

استخدام تطبيق وسائل التواصل الاجتماعي للتعلم عن بعد

في كلية الطب أثناء جائحة COVID-19

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مستخلص:

بدأ المعلمون أيضًا في ملاحظة التكنولوجيا الجديدة والتحقيق في كيفية تأثيرها على أداء الطلاب وسلوكهم. أدى الانتشار الكبير للهواتف الذكية إلى زيادة استخدام تطبيقات الوسائط الاجتماعية من قبل مجموعات من المعلمين وطلابهم للمساعدة في عملية التعلم من خلال منح الوصول المباشر إلى العديد من الموارد عبر الإنترنت بالإضافة إلى المشاركة والرضا عن التعلم عبر الإنترنت عوامل أساسية في تشجيع العمليات التعليمية الفعالة

الهدف:

في هذه الدراسة ، نحاول تقييم قبول الطلاب للتطبيقات المجانية وامكانية استخدام وسائل التواصل الاجتماعي لإطلاق نوع محترم من التعلم عن بعد للطلاب والمعلمين أثناء الجائحة .

المنهجية:

نقوم بإجراء دراسة مقطعية على 68 طالبًا مسجلين ، وقد اخترنا طلاب السنة الخامسة في كلية الطب بجامعة غريان كطلاب طب في السنة الخامسة حضروا محاضرات في جراحة العظام. يتم أخذ حجم عينة مناسب وتوزيع استبيان إلكتروني على الطلاب باستخدام تطبيق SurveyMonkey لتقييم قبولهم للتعلم عن بعد.

النتيجة:

أظهر الطلاب قبولاً للدورة بالإضافة إلى الوقت والمواد والوضوح في الدورة ، بالإضافة إلى ذلك ، وجدوا المواد الداعمة مثل مقاطع الفيديو التي يتم تقديمها خلال الدورة التدريبية كانت مفيدة للغاية.

الخلاصة: برامج التعليم الأقل تكلفة من برامج التعليم المباشر لوجه. جعلت هذه التكنولوجيا التعليم ممكنا. التكنولوجيا فعالة من حيث التكلفة ، وهو أمر مهم في الدول ذات البنية التحتية غير الكافية.

الكلمات الرئيسية:

التعلم عن بعد ، تطبيق الوسائط الاجتماعية ، التعلم عبر الإنترنت ، التعلم الإلكتروني ، التواصل باستخدام تطبيق الوسائط الاجتماعية المجاني.

Using Social Media Applications for Distance Learning at Medicine Faculty during the COVID-19 pandemic

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ABSTRACT:

Teachers have also begun to take note of the new technology and investigate how they affect student performance and conduct. High smartphone penetration has sparked an increase in the usage of social media applications by groups of teachers and their students to help the learning process by granting direct access to many online resources in addition engagement and satisfaction with online learning are essential factors in encouraging effective educational processes

Aim:In this study, we try to assess students' acceptance of free apps and social media can be used to launch a respectable kind of distance learning for students and teachers during a pandemic or crisis.

Methodology:We performed a cross-sectional study of 68 registered students, we chose the fifth-year medical students at Gharyan University as fifth-year medical students who attended orthopedic surgery lectures. Convenient sample size is taken and an electronic questionnaire was distributed to students using the SurveyMonkey application to assess their acceptance of distance learning.

Result:The students showed acceptance of the course as well as the time, material, and clarity of the course, in addition, they found the supporting materials as videos that deliver during the course were very useful.

Conclusion: Programs for education that are less expensive than customary education programs. This technology made schooling possible. Technology is cost-effective, which is significant in nations with inadequate infrastructure.

Keywords: Distance Learning, social media App, Online learning, E' learning, Communication using free social media App.

INTRODUCTION:

Gharyan University was established as a result of General People's Committee (Previous) Decision No. 925 of 1985. This university is known for its frustration. An area divided into sections that run from the cities of Gharyan East to the cities of Keklah West and North from the cities of Gharyan to the towns of Al-Shghaigha, Nesma in the south, and Gharyan University This academic castle is associated with the Ministry of Education, has an academic age of 34 years, and its name has been changed in compliance with the Ministry of Education's decision No. 19 of 2017 regarding the renaming of the Gharyan University (former AljabelAlgharbi University)⁽¹⁾.

According to the resolution of the Secretary of the People's Committee for Gharyan's People Previously Number (15) for the year 1999, the Gharyan College of Human Medicine has created in the academic year 1999–2000 AD. The founding of a prestigious scientific castle that serves the western mountainous region and is capable of upholding the highest international standards of quality in the fields of teaching, training, and scientific research in education was one of the college's founding principles.

There were more than 700 students enrolled in the college. Additionally, there were more than 700 graduates overall, both male and female. There are now 47 employees. There are 36 faculty members that are permanent employees. 20 to 25 faculty members are attending when the students are visiting ⁽²⁾.

