam, Poonch, Pulwama, Rajouri, Samba, Shopian, Srinagar and Udhampur.

It is evident from the data appended in Table 5 that highest mean percent (36.04) for immediate feedback was observed in Agree followed by Strongly Agree (25.65) and Neutral (25.41) whereas, as minimum mean percentage (0.00) was recorded for Strongly Disagree. Maximum mean percentage (83.33) for strongly Agree was found in district Samba, followed by Rajouri (50.00) and Budgam (42.86) however, rest of districts showed significant difference with each other. Minimum (0.00) was observed for Anantnag, Kathua, Kishtwar, Kulgam, Poonch and Udhampur. Maximum mean percentage (88.89) for Agree was found in district Kishtwar, followed by Kathua (60.00) and Ramban (60.00) and rest of districts showed significant difference with each other. Minimum (0.00) was observed for Shopian. Highest mean percent (53.85) for Neutral was recorded for district Udhampur, followed by Bandipora (50.00) and Poonch (50.00). However, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Budgam, Kathua, Ramban and Samba. Maximum mean percentage (40.00) for Disagree was found in district Kathua, followed by Anantnag (33.33) and Poonch (33.33) and rest of districts showed significant difference with each other. Minimum (0.00) was observed for Bandipora, Baramulla, Budgam, Ganderbal, Kishtwar, Kupwara, Rajouri, Ramban, Reasi and Samba. Strongly Disagree have the Minimum (0.00) value for all the districts.

It is evident from the data appended in Table 6 that highest mean percent (44.00) for self-evaluate was observed in Agree followed by Strongly Agree (26.29) and Neutral (23.49) whereas, as minimum mean percentage (1.66) was recorded for Strongly Disagree. Maximum mean percentage (85.29) for strongly Agree was found in district Kupwara, followed by Jammu (73.33) and Doda (62.50) however rest of districts showed significant difference with each other. Minimum (0.00) was observed for Anantnag, Bandipora, Ganderbal, Kathua, Kishtwar, Kulgam, Reasi, Samba and Shopian. Maximum mean percentage (100.00) for Agree was found in district Kathua and Samba, followed by Kulgam (81.82) and Kulgam (64.71) however rest of districts showed significant difference with each other. Minimum (0.00) was observed for Budgam, Kishtwar, Ramban and Anantnag. Highest mean percent (100.00) for Neutral was recorded for district Kishtwar followed by Ganderbal (61.54) and Shopian (43.75) however, rest of the districts showed significant difference with each other.

Minimum (0.00) was observed for Doda, Jammu, Kathua, Poonch, Samba, Srinagar and Udhampur. Greatest mean percent (42.86) for Disagree was recorded for district Budgam followed by Anantnag (33.33), Reasi (28.57), Kupwara (23.53) and Baramulla (12.50). Lowest (0.00) was observed in rest of all districts. Maximum mean percent (33.33) for Strongly Disagree was recorded for district Anantnag. Minimum (0.00) was observed for rest of all districts.

It is evident from the data appended in Table 7 that highest mean percent (45.03) for suitable technical support was observed in Agree followed by Strongly Agree (34.81) and Neutral (14.17) whereas, as minimum mean percentage (1.99) was recorded for Strongly Disagree. Maximum mean percentage (100.00) for strongly Agree was found in district Budgam, followed by Kathua(80.00) and Udhampur(61.54) however rest of districts showed significant difference with each other. Minimum (0.00) was observed for Anantnag, Kishtwar, Reasi, and Samba. Maximum mean percentage (100.00) for Agree was found in district Samba, followed by Bandipora (83.33) and Rajouri (71.43) however rest of districts showed significant difference with each other. Minimum (0.00) was observed for Budgam and Ramban. Greatest mean percent (60.00) for Neutral was recorded for district Ramban followed by Kishtwar (55.56) and Ganderbal (30.77) however, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Bandipora, Budgam, Kathua, Kulgam, Rajouri, Reasi, Samba, Shopian and Udhampur. Highest mean percent (42.86) for Disagree was recorded for district Reasi followed by Ganderbal (30.77), Anantnag (22.22), Kupwara (17.65) and Baramulla (6.25). Minimum (0.00) was observed for rest of all districts. Maximum mean percent (22.22) for Strongly Disagree was recorded for district Kishtwar followed by Kupwara (17.65). Minimum (0.00) was observed for rest of all districts.

