



## **Contemporaneity of Language and Literature in the Robotized Millennium**

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### **Digital Technology In Teaching And Learning With SPSS Analysis**

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#### **Abstract**

Digital school rooms are described by way of the usage of electronic devices or platforms which includes social media, multimedia and cellular telephones to educate college students. With virtual technology in education, cutting-edge academic panorama has changed for the higher or for the betterment. Technology in schooling facilitates youngsters modify their gaining knowledge of pace. Students who want extra time can spend greater time on sports till they apprehend, even as college students who need much less aid can progress. This frees up the instructor to help youngsters who want greater help on an individual level. Teachers can use era to create a greater lively gaining knowledge of and impressive environment. Examples are online polls or questionnaires. Technology creates a dynamic lecture room environment in which textbooks are digitized with embedded hyperlinks and QR codes check direction material. Examples of instructional records generation include using cloud-primarily based gaining knowledge of software, programs, blogs or discussion forums, digital whiteboards, and other interactive online tools for college kids and teachers. Among Benefits of using educational technology is an event for improvement mental and physical health of learners. By using these tools, students can improve their learning and their cognitive skills, which helps improve their academic performance and their physical health.

**Keywords:**Digital Technology, SPSS,Teaching And Learning.

#### **1. Introduction**

One of The most superb outcomes of era on students is that it widely supports and enhances the studying method of students. Every element of all subjects is to be had on line at numerous web sites in which students can pass in the event that they get caught. Why is virtual studying crucial? Digital equipment and systems are becoming extra imperative to our private and work lives. Digital mastering will increase get admission to to schooling and knowledge, even as growing mind-sets and skills that set students up for success of their gift and destiny. Social connectivity, pace of communication, multitasking, gaining knowledge of possibilities, automation, data storage, editing, instructors can use extraordinary apps or reliable on line Improve traditional teaching methods for student's Additional engagement resources. Virtual course Programs, benchmarking software program and on-line Exams are a total time saver for instructors will help. This precious time will suffer Can be used to work with students. Our findings suggest that students excel without relying on digital technologies. Although VL can improve students' HE goals with additional input, students using SM are less effective. This encourages further work on more diligent use of VL and SM under the HE setting. Coursera is a global online learning platform that provides anyone, anywhere access to online courses and degrees from world-class universities and institutions. Are Coursera Certificates Worth It? Overall, yes. Whether you're looking for a promotion, a career change, or the skills you're learning are highly sought after, a Coursera certification has value and is definitely worth the investment. Coursera partners and course providers are world-class. A digital camera is a digital that creates virtual pics that can be saved on a computer, displayed on a display, and revealed. The velocity at which virtual cameras capture, process and transmit a photograph is incredible. A virtual digital However, it may also be used as an output tool. Digital cameras deliver a whole new degree of entertainment to pictures and feature many blessings, many of which aren't possible with a regular movie digital. Digital cameras are more convenient than movie cameras, and due to the fact that there is no need to purchase and increase film, working costs are decrease. The term handheld computer refers to very small terminals designed for data collection. In recent years, they are commonly used for part and product management using objects such as barcodes and 2D codes. Today's can be divided into people who take delivery of handwriting as enter and people which have small keyboards, touchpads, etc. A mobile tool (or hand-held computer) is a pc small enough to preserve. Works in hand. Mobile gadgets commonly have a flat LCD or OLED display screen, a touchscreen interface, and digital or physical buttons. They may have a bodily keyboard. Go to Settings or Options menu, scroll down the list and take a look at 'About phone', 'About tool' or similar. The tool name and model variety need to be indexed. A cellular tool with touch input and/or QWERTY keyboard A small handheld device with a display screen and Can provide telephone capabilities to customers. Mobile gadgets are interchangeable are used (phones, tablets) record. Source(s): NIST SP 800-one zero one Rev. Underneath Mobile Devices. Anything anyone wants to know; Google is the place to go. Not only that, Google now acts as the hub for Google Docs, Google Calendar, Google Drive and many other web services. E-trade website, commercial enterprise website, blog website, portfolio website, event website, private internet site, club internet site, non-earnings internet site Video conferencing is a shape of digital, online assembly wherein two or extra people speak thru a video and audio call in real time. Video conferencing has been round for years, but it won reputation in the course of the 2020

pandemic as school and paintings moved home. Online discussion organizations are located on websites and permit users to interact in a communication with one or greater humans by typing messages. Based on path and tone, I actually have grouped conversations into 4 classes: debate, communicate, discourse, and diatribe. Debate is a aggressive, two-way conversation. The goal is to win a controversy or to persuade a person, inclusive of the alternative player or a third-party audience.