Teachers have also begun to take note of the new technology and investigate how they affect student performance and conduct. While there is evidence to support the idea that these technologies have a significant impact on young people's social development, what effects these technologies have on children's intellectual development is a more important concern for classroom teachers ⁽³⁾. High smartphone penetration has sparked an increase in the usage of apps by groups of teachers and their students to help the learning process by granting direct access to many online resources. Phone App has evolved into a modern and practical instrument for teaching and learning activities thanks to the combination of mediums like videos, images, and voice notes with a continual facilitator who is available at all times with no significant difference between lectures; however, the challenge may be rise

due absent of Wi-Fi connection and can provide even of the absence of infrastructure ^(4, 5). In addition, engagement and satisfaction with online learning are important factors in encouraging effective educational processes ^(6,7,8).

Telegram is more functional than many other programs, with fewer potential drawbacks. Telegram adheres to the constructivism principles by supporting learners in scaffolding new information on prior knowledge instead of solely depending on professors, the program aids students, in steads of solely depending on professors, and the program aids students in scaffolding new material on past knowledge in accordance with constructivism principles Having too much information can also result in cognitive overload, which may make it difficult to learn ⁽⁹⁾.

We use electronic learning during the COVID 19 pandemic at Gharyan University and accompany by the measure of students' acceptance and adoption of the new methods.

Aim:

Assessing students' acceptance of free apps and social media can be used to launch a respectable kind of distance learning for students and teachers during a pandemic or crisis.

Methodology;

Cross section study was carried out at the medicine faculty of Gharyan University for 6 months, from 29 March 2020 to 21 September 2020 to select 68 students by convenient sample size, we chose the fifth-year medical students at Gharyan University on fifth-year medical students attended orthopedic surgery distance learning lectures. We use an electronic questionnaire that was distributed to students using the SurveyMonkey application to assess their acceptance of distance learning. Every lecture took about 80 min divided into 2 sessions, using Zoom and Telegram applications accompanied by PowerPoint presentations and short videos lecture.

Ethical consideration: approval consent of the Faculty Dean and Gharyan University was taken and also, I requested the participant student's full name

and phone number, and Gmail account and I consider that was a given consent from the students for joining the distance learning experience.

The steps of distance learning were

Step 1: Create a group on one of the social media Applications.

Taking the advantage that all students are familiar with many social media App as; Telegram, we created a group on this Application. 100 members joined the group. We used this created group to discuss and explain this experience. This was the most important step because the students are familiar with this Application and they use it all the time the day, also in this Application Group you, can choose your team and train them. On the other hand, we can discuss with students and explain our plan and let be actively involved in planning, preparing, and implementation. We made them the owners of this Experience so, they changed parts of the plan for good. They decided to change the social media Application group to Telegram because they are familiar with it. Also, there was in our plan to use Google classroom to download the learning materials and they suggested creating a Telegram channel to download all the learning material that idea makes access to learning material very easy and simple.

Step 2: plan and train your team & students

We discussed with the students the objectives, ground rules, and the rules of the students and we all agree that the course should be student-centered learning and they should have an active role in planning, preparing implementation, and assessment (feedback).

We use the YouTube video to train the students on how to download the Zoom application and how to use it. We divided the students into 6 groups. Each group ranges from 12 to 14 students to adapt to the teamwork and leadership in each group. Each group opened a group in the Telegram application and chose a leader, reporter, and timekeeper; they added me to their groups for the mentoring rule. Three students were delegated to open the telegram channel to download the learning materials. The students chose the proper time for the lecture by using SurveyMonkey

Step 3: prepare, implement, and assess your lecture

The first lecture on orthopedic surgery is about taking the history of orthopedic patients and Normal and abnormal gait and the second part of the lecture is difficult to deliver in just a PowerPoint presentation without showing the normal gait steps and abnormal gait and analyzing them. So, I decided to use the flipped classroom strategy and I sent 2 YouTube videos showing the normal and pathological gait analysis, one day before the lecture. And I record 2, one-minute videos, the first showing me walking pathological gaits to ask the students to analyze the gait and try to give a differential diagnosis, and the other video shows me analyzing the pathological gait and giving the diagnosis. In the PowerPoint presentation, I used fewer words and more pictures to attract the students to the presentation. Because I didn't have experience with the Zoom app as a presenter so I tried it with my family each of my girls and my wife used their mobiles in different rooms of the house and I present 5 minutes using the different options of the Zoom app.

Result:

25 synchronous lectures were given and recorded and downloaded to the students and students attended the synchronous lectures ranging from 35 to 50 students depending on internet and electricity availability,

Team Based Learning (TBL) was used in one lecture, flipped classroom was used in most of the lectures, and 15 short video and 2 recorded videos were used as teaching materials.