It is evident from the data appended in Table 8 that highest mean percent (43.18) for eases the process of learning was observed in Agree followed by Strongly Agree (36.42) and Neutral (18.09) whereas, as minimum mean percentage (0.55) was recorded for Disagree. Maximum mean percentage (75.00) for strongly Agree was found in district Doda, followed by Ramban (60.00) and Budgam (57.14) however rest of districts showed significant difference with each other. Minimum (0.00) was observed for Kulgam and Samba. Maximum mean percentage (100.00) for Agree was found in district Kulgam, followed by Poonch (83.33) and Rajouri (71.43) however rest of districts showed significant difference with each other. Minimum (0.00) was observed for Kishtwar and Udhampur. Greatest mean percent (66.67) for Neutral was recorded for

district Samba followed by Kathua (60.00) and Udhampur (53.85) however, rest of the districts showed significant difference with each other. Lowest (0.00) was observed for Budgam, Doda, Jammu, Kulgam, Poonch, Ramban, Shopian and Srinagar. Highest mean percent (11.11) for Disagree was recorded for district Kishtwar. Minimum (0.00) was observed for rest of all districts. Maximum mean percent (22.22) for Strongly Disagree was recorded for district Kishtwar followed by Baramulla (12.50). Minimum (0.00) was observed for rest of all districts.

It is evident from the data appended in Table 9 that highest mean percent (49.51) for encourage me to learn more was observed in Agree followed by Strongly Agree (36.51) and Neutral (11.74) whereas, as minimum mean percentage (0.00) was recorded for Strongly Disagree. Maximum mean percentage (69.23) for strongly Agree was found in district Udhampur, which was statistically at par Samba (66.67), rest of districts showed significant difference with each other. Minimum (0.00) was observed for Anantnag and Doda. Greatest mean percentage (75.00) for Agree was found in district Doda which was statistically at par by Reasi (71.43) and rest of districts showed significant difference with each other. Lowest (0.00) was observed for district Kishtwar (11.11). Highest mean percent (60.00) for Neutral was recorded for district Kathua followed by Bandipora (33.33) and Kishtwar (33.33) however, rest of the districts showed significant difference with each other. Minimum (0.00) was observed for Budgam, Ganderbal, Jammu, Kupwara, Poonch, Pulwama, Rajouri, Ramban, Reasi, Samba, Shopian and Udhampur. Maximum mean percent (22.22) for Disagree was recorded for district Anantnag and Kishtwar. Minimum (0.00) was observed for rest of all districts. Minimum (0.00) for Strongly Disagree was observed in all of the districts.

IV. Conclusion

The teaching learning phase has been changed now a day. The students prefer global learning system rather than the physical, rigid learning process which was used till the time. Chalk sticks, board, duster, books and all those physical things have been replaced by e-Learning process where fundamental focus is on internet. The research work conducted showed that the students are interested in using this new system of e-learning. It also, showed that students who are using e-learning are very much familiar with this type of learning. Most of the students answered that they can learn according to their pace and can learn anytime and anywhere, also they are supporting the immediate feedback of online learning and shows they are getting suitable technical support as well as e-learning encourages them to learn more by making the process of learning easy and this type of learning is completely personalized. So its concluded

that using e-Learning tools can tremendously improve learning process and earn learn in very easy hassles free environment. Another major benefit of the e-Learning is that you can make learning always ON. E-Learning is not restricted to any place and environment; you just need to connect with group or community, after you will receive all updates. So it's a time now to move towards e-learning.

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Table 1: Difference in personalized e-learning recorded in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	33.33	11.11	22.22	0.00	33.33
Bandipora	0.00	83.33	16.67	0.00	0.00
Baramulla	12.50	62.50	12.50	0.00	12.50
Budgam	100.00	0.00	0.00	0.00	0.00
Doda	12.50	25.00	62.50	0.00	0.00
Ganderbal	30.77	38.46	30.77	0.00	0.00
Jammu	33.33	40.00	26.67	0.00	0.00
Kathua	20.00	80.00	0.00	0.00	0.00
Kishtwar	11.11	44.44	44.44	0.00	0.00
Kulgam	0.00	54.55	27.27	18.18	0.00
Kupwara	17.65	23.53	29.41	17.65	11.76
Poonch	33.33	50.00	16.67	0.00	0.00
Pulwama	0.00	76.47	23.53	0.00	0.00
Rajouri	21.43	50.00	14.29	7.14	7.14
Ramban	0.00	0.00	80.00	0.00	20.00
Reasi	42.86	57.14	0.00	0.00	0.00
Samba	33.33	66.67	0.00	0.00	0.00
Shopian	0.00	62.50	0.00	37.50	0.00
Srinagar	23.53	70.59	5.88	0.00	0.00
Udhampur	15.38	84.62	0.00	0.00	0.00
Mean	22.05	49.04	20.64	4.02	4.23
F test	S	S	S	S	S
S.E. \pm	2.62	7.19	5.52	0.62	0.65
C.D. 5%	5.25	14.39	11.04	1.24	1.30