## 2. Digital technology in teaching and learning

Digital gear there are numerous digital tools to be had inside the marketplace. For the functions of this have a look at, digital gear has been divided into three product groups: conventional digital tools (e.G., websites, electronic mail, Microsoft Office, PDFs, immediate messaging), social and interactive digital equipment (e.G., Facebook, Wikis, blogs, Podcasting, simulations, advertising, and scholarship in schooling have addressed academic generation from two perspectives. A broader perspective seems at the overall integration trends associated with generation within the school room. Learning much less because of technology, then educators fail to apply electronic infrastructure, accordingly teaching and studying [1]. Digital technology in secondary mathematics teaching and are an increasing number of infiltrating studying environments. Digital technologies can decorate teaching and gaining knowledge of. Also, the usage of the human-intelligence metaphor this study h-media (probably) people and era. Both make a contribution to the construction of expertise by way of teachers—and college students—with digital technologies. In secondary faculty mathematics lecture rooms, digital technologies are primarily handheld gadgets [2]. In addressing this new cognizance, it's miles recognized that there are many elements, with some boundaries, affecting whether or not and how a trainer can use virtual technology of their study room. This includes their ideals and attitudes towards technology, in addition to their notion of the nature of mathematical knowledge and how it should be found out. For a few teachers, advantageous use of digital era requires a good sized thoughts-set shift [3]. Digital generation in their teaching and trainer-initiated student studying sports. Furthermore, we analysed elements associated with generation use. 410 instructors in our sample, consultant of the country of Bavaria (Germany), reported spending huge time the usage of digital technologies in an average challenge. The effects imply that instructors' primary virtual abilities and era-related teaching abilities are greater vital than digital era sources. Although a sure level of digital era is important in college, our effects advocate that the focus ought to shift from equipping schools with the competencies of teachers to use technologies efficiently [4]. Digital generation that supports the mathematics coaching and studying process outside the lecture room, this study used an exploratory studies approach. A portal and cellular app were designed, with related teaching and gaining knowledge of activities, several math pathway obligations were designed, after which a sequence of pilots had been set up. As a pilot study, this look at involved 520 8th grade students and nine teachers from nine exceptional junior high schools in Semarang, Indonesia [5]. Digital technology offers sizable new opportunities to the teacher. This chapter considers key components of constructivist thinking about studying, and gives a few illustrative examples of conditions in which virtual technologies help School teachers are theirs constructive to inform the classroom paintings [6]. Technology, in its broadest feel, involves understanding, introduction, and using equipment and strategies to govern and adjust our environment. This definition includes each antilog technology along in assessment to analogy technologies that are properly integrated into all levels of our schooling device, the instructional capacity of those new virtual technology is starting to be realized [7]. While virtual tools can also support the usage of arithmetic to clear up troubles in real-global contexts, there are no broader hassle-fixing efforts on how this talent may be used, other essential factors of coaching and mastering mathematics, including scholar attitudes to arithmetic to solve problems in real-international contexts or mathematics to convey a crucial view of real-global activities and phenomena Using [8]. Digital technologies are effective gear to help getting to know. Key contributing factors consist of their technical traits, i.E. Their capability to document, control, represent and talk information and information. However, the essential contribution of digital technology to the gaining knowledge of system comes, circuitously, themselves assume sure obligations that may result in getting to know [9]. Effective Teaching in Sociology and Effective Teaching in Sociology and Ways of digital technologies affect student learning, especially in sociology, and the meaning, behaviour, and This paper reflects our efforts to synthesize knowledge and identify the necessary knowledge [10]. about Shaping Outcomes Structural and cultural contexts digital technologies for the statistical analysis, we used SPSS software version 16.

## 3. Course website

Quality elements of path internet site First this have a look at conducts an overview of the literature on route internet site excellent to broaden sixteen subscales, which can be used to degree course internet site quality. Second, a fuzzy AHP method is followed to decide the relative weights linking the above standards between high and coffee on line studying enjoy corporations. The consequences revel in companies concerning their evaluation of the exceptional of the course website. The evaluation model and results can offer treasured reference for gadget designers who need to improve path website overall performance [11]. Course websites I used it to create a tremendously simple website to supplement and beautify the school room measurement of the route. Students can also get admission to the internet site to perform the following responsibilities: (1) study course announcements; (2) studying the curriculum syllabus; (three) download my multimedia shows; (four) view coursework; (five) connect to the textbook companion internet site and take on line practice quizzes; (6) test grades for exams, attendance, and extra credits; (7) send me electronic mail; and (8) a hyperlink to my home web page. During the second one elegance of the semester, I gave a step-via-step demonstration of how college students need to sign up and log in to the internet site [12]. Course Web Acceptance Model (CWAM) and the consequences show an awesome in shape to the information. Course website as a powerful and green learning era. The causal relationships between the constructs considered by CWAM have been properly supported, accounting for 83% of the overall variance in course internet site popularity and use of course websites inside the university context. In this paper, an exploratory have a look at is offered to evaluate the impact of internet site usefulness and ease of use on pupil recognition and use of this era. The cause of this paintings is to become

aware of the important elements of direction website usefulness and simplicity of use that impact pupil attractiveness and use of direction websites. The findings of this examine will help teachers understand the crucial elements that lead to the effective and green adoption of route websites. Based on the discussion provided on this section, the following phase checks and validates the path internet site popularity studies model [13].