I used Monkey Survey application for feedback survey with 6 closed questions and 2 open questions and the results are:

1. Overall, how would you rate the course?

Answers chose	Students Number	Percentage %
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Excellent	14	29%
Very good	22	46%
Good	12	25%
Fair	0	0%
Poor	0	0%
Total	48	100%

2. How convenient was the time that the course was held?

Answer chose	Student's numbers	Percentage %
Extremely convenient	12	25%
Very convenient	22	45%
Somewhat convenient	10	20%
Not So convenient	4	8%
Not at all convenient	1	2%
Total	49	100%

3. How useful was the course material?

Answer chose	Students number	Percentage %
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Extremely useful	16	33%
Very useful	27	55%
Somewhat useful	6	12%
Not So useful	0	0%
Not at all useful	0	0%
Total	49	100%

4. How clearly did your instructor explain the course material?

Answer chose	Student's numbers	Percentage %
Extremely clear	12	25%
Very clear	26	54%
Somewhat clear	8	16%
Not so clear	2	4%
Not at all clear	0	0%
	48	100%

5. Was the speed with which your instructor presented the course material?

Answer chose	Students number	Percentage %
Much fast	1	2%
Too fast	5	10%
The right amount	42	86%
Too slow	1	2%

Much too slow	0	0%
Total	49	100%

6. How helpful were the video assignments to your understanding of the material?

Answer chose	Students number	Percentage %
Extremely helpful	13	27%
Very helpful	28	58%
Somewhat helpful	6	13%
Not so helpful	1	2%
Not at all helpful	0	0%
Total	48	0%

And the Answer of the last 2 open questions was

7. What improvements would you make to the class?

- More pictures with questions
- CURRENT....Just Keep Going. It's amazing
- Nothing ... everything is perfect
- As a first step, it was an excellent experience ..just some connection issues that we're all facing here, otherwise the lecture was incredibly interesting and helpful. Thanks a lot.
- I would like more videos and questioning like that you made in the lecture and we share in it. By the way, I didn't vote for this timing of the course but after the experience, I found out that the timing was excellent and your contact with us "the students" is very great I liked it. Lots of respect to you doctor and I wish we'll continue at this level.
- More videos to illustrate the lesson

- My suggestions are that there are more pictures of all the subjects we will take. Because the pictures are fixed in the information more.
- 1.. I hope that the lessons will be supported by pictures. 2.. quick review at the end of the lesson to arrange our information.
- more explaining pictures and videos for more understanding and anything or disease we see we never forget and thank you, doctor.
- This type of education needs good internet 😊 but also it is very nice to try
- Ok I think it just needs a little clarification &and simplification of some terms before going deep in details for example (stiffness)it was better to start with a definition (again thank you, doctor)

8. What are the most important takeaways for you from the lecture?

Was a useful lecture in general and it aids me to understand the ideas and objectives which are specific to orthopedic so it was just a good beginning carry on doctor

- Take a good examination
- Good communication skills are also important for building relationships and influencing and gaining from others
- It will make surgery more interesting to me and will give me a push to continue studying
- Convenient and new way of learning. Excited to see what is next
- I learn how I can take history and orthopedic examination and I learn the types of gaits and the difference between these types.
- normal and abnormal gaits و كذلك complains طريقه شرح الهستوري حلوه وممتع وفهمت اهم ال بطريقه حلوه ومبسطة
- I think the most imp is the doctor technique and strategy also when he focuses on imp details which make us oriented
- The most helpful was the videos you have gave us before the course ..it made me understand the subject more clearly. The second thing was that you made us share in the course and that was really helpful.

Discussion:

Due to the COVID19 pandemic and the implementation of the social distance regulations, the globe changed to distance learning, which forced us and other universities in Libya to do the same to save the educational institutions and bring them back to the minimally necessary state.

Due to its suddenness, it also faced several difficulties, the first of which is the absence of a learning management system for distant learning. The majority of professors and students struggle with using technology for teaching and learning and with understanding the fundamentals of distant learning, which poses the second significant barrier. The Ministry of Education's inability to adequately regulate and support e-learning is the third issue.

Show that you can establish an adequate distance learning program for students and teachers promptly without the support of the university's distance learning infrastructure by using free applications and social media this result was very compatible with other studies done before as VarshneyaAK⁽⁶⁾.

Students also show a great degree of acceptance of various aspects that they asked for as time and material clarity and proper guidance, to assure the continuity of the teaching-learning process and human safety at the same time, face-to-face instruction has been paused worldwide, and shifted online. It does, however, necessitate effective delivery and consideration of the students' recommendations studies in the region as Abbadi, Said emphasis ⁽⁷⁾ in the same aspect.

In general, this study shows the abilities of the university to deliver effective distance learning with appropriate student satisfaction in teaching transformation.

The issue we faced in this study like inappropriate time problems and internet connection we could get over it by recording the class session for absent students.

Problem students face during distance learning, some student demand more pictures, videos, and more material, a technical problem like internet connection was an issue in addition to time problems the time was not suitable for some student

Conclusion;

Due to the ability of technologies to deliver, technology-enhanced education is typically seen as a solution to alleviate poverty, and social divisions, and increase living standards. Programs for education that are less expensive than customary education programs. This technology made schooling possible. Technology is cost-effective, which is significant in nations with inadequate infrastructure. In addition, studies show great acceptance of distance learning even in presence of some difficulties.

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Determination of radioactivity and radiological hazards in Soil samples locations between
Zawiya and Tripoli , Libya

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