Table 2: Through e-learning I can gain knowledge at anytime, anywhere recorded in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	66.67	33.33	0.00	0.00	0.00
Bandipora	41.67	33.33	25.00	0.00	0.00
Baramulla	43.75	37.50	18.75	0.00	0.00
Budgam	100.00	0.00	0.00	0.00	0.00
Doda	62.50	37.50	0.00	0.00	0.00
Ganderbal	53.85	0.00	46.15	0.00	0.00
Jammu	33.33	46.67	20.00	0.00	0.00
Kathua	40.00	60.00	0.00	0.00	0.00
Kishtwar	33.33	22.22	44.44	0.00	0.00
Kulgam	0.00	45.45	55.55	0.00	0.00
Kupwara	52.94	41.18	5.88	0.00	0.00
Poonch	50.00	16.67	33.33	0.00	0.00
Pulwama	41.18	52.94	5.88	0.00	0.00
Rajouri	42.86	57.14	0.00	0.00	0.00
Ramban	100.00	0.00	0.00	0.00	0.00
Reasi	0.00	42.86	28.57	28.57	0.00
Samba	100.00	0.00	0.00	0.00	0.00
Shopian	0.00	62.50	37.50	0.00	0.00
Srinagar	35.29	47.06	17.65	0.00	0.00

Udhampur	46.15	53.85	0.00	0.00	0.00
Mean	47.17	34.51	16.93	1.42	0.00
F test	S	S	S	S	S
S.E. \pm	2.99	3.92	5.52	0.23	0.00
C.D. 5%	5.98	7.85	5.16	0.47	0.00

Table 3: E-learning can be trained based on my pace observed in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	22.22	22.22	33.33	0.00	22.22
Bandipora	33.33	41.67	25.00	0.00	0.00
Baramulla	43.75	37.50	6.25	0.00	12.50
Budgam	42.86	57.14	0.00	0.00	0.00
Doda	50.00	37.50	12.50	0.00	0.00
Ganderbal	46.15	0.00	53.85	0.00	0.00
Jammu	40.00	33.33	26.67	0.00	0.00
Kathua	0.00	80.00	20.00	0.00	0.00
Kishtwar	33.33	11.11	55.56	0.00	0.00
Kulgam	45.45	9.09	45.45	0.00	0.00
Kupwara	64.71	35.29	0.00	0.00	0.00
Poonch	33.33	66.67	0.00	0.00	0.00
Pulwama	47.06	47.06	5.88	0.00	0.00
Rajouri	42.86	42.86	14.29	0.00	0.00
Ramban	60.00	40.00	0.00	0.00	0.00
Reasi	42.86	0.00	57.14	0.00	0.00
Samba	100.00	0.00	0.00	0.00	0.00
Shopian	50.00	50.00	0.00	0.00	0.00
Srinagar	64.71	17.65	17.65	0.00	0.00
Udhampur	46.15	0.00	53.85	0.00	0.00
Mean	45.43	31.49	21.37	0.00	1.73
F test	S	S	S	S	S
S.E. \pm	3.29	3.00	2.69	0.00	0.24
C.D. 5%	6.59	6.01	5.38	0.00	0.49

Table 4: E-learning presents what is appropriate for my knowledge recorded in different districts of Jammu and Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	0.00	22.22	44.44	0.00	33.33
Bandipora	16.67	33.33	50.00	0.00	0.00
Baramulla	0.00	37.50	18.75	37.50	6.25
Budgam	0.00	0.00	0.00	14.29	85.71
Doda	62.50	37.50	0.00	0.00	0.00
Ganderbal	0.00	0.00	46.15	38.46	15.38
Jammu	33.33	46.67	20.00	0.00	0.00