#### 4. Digital camera

Digital cameras are imageless; They feel mild and shade thru an electronic tool (including a price coupled device (CCD)) and convey as output a laptop document describing a photo organized in a meaningful, pre-described layout the use of 1s and 0s. Often this virtual picture report is saved in the digital camera itself for transfer to a bigger computer [14]. Digital camera. Our technique recovers the position of an opaque item and the scene at the back of the item (however no longer completely obscured), when each the object and the scene are out of doors the camera's line of sight, without the need for controlled or time-various illumination. Such a retrieval is based on the visible penumbra of an opaque item, that is linearly dependent on the hidden scene that can be modelled by optical optics. Visual imaging using cheaper, ubiquitous device can be of sizable price in monitoring dangerous environments, navigating, and detecting hidden enemies [15]. Digital photo forensics, i.e. Supply figuring out the authentic virtual digital and detecting counterfeits. Existing source identity techniques have a look at exclusive processing ranges in a digital camera to obtain clues to differentiate supply cameras, while forgery detection tests for inconsistencies in photo excellent or positive characteristics as evidence of tampering [16].

#### 5. Handheld computer

Handheld computers are a compact, tremendously inexpensive, incorporated platform for point-of-care clinical reference, patient and facts management, and a conversation device used to enhance their scientific practice. Also, advances in Wi-Fi technology provide physicians with access to Web-primarily based resources, consisting of evidence-primarily based references and Web-primarily based clinical databases, and computer systems in fitness care, and plenty of IT leaders and directors agree that hand-held computer systems will play a good sized function within the future. Health Care [17]. The Portability, social interaction Context sensitivity, connectivity Context sensitivity, connectivity of hand-held computer systems opens up Participatory and Augmented Reality New opportunities for creating simulations, it is a simulation of gamers They play roles in the organization, social It can capture its homes through contacts. Realistic simulations, simulations wherein virtual information are linked to real-international places and environments, are used in fields inclusive of environmental technology [18]. Desktop guidelines have been used, however had been now not totally fine, as there was a few indications that older adults may want to examine smaller textual content sizes on hand-held computer systems than recommended by means of the hints. Therefore, we felt it was crucial to research this similarly and make clear whether handheld computer systems have distinctive requirements additionally have a look at whether or not scrolling is essential while analysing text and which font size to pick out. We do not consider converting the font kind in this situation to make testing simpler; This will be investigated in a future look at [19]. In one examine, studies topics finished a menstrual record out of doors of a scientific putting the use of each paper forms and a handheld pc. Researchers found that records entry and clean-up time become reduced by using 81% with records from hand-held computers compared to records accumulated through paper paperwork. The hand held laptop missed much less records, treated skip patterns higher, and became desired by means of contributors Paperwork (Johannes et al. 2000). Green (2001) Portable Computing Systems Small enough and ethnic Can be used for research It is also quite strong. in lots of far off and urban settings [20].

#### 6. Mobile phone

Mobile smartphone usage and features Modern telephones have diverse capabilities that had been now not viable years ago: Mobile telephones are not simplest for voice conversation (Ishii, 2006). College students can access the Internet, ship or obtain text messages, take a look at e mail, and video chat with others. Additionally, college students can get right of entry to diverse social networking sites (SNS) from their cell phones. Scholars Body and Ellison (2008) give an explanation for that SNS are on line offerings that permit people to create a profile, create a list of other customers who proportion a reference to the person, and consider a list of connections made by means of others inside the system [21]. Mobile phones are ubiquitous. In most of the advanced international, coverage reaches the populace, and even in far off villages of developing countries, it isn't always unusual to talk to someone on the road on a mobile cell phone. Because of their ubiquity, cell telephones have fuelled the creativity of scientists, using them as thousands and thousands of capability sensors in their environment. Mobile Phones Mobile Phone Datasets, Fourth Edition held in April Closely associated with this convention, an aspect topic has now risen, specifically the evaluation of cell telephone datasets for improvement purposes. For this motive, the telecommunications corporation Orange has proposed a project known as DD, the concept of which is to present get entry to a single dataset from an African u of a to a huge quantity of studies groups round the arena. Their goal is to provide suggestions for improvement based on observations extracted from cellular cell phone datasets [22]. Mobile telephone use is prohibited or unlawful in sure occasions and insure jurisdictions. However, a few humans use their cell phones regardless of diagnosed safety worries, rules and informal restrictions. Drawing capability predictors from the dependency literature, this observe sought to expect use and, especially, complex mobile telephone use from extraversion, vanity, neuroticism, gender, and age. To degree problem use, the Mobile Phone Problem Use Scale was designed and validated as a reliable self-record tool against the Addiction Potential Scale and normal mobile telephone use levels [23]. To date, cellular smartphone malware has been basically negative and "evidence of idea". However, Trojans along with Vive, which ship SMS messages to top rate fee numbers, signal a shift in malware motivations. Many count on that cellular telephone malware will begin to observe the tendencies of PC-based totally malware, as customers turn out to be more comfortable downloading and running cell smartphone software program [24].

