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# Satisfaction and Continuance Intention of Learning with Virtual Classes in Engineering Students from Peruvian Private Universities

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Abstract

Author keywords

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Abstract

Due to the global COVID-19 pandemic, government regulations in many countries forced educators to transition from face-to-face to online virtual classes. The rapid adaptation to the remote educational format has many professors experiencing issues with their students' interaction and participation. This change in classroom dynamics has forced educators to analyze if their virtual classrooms effectively educate students. An unsuccessful class is an enormous problem that can have a long-lasting impact on students as they finish their academic careers. By understanding students' perception of the virtual classes' operation, and their feelings regarding their potential success, professors can improve their sessions and the students' achievement. In this work, a survey was conducted to 126 students of four Peruvian private universities' engineering departments. The study aimed to measure the intention of continuing with online classes. We concluded that that variable is substantially explained by the usage satisfaction, the perceived usefulness, enjoyment, the effort expectancy, the social influence, trust, shared norm, and tie strength. © 2021 IEEE.

Author keywords

COVID; education; online; satisfaction

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- 
- 1 Bao, W.  
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(2020) *Hum. Behav. Emerg. Technol.*, 2 (2), pp. 113-115. Cited 244 times.
- 
- 2 Covid-19: 20 countries' higher education intra-period digital pedagogy responses  
(2020) *J. Appl. Learn. Teach.*, 3 (1). Cited 208 times.  
J. C. A et al.
- 
- 3 Adnan, M., Anwar, K.  
(2020) *Ed606496*, 2 (1), pp. 2-8. Cited 83 times.
- 
- 4 Bhattacharjee, A.  
Understanding information systems continuance: An expectation-confirmation model  
  
(2001) *MIS Quarterly: Management Information Systems*, 25 (3), pp. 351-370. Cited 3628 times.  
<http://misq.org/misq/downloads/>  
doi: 10.2307/3250921  
  
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- 
- 5 Ramayah, T., Ahmad, N.H., Hong, T.S.  
An assessment of e-training effectiveness in multinational companies in malaysia  
  
(2012) *Educational Technology and Society*, 15 (2), pp. 125-137. Cited 34 times.  
[http://www.ifets.info/journals/15\\_2/12.pdf](http://www.ifets.info/journals/15_2/12.pdf)
- 
- 6 Santana Camargo, F.I., Royer, M.A.  
Specialized educational service: Mishaps and challenges  
(2020) *Int. J. Innov. Educ. Res.*, 8 (5), pp. 157-161.
- 
- 7 Mykytyn, P.P.  
COVID-19 and Its Impacts on Managing Information Systems  
  
(2020) *Information Systems Management*, 37 (4), pp. 267-271. Cited 2 times.  
<http://www.tandfonline.com/toc/uism20/current>  
doi: 10.1080/10580530.2020.1818900  
  
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- 
- 8 Jumaan, I.A., Hashim, N.H., Al-Ghazali, B.M.  
The role of cognitive absorption in predicting mobile internet users' continuance intention: An extension of the expectation-confirmation model  
  
(2020) *Technology in Society*, 63, art. no. 101355. Cited 4 times.  
[www.elsevier.com/inca/publications/store/3/8/4/](http://www.elsevier.com/inca/publications/store/3/8/4/)  
doi: 10.1016/j.techsoc.2020.101355  
  
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-

- 9 Chiu, W., Cho, H., Chi, C.G.  
Consumers' continuance intention to use fitness and health apps: an integration of the expectation–confirmation model and investment model  
  
(2020) *Information Technology and People*, 34 (3), pp. 978-998. Cited 9 times.  
<http://www.emeraldinsight.com/info/journals/itp/itp.jsp>  
doi: 10.1108/ITP-09-2019-0463  
  
View at Publisher
- 
- 10 Tam, C., Santos, D., Oliveira, T.  
Exploring the influential factors of continuance intention to use mobile Apps: Extending the expectation confirmation model (Open Access)  
  
(2020) *Information Systems Frontiers*, 22 (1), pp. 243-257. Cited 41 times.  
[http://www.springeronline.com/sgw/cda/frontpage/0,11855,4-170-70-35673075-0,00.html?detailsPage&contentItemId=140346&CIPageCounter=CI\\_FO R\\_AUTHORS\\_AND\\_EDITORS\\_PAGE1](http://www.springeronline.com/sgw/cda/frontpage/0,11855,4-170-70-35673075-0,00.html?detailsPage&contentItemId=140346&CIPageCounter=CI_FO R_AUTHORS_AND_EDITORS_PAGE1)  
doi: 10.1007/s10796-018-9864-5  
  
View at Publisher
- 
- 11 Jiang, J.J., Klein, G.  
Expectation-confirmation theory: Capitalizing on descriptive power  
  
(2009) *Handbook of Research on Contemporary Theoretical Models in Information Systems*, pp. 384-401. Cited 14 times.  
<http://www.igi-global.com/book/handbook-research-contemporary-theoretical-models/454>  
ISBN: 978-160566659-4  
doi: 10.4018/978-1-60566-659-4.ch022  
  
View at Publisher
- 
- 12 Church, A.H., Waclawski, J.  
A Five-Phase Framework for Designing a Successful Multisource Feedback System  
  
(2001) *Consulting Psychology Journal*, 53 (2), pp. 82-95. Cited 11 times.  
<http://www.apa.org/journals/cpb.html>  
doi: 10.1037/1061-4087.53.2.82  
  
View at Publisher
- 
- 13 Gupta, A., Dhiman, N., Yousaf, A., Arora, N.  
Social comparison and continuance intention of smart fitness wearables: an extended expectation confirmation theory perspective  
  
(2020) *Behaviour and Information Technology*. Cited 6 times.  
[www.tandf.co.uk/journals/titles/0144929X.asp](http://www.tandf.co.uk/journals/titles/0144929X.asp)  
doi: 10.1080/0144929X.2020.1748715  
  
View at Publisher
- 
- 14 Du, H.S., Xu, J., Tang, H., Jiang, R.  
Repurchase Intention in Online Knowledge Service: The Brand Awareness Perspective  
  
(2020) *Journal of Computer Information Systems*. Cited 3 times.  
<http://www.tandfonline.com/loi/ucis20>  
doi: 10.1080/08874417.2020.1759159  
  
View at Publisher

□ 15 Hoyer, W.D.  
(2018) *Comportamiento Del Consumidor*  
Mexico D.F.: Cengage

□ 16 Sun, Y., Liu, L., Peng, X., Dong, Y., Barnes, S.J.  
Understanding Chinese users' continuance intention toward  
online social networks: An integrative theoretical model

(2014) *Electronic Markets*, 24 (1), pp. 57-66. Cited 77 times.  
doi: 10.1007/s12525-013-0131-9

[View at Publisher](#)

□ 17 Espiritusanto, O.  
Los autenticos nativos digitales: Estamos preparados para la generacion z?  
(2016) *Rev. Estud. Juv.*, 114, p. 210.

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