Kathua	0.00	20.00	40.00	40.00	0.00
Kishtwar	0.00	22.22	55.56	11.11	11.11
Kulgam	0.00	45.45	54.55	0.00	0.00
Kupwara	17.65	35.29	29.41	17.65	0.00
Poonch	0.00	66.67	33.33	0.00	0.00
Pulwama	47.06	47.06	5.88	0.00	0.00
Rajouri	42.86	57.14	0.00	0.00	0.00
Ramban	0.00	40.00	20.00	0.00	40.00
Reasi	0.00	28.57	57.14	0.00	14.29
Samba	83.33	16.67	0.00	0.00	0.00
Shopian	0.00	43.75	56.25	0.00	0.00
Srinagar	29.41	41.18	29.41	0.00	0.00
Udhampur	30.77	23.08	46.15	0.00	0.00
Mean	18.17	33.21	30.35	7.95	10.30
F test	S	S	S	S	S
S.E. \pm	1.41	1.82	3.77	0.73	1.09
C.D. 5%	2.83	3.65	7.55	1.47	2.19

Table 5: Immediate feedback of E-Learning recorded in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	0.00	33.33	33.33	33.33	0.00
Bandipora	8.33	41.67	50.00	0.00	0.00
Baramulla	25.00	56.25	18.75	0.00	0.00
Budgam	42.86	57.14	0.00	0.00	0.00
Doda	37.50	25.00	12.50	25.00	0.00
Ganderbal	30.77	30.77	38.46	0.00	0.00
Jammu	26.67	33.33	26.67	13.33	0.00
Kathua	0.00	60.00	0.00	40.00	0.00
Kishtwar	0.00	88.89	11.11	0.00	0.00
Kulgam	0.00	45.45	27.27	27.27	0.00
Kupwara	41.18	41.18	17.65	0.00	0.00
Poonch	0.00	16.67	50.00	33.33	0.00
Pulwama	17.65	41.18	35.29	5.88	0.00
Rajouri	50.00	14.29	35.71	0.00	0.00
Ramban	40.00	60.00	0.00	0.00	0.00
Reasi	42.86	14.29	42.86	0.00	0.00
Samba	83.33	16.67	0.00	0.00	0.00
Shopian	37.50	0.00	31.25	31.25	0.00
Srinagar	29.41	29.41	23.53	17.65	0.00
Udhampur	0.00	15.38	53.85	30.77	0.00
Mean	25.65	36.04	25.41	12.89	0.00

F test	S	S	S	S	S
S.E. \pm	1.10	1.41	1.16	1.14	0.00
C.D. 5%	2.21	2.82	2.33	2.29	0.00

Table 6: Self- assessment of E-learning observed in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	0.00	0.00	33.33	33.33	33.33
Bandipora	0.00	58.33	41.67	0.00	0.00
Baramulla	12.50	56.25	18.75	12.50	0.00
Budgam	28.57	0.00	28.57	42.86	0.00
Doda	62.50	37.50	0.00	0.00	0.00
Ganderbal	0.00	38.46	61.54	0.00	0.00
Jammu	73.33	26.67	0.00	0.00	0.00
Kathua	0.00	100.00	0.00	0.00	0.00
Kishtwar	0.00	0.00	100.00	0.00	0.00
Kulgam	0.00	81.82	18.18	0.00	0.00
Kupwara	85.29	17.65	23.53	23.53	0.00
Poonch	50.00	50.00	0.00	0.00	0.00
Pulwama	17.65	64.71	17.65	0.00	0.00
Rajouri	42.86	42.86	14.29	0.00	0.00
Ramban	60.00	0.00	40.00	0.00	0.00
Reasi	0.00	42.86	28.57	28.57	0.00
Samba	0.00	100.00	0.00	0.00	0.00
Shopian	0.00	56.25	43.75	0.00	0.00
Srinagar	47.06	52.94	0.00	0.00	0.00
Udhampur	46.15	53.85	0.00	0.00	0.00
Mean	26.29	44.00	23.49	7.03	1.66
F test	S	S	S	S	S
S.E. \pm	1.84	1.82	1.41	0.61	0.22
C.D. 5%	3.68	3.65	2.82	1.22	0.44

Table 7: E-learning presents practical support to students recorded in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	0.00	66.67	11.11	22.22	0.00
Bandipora	16.67	83.33	0.00	0.00	0.00
Baramulla	37.50	50.00	6.25	6.25	0.00
Budgam	100.00	0.00	0.00	0.00	0.00
Doda	25.00	50.00	25.00	0.00	0.00
Ganderbal	30.77	7.69	30.77	30.77	0.00