## 7. Internet websites

Internet websites that promote those products. Because customers may not flip to their physicians or pharmacists for statistics regarding the usage of nutritional supplements for weight loss, it's miles imperative that fitness care providers actively interact their patients in an open dialogue about nutritional complement use, benefits, and dangers [25]. Internet utilization in India. For instance, Singh (2001) located that within the United States and Australia, men and women use the Internet exceptionally similarly, but in India, Japan, and China, men use the Internet extra than girls. Although Singh's (2001) look at become performed 10 years ago, this gender divide in Internet use nevertheless exists [26].

## 8. Video conferencing

The prototype machine supports multipart "surgical meetings" with outstanding audio and video channels. In addition to faraway control of the video source and motorized cameras, participants can dynamically manipulate the video channel to prioritize picture fine over frame rate if essential because of bandwidth constraints. To enhance the cooperative factor, each player's cursor is seen inside the video picture [27].

## 9. Online discussion groups

Online dialogue to discover the technique of social creation of information (Gunawardena, Karapajal, & Lowe, 2001; Gunawardena, Lowe, & Anderson, 1997) or vital questioning (Pullen, 1997; Newman, Webb, & Cochrane, 1995). In widespread, the purpose of content analysis is to discover statistics that isn't always at the floor of the transcripts. A deeper knowledge of on-line discussions is wanted to offer concrete proof of mastering and expertise construction [28]. An on-line discussion group mounted for a pc-assisted language getting to know (CALL) path and examined the patterns of interplay generated through online dialogue and members' attitudes towards computer-mediated verbal exchange (CMC) hobby. Her students contributed to the net discussion board by posting solutions and responses to route questions/assignments given in them observe e book and collaborating in on-line conversations with their fellow students. They basically contributed inside the shape of fully and in part mission-targeted messages, even as the messages consisted specially of task-orientated responses and interactive contributions. They confirmed a nice attitude in the direction of on line discussions [29]. In the web gaining knowledge of surroundings, the emotional dimension becomes even extra applicable. Nicol et al. Examined the social size of online gaining knowledge of. They conclude that effective facilitators need 'an evolved understanding of the effect of these technologies at the social context of on-line learning'. They say on-line facilitators are more challenged than face-to-face facilitators to empathize with students. Get lost in the media. Also, in on line environments, geography [30].

**TABLE 1.** Descriptive Statistics

	N	Range	Minimum	Maximum	Mean	Std. Deviation
Course website	30	4	1	5	.202	1.106
Digital camera	30	4	1	5	.230	1.259
Handheld computer	30	4	1	5	.233	1.278
Mobile phone	30	4	1	5	.209	1.143
Internet websites	30	4	1	5	.276	1.512
Video conferencing	30	4	1	5	.248	1.357
Online discussion groups	30	4	1	5	.247	1.351
Valid N (list wise)	30					

Table 1 shows the descriptive statistics values for analysis N, range, minimum, maximum, mean, standard deviation Course website, Digital camera, Handheld computer, Mobile phone, Internet websites, Video conferencing, Online discussion groups this also using.

**TABLE 2.** Frequencies Statistics

		Course website	Digital camera	Handheld computer	Mobile phone	Internet websites	Video conferencing	Online discussion groups
N	Valid	30	30	30	30	30	30	30
	Missing	0	0	0	0	0	0	0
Mean		3.13	3.00	3.23	3.27	3.30	3.43	2.97
Std. Error of Mean		.202	.230	.233	.209	.276	.248	.247
Median		3.00	3.00	3.00	3.00	3.00	3.00	3.00
Mode		3	3	3	3	5	5	3
Std. Deviation		1.106	1.259	1.278	1.143	1.512	1.357	1.351
Variance		1.223	1.586	1.633	1.306	2.286	1.840	1.826
Skewness		-.444	.333	-.045	-.269	-.101	-.071	-.025
Std. Error of		.427	.427	.427	.427	.427	.427	.427

Skewness							
Kurtosis	.204	-.741	-.860	-.071	-1.517	-1.306	-.992
Std. Error of Kurtosis	.833	.833	.833	.833	.833	.833	.833
Range	4	4	4	4	4	4	4
Minimum	1	1	1	1	1	1	1
Maximum	5	5	5	5	5	5	5
Sum	94	90	97	98	99	103	89
Percent iles	25	3.00	2.00	2.00	3.00	2.00	2.00
	50	3.00	3.00	3.00	3.00	3.00	3.00
	75	4.00	4.00	4.25	4.00	5.00	4.00

Table 2 Show the Frequency Statistics in Digital technology in teaching and learning Course website, Digital camera, Handheld computer, Mobile phone, Internet websites, Video conferencing, Online discussion groups curve values are given.

**TABLE 3.** Reliability Statistics

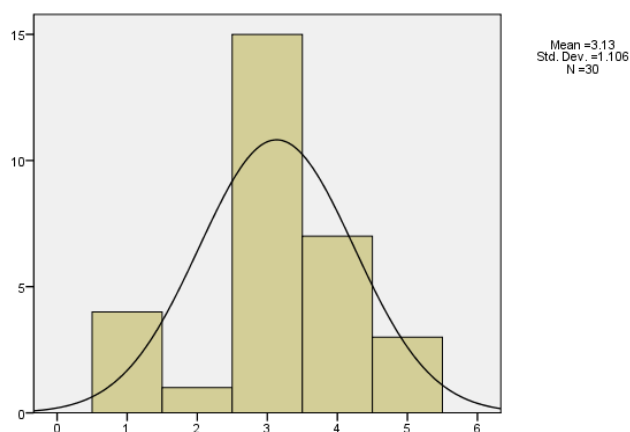
Cronbach's Alpha Based on Standardized Items	N of Items
.744	7

Table 3 shows the Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .744 which indicates 74% reliability. From the literature review, the above 50% Cronbach's Alpha value model can be considered for analysis.

**TABLE 4.** Reliability Statistic individual

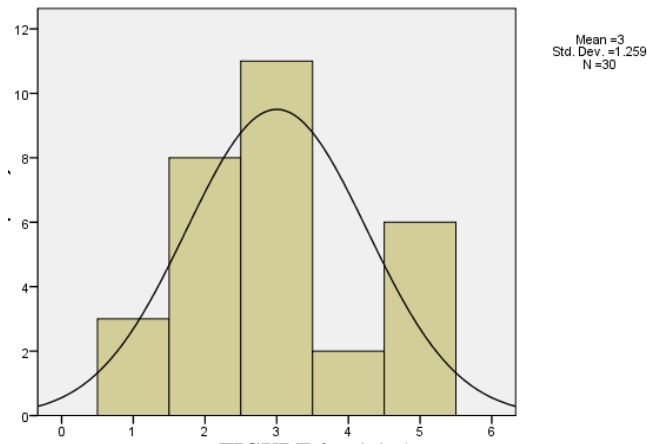
	Cronbach's Alpha if Item Deleted
Course website	.710
Digital camera	.758
Handheld computer	.704
Mobile phone	.721
Internet websites	.695
Video conferencing	.712
Online discussion groups	.685

Table 4 Shows the Reliability Statistic individual parameter Cronbach's Alpha Reliability results. The Cronbach's Alpha value for Course website- .710, Digital camera.758, Handheld computer - .704, Mobile phone - .721, Internet websites - .695, Video conferencing - .712, Online discussion groups - .685 this indicates all the parameter can be considered for analysis.



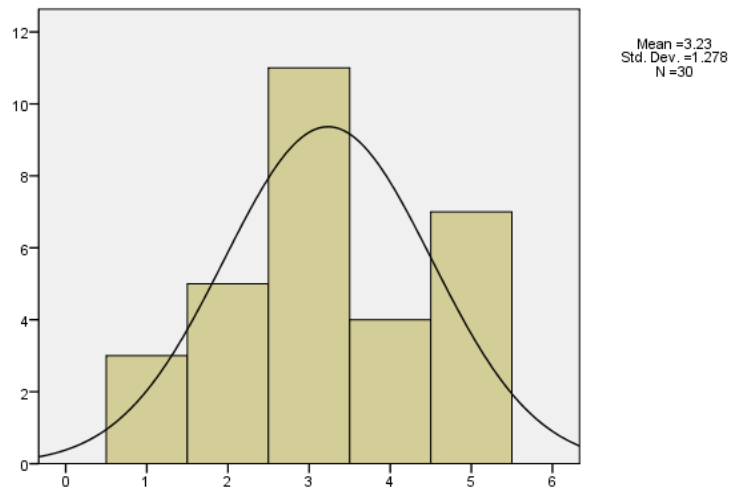
**FIGURE 1.** Course website

Figure 1 shows the histogram plot for Course website from the figure it is clearly seen that the data are slightly Left skewed due to more respondent chosen 3 for Course website except the 2 value all other values are under the normal curve shows model is significantly following normal distribution.