Jammu	53.33	33.33	13.33	0.00	0.00
Kathua	80.00	20.00	0.00	0.00	0.00
Kishtwar	0.00	22.22	55.56	0.00	22.22
Kulgam	45.45	54.55	0.00	0.00	0.00
Kupwara	23.53	17.65	23.53	17.65	17.65
Poonch	33.33	50.00	16.67	0.00	0.00
Pulwama	35.29	47.06	17.65	0.00	0.00
Rajouri	28.57	71.43	0.00	0.00	0.00
Ramban	40.00	0.00	60.00	0.00	0.00
Reasi	0.00	57.14	0.00	42.86	0.00
Samba	0.00	100.00	0.00	0.00	0.00
Shopian	50.00	50.00	0.00	0.00	0.00
Srinagar	35.29	41.18	23.53	0.00	0.00
Udhampur	61.54	38.46	0.00	0.00	0.00
Mean	34.81	43.03	14.17	5.98	1.99
F test	S	S	S	S	S
S.E. \pm	2.29	2.11	1.20	0.36	0.27
C.D. 5%	4.59	4.23	2.41	0.73	0.54

Table 8: E-learning eases the process of learning recorded in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	44.44	33.33	22.22	0.00	0.00
Bandipora	25.00	50.00	25.00	0.00	0.00
Baramulla	25.00	56.25	6.25	0.00	12.50
Budgam	57.14	42.86	0.00	0.00	0.00
Doda	75.00	25.00	0.00	0.00	0.00
Ganderbal	38.46	23.08	38.46	0.00	0.00
Jammu	53.33	46.67	0.00	0.00	0.00
Kathua	20.00	20.00	60.00	0.00	0.00
Kishtwar	22.22	0.00	44.44	11.11	22.22
Kulgam	0.00	100.00	0.00	0.00	0.00
Kupwara	47.06	35.29	17.65	0.00	0.00
Poonch	16.67	83.33	0.00	0.00	0.00
Pulwama	41.18	52.94	5.88	0.00	0.00
Rajouri	21.43	71.43	7.14	0.00	0.00
Ramban	60.00	40.00	0.00	0.00	0.00
Reasi	57.14	28.57	14.29	0.00	0.00
Samba	0.00	33.33	66.67	0.00	0.00
Shopian	31.25	68.75	0.00	0.00	0.00
Srinagar	47.06	52.94	0.00	0.00	0.00
Udhampur	46.15	0.00	53.85	0.00	0.00

Mean	36.42	43.18	18.09	0.55	1.73
F test	S	S	S	S	S
S.E. \pm	2.33	3.14	1.17	0.18	0.31
C.D. 5%	4.66	6.28	2.35	0.36	0.62

Table 9: E-learning encourages me to become more skilled recorded in different districts of Jammu & Kashmir.

District	Percent (%)				
	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Anantnag	0.00	55.56	22.22	22.22	0
Bandipora	25.00	41.67	33.33	0.00	0.00
Baramulla	31.25	56.25	12.50	0.00	0.00
Budgam	42.86	57.14	0.00	0.00	0.00
Doda	0.00	75.00	25.00	0.00	0.00
Ganderbal	38.46	61.54	0.00	0.00	0.00
Jammu	33.33	66.67	0.00	0.00	0.00
Kathua	20.00	20.00	60.00	0.00	0.00
Kishtwar	33.33	11.11	33.33	22.22	0.00
Kulgam	30.77	38.46	30.77	0.00	0.00
Kupwara	41.18	58.82	0.00	0.00	0.00
Poonch	50.00	50.00	0.00	0.00	0.00
Pulwama	35.29	64.71	0.00	0.00	0.00
Rajouri	57.14	42.86	0.00	0.00	0.00
Ramban	60.00	40.00	0.00	0.00	0.00
Reasi	28.57	71.43	0.00	0.00	0.00
Samba	66.67	33.33	0.00	0.00	0.00
Shopian	43.75	56.25	0.00	0.00	0.00
Srinagar	23.53	58.82	17.65	0.00	0.00
Udhampur	69.23	30.77	0.00	0.00	0.00
Mean	36.51	49.51	11.74	2.22	0.00
F test	S	S	S	S	S
S.E. \pm	2.14	2.10	1.40	0.03	0.00
C.D. 5%	4.29	4.21	2.81	0.07	0.00