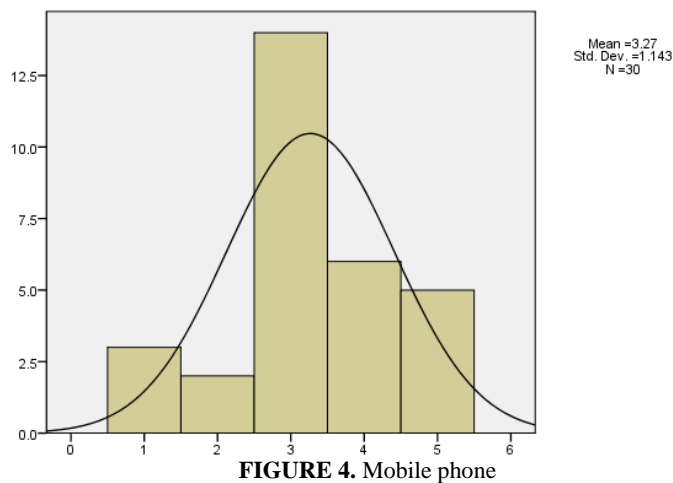
**FIGURE 2.** Digital camera

Figure 2 shows the histogram plot for Digital camera from the figure it is clearly seen that the data are slightly Left skewed due to more respondent chosen 3 for Digital camera except the 2 value all other values are under the normal curve shows model is significantly following normal distribution.



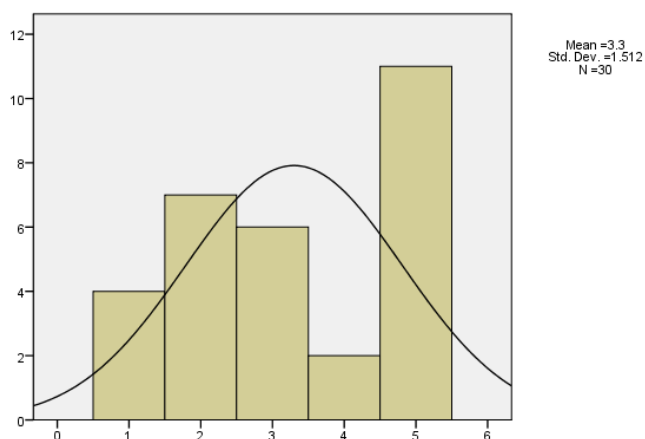
**FIGURE 3.** Handheld computer

Figure 3 shows the histogram plot for Handheld computer from the figure it is clearly seen that the data are slightly Left skewed due to more respondent chosen 3 for Handheld computer except the 3 value all other values are under the normal curve shows model is significantly following normal distribution.



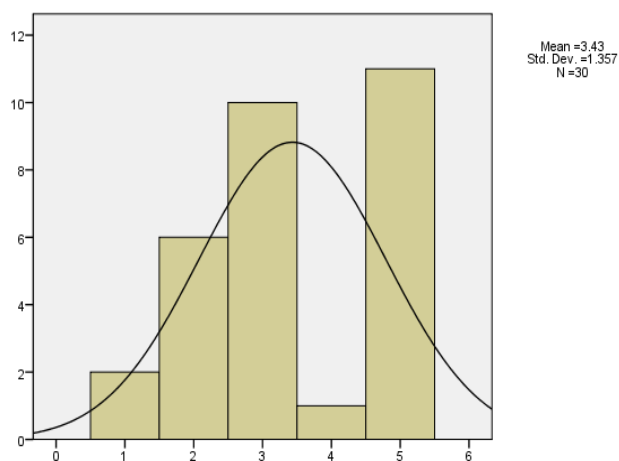
**FIGURE 4.** Mobile phone

Figure 4 shows the histogram plot for Mobile phone from the figure it is clearly seen that the data are slightly Left skewed due to more respondent chosen 3 for Mobile phone except the 2 value all other values are under the normal curve shows model is significantly following normal distribution.



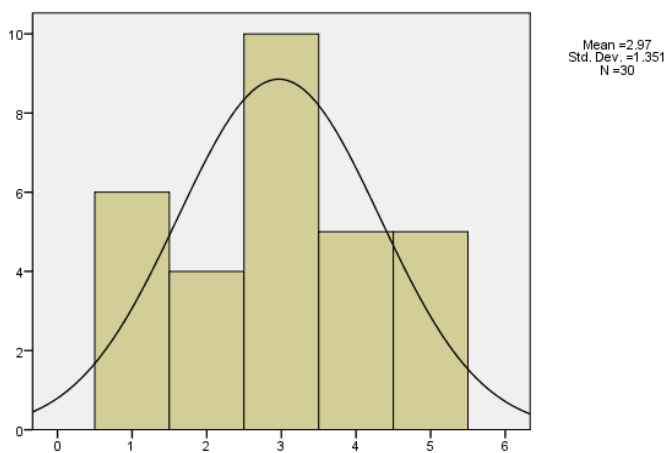
**FIGURE 5.** Internet websites

Figure 5 shows the histogram plot for Internet websites from the figure it is clearly seen that the data are slightly Right skewed due to more respondent chosen 5 for Life except the 2 value all other values are under the normal curve shows model is significantly following normal distribution.



**FIGURE 6.** Video conferencing

Figure 6 shows the histogram plot for Video conferencing from the figure it is clearly seen that the data are slightly left skewed due to more respondent chosen 5 Video conferencing except the 2 value all other values are under the normal curve shows model is significantly following normal distribution



**FIGURE 7.** Online discussion groups

Figure 7 shows the histogram plot for Online discussion groups from the figure it is clearly seen that the data are slightly Right skewed due to more respondent chosen 3 for Online discussion groups except the 2 value all other values are under the normal curve shows model is significantly following normal distribution

**TABLE 5.** Correlations

	Course website	Digital camera	Handheld computer	Mobile phone	Internet websites	Video conferencing	Online discussion groups
Course website	1	.149	.368*	.407*	.264	.305	.372*
Digital camera	.149	1	.214	.096	.290	.020	.203
Handheld computer	.368*	.214	1	.499**	.319	.198	.344
Mobile phone	.407*	.096	.499**	1	.172	.212	.296
Internet websites	.264	.290	.319	.172	1	.506**	.427*
Video conferencing	.305	.020	.198	.212	.506**	1	.497**
Online discussion groups	.372*	.203	.344	.296	.427*	.497**	1
*. Correlation is significant at the 0.05 level (2-tailed).							
**. Correlation is significant at the 0.01 level (2-tailed).							

Table 4 shows the correlation between motivation parameters for Course website. For Mobile phone is having highest correlation with Digital camera and having lowest correlation. Next the correlation between motivation parameters for Digital camera. For Internet websites is having highest correlation with Video conferencing and having lowest correlation. Next the correlation between motivation parameters for Handheld computer. For Mobile phone is having highest correlation with Video conferencing and having lowest correlation. Next the correlation between motivation parameters for Mobile phone. For Handheld computer is having highest correlation with Internet websites and having lowest correlation. Next the correlation between motivation parameters for Internet websites. For Video conferencing is having highest correlation with Mobile phone and having lowest correlation. Next the correlation between motivation parameters for Video conferencing. For Internet websites is having highest correlation with Digital camera and having lowest correlation. Next the correlation between motivation parameters for Online discussion groups. For Video conferencing is having highest correlation with Psychological Digital camera and having lowest correlation.

## 10. Conclusion

Digital school rooms are described by way of the usage of electronic devices or platforms which includes social media, multimedia and cellular telephones to educate college students. One of The most superb outcomes of era on students is that it widely supports and enhances the studying method of students. Quality elements of path internet site First this have a look at conducts an overview of the literature on route internet site excellent to broaden sixteen subscales, which can be used to degree course internet site quality. Digital cameras are imageless; They feel mild and shade thru an electronic tool (including a price coupled device (CCD)) and convey as output a laptop document describing a photo organized in a meaningful, pre-described layout the use of 1s and 0s. Often this virtual picture report is saved in the digital camera itself for transfer to a bigger computer Handheld computers are a compact, tremendously inexpensive, incorporated platform for point-of-care clinical reference, patient and facts management, and a conversation device used to enhance their scientific practice. Mobile smartphone usage and features Modern telephones have diverse capabilities that had been now not viable years ago Internet websites that promote those products. Because customers may not flip to their physicians or pharmacists for statistics regarding the usage of nutritional supplements for weight loss, it's miles imperative that fitness care providers actively interact their patients in an open dialogue about nutritional complement use, benefits, and dangers The prototype machine supports multipart "surgical meetings" with outstanding audio and video channels. the Cronbach's Alpha Reliability result. The overall Cronbach's Alpha value for the model is .744 which indicates 74% reliability. From the literature review, the above 50% Cronbach's Alpha value model can be considered for analysis.

## References

- [1]. Buzzard, Christopher, Victoria L. Crittenden, William F. Crittenden, and Paulette McCarty. "The use of digital technologies in the classroom: A teaching and learning perspective." *Journal of Marketing Education* 33, no. 2 (2011): 131-139.
- [2]. Brown, Jill P. "Complexities of digital technology use and the teaching and learning of function." *Computers & Education* 87 (2015): 112-122.
- [3]. Clark-Wilson, Alison, Ornella Robutti, and Mike Thomas. "Teaching with digital technology." *Zdm* 52, no. 7 (2020): 1223-1242.
- [4]. Sailer, Michael, Julia Murböck, and Frank Fischer. "Digital learning in schools: What does it take beyond digital technology?." *Teaching and Teacher Education* 103 (2021): 103346.
- [5]. Cahyono, Adi Nur, and Matthias Ludwig. "Teaching and learning mathematics around the city supported by the use of digital technology." *Eurasia Journal of Mathematics, Science and Technology Education* 15, no. 1 (2018): em1654.



- [6]. Taber, Keith S. "The role of new educational technology in teaching and learning: A constructivist perspective on digital learning." In *Handbook on digital learning for k-12 schools*, pp. 397-412. Springer, Cham, 2017.
- [7]. Borko, Hilda, Jennie Whitcomb, and Daniel Liston. "Wicked problems and other thoughts on issues of technology and teacher learning." *Journal of Teacher Education* 60, no. 1 (2009): 3-7.
- [8]. Geiger, Vince, Marilyn Goos, and Shelley Dole. "The role of digital technologies in numeracy teaching and learning." *International Journal of Science and Mathematics Education* 13, no. 5 (2015): 1115-1137.
- [9]. Sampson, Demetrios, Dirk Ifenthaler, J. Michael Spector, and Pedro Isafas, eds. *Digital technologies: sustainable innovations for improving teaching and learning*. Springer International Publishing, 2018.
- [10]. Benson, Denzel E., Wava Haney, Tracy E. Ore, Caroline Hodges Persell, Aileen Schulte, James Steele, and Idee Winfield. "Digital technologies and the scholarship of teaching and learning in sociology." *Teaching Sociology* (2002): 140-157.
- [11]. Lin, Hsiu-Fen. "An application of fuzzy AHP for evaluating course website quality." *Computers & Education* 54, no. 4 (2010): 877-888.
- [12]. Koeber, Charles. "Introducing multimedia presentations and a course website to an introductory sociology course: How technology affects student perceptions of teaching effectiveness." *Teaching Sociology* 33, no. 3 (2005): 285-300.
- [13]. Selim, Hassan M. "An empirical investigation of student acceptance of course websites." *Computers & Education* 40, no. 4 (2003): 343-360.
- [14]. Friedman, Gary L. "The trustworthy digital camera: Restoring credibility to the photographic image." *IEEE Transactions on consumer electronics* 39, no. 4 (1993): 905-910.
- [15]. Saunders, Charles, John Murray-Bruce, and Vivek K. Goyal. "Computational periscopy with an ordinary digital camera." *Nature* 565, no. 7740 (2019): 472-475.
- [16]. Van Lanh, Tran, Kai-Sen Chong, Sabu Emmanuel, and Mohan S. Kankanhalli. "A survey on digital camera image forensic methods." In *2007 IEEE international conference on multimedia and expo*, pp. 16-19. IEEE, 2007.
- [17]. Lu, Yen-Chiao, Yan Xiao, Andrew Sears, and Julie A. Jacko. "A review and a framework of handheld computer adoption in healthcare." *International journal of medical informatics* 74, no. 5 (2005): 409-422.
- [18]. Squire, Kurt, and Eric Klopfer. "Augmented reality simulations on handheld computers." *The journal of the learning sciences* 16, no. 3 (2007): 371-413.
- [19]. Darroch, Iain, Joy Goodman, Stephen Brewster, and Phil Gray. "The effect of age and font size on reading text on handheld computers." In *IFIP conference on human-computer interaction*, pp. 253-266. Springer, Berlin, Heidelberg, 2005.
- [20]. Fletcher, Linda A., Darin J. Erickson, Traci L. Toomey, and Alexander C. Wagenaar. "Handheld computers: A feasible alternative to paper forms for field data collection." *Evaluation Review* 27, no. 2 (2003): 165-178.
- [21]. Kuznekoff, Jeffrey H., and Scott Titsworth. "The impact of mobile phone usage on student learning." *Communication Education* 62, no. 3 (2013): 233-252.
- [22]. Blondel, Vincent D., Adeline Decuyper, and Gautier Krings. "A survey of results on mobile phone datasets analysis." *EPJ data science* 4, no. 1 (2015): 10.
- [23]. Bianchi, Adriana, and James G. Phillips. "Psychological predictors of problem mobile phone use." *Cyberpsychology & behavior* 8, no. 1 (2005): 39-51.
- [24]. Mac Donald, Verne H. "Advanced mobile phone service: The cellular concept." *The bell system technical Journal* 58, no. 1 (1979): 15-41.
- [25]. Martins, E. N., and Lawrence S. Morse. "Evaluation of internet websites about retinopathy of prematurity patient education." *British journal of ophthalmology* 89, no. 5 (2005): 565-568.
- [26]. Shier, Micheal L., and Femida Handy. "Understanding online donor behavior: the role of donor characteristics, perceptions of the internet, website and program, and influence from social networks." *International Journal of Nonprofit and Voluntary Sector Marketing* 17, no. 3 (2012): 219-230.
- [27]. Augestad, Knut Magne, and Rolv Ole Lindsetmo. "Overcoming distance: video-conferencing as a clinical and educational tool among surgeons." *World journal of surgery* 33, no. 7 (2009): 1356-1365.
- [28]. De Wever, Bram, Tammy Schellens, Martin Valcke, and Hilde Van Keer. "Content analysis schemes to analyze transcripts of online asynchronous discussion groups: A review." *Computers & education* 46, no. 1 (2006): 6-28.
- [29]. Son, Jeong-Bae. "Using online discussion groups in a CALL teacher training course." *RELC Journal* 37, no. 1 (2006): 123-135.
- [30]. Hughes, Matthew, Susie Ventura, and Mark Dando. "Assessing social presence in online discussion groups: A replication study." *Innovations in Education and teaching International* 44, no. 1 (2007): 17-29.