Scopus

Document details

< Back to results 1 of 1	Metrics ①
到 Export 业 Download 日 Print 図 E-mail Save to PDF ☆ Add to List More >	
Journal of Information and Communication Technology Volume 17, Issue 4, 2018, Pages 629-651	0 Citations in Scopus 0 Field-Weighted Citation Impact
Cloud-based Learning System for improving students' programming sk and self-efficacy (Article)	
Abdullahi, M.S.I. 🖂, Salleh, N. 🔄, Nordin, A. 🖂, Alwan, A.A. 🖂	*
Department of Computer Science, International Islamic University Malaysia, Malaysia	•
	PlumX Metrics ~
Abstract view reference	S (22) Usage, Captures, Mentions, Social Media and Citations
Cloud-based Learning Systems (CBLS) refers to the systems that provide electronic or online content to enable the learning process by offering tools and functionalities through platform available in Cloud. This research seeks to examine the effectiveness of CBLS in improving programming skills among undergraduate students by measuring students' performance in solving programming problems. This is because there is no empirical evidence on the effectiveness of CBLS when compared with the traditional method of learning programming among student beginners. Traditionally, teaching programming courses has been performed in a classroom setting and it can be	ng Cited by 0 documents
challenging for an instructor to go beyond covering the language's syntax such as program design skills and prosolving skills due to the wide variety of students' background in such bounded class duration. In this study, three single-subject experiments were conducted using 40 undergraduate students enrolled in Web Programming course the experiments compared the time students spent to solve programming tasks by using traditional learning meand CBLS. A survey to measure students' selfefficacy was administered before and after the experiments. The fine of this study showed that there is a statistically significant difference in learning programming using CBLS when compared with traditional method. Our results showed that students solve programming problems in less time using CBLS. The study also found out that CBLS is effective for improving students' self-efficacy. © 2010, Unive Utara Malaysia Press.	Inform me when this document is cited in Scopus: ethod dings Set citation alert > Set citation feed >
SciVal Topic Prominence ①	Related documents A strategy to improve student's
Topic: Cloud computing Clouds educational institutions	motivation levels in Programming courses
Prominence percentile: 82.753	Martins, S.W., Mendes, A.J., Figueiredo, A.D. (2010) Proceedings - Frontiers in Education Conference, FIE
Author keywords (Cloud computing) (Cloud-based learning system) (Programming skills)	Teaching software engineering through computer games
ISSN: 1675414X Document Type: Article Source Type: Journal Publisher: Universiti Utara Malaysia Press Original language: English	Alatrista-Salas, H., Nunez-Del- Prado, M. (2018) EDUNINE 2018 - 2nd IEEE World Engineering Education Conference: The Role of Professional Associations in Contemporaneous Engineer Careers, Proceedings
References (22) View in search results for	Diversifying activities to improve student performance in programming courses
☐ All Export ☐ Print ☑ E-mail Save to PDF Create bibliography	Martins, S.W., Mendes, A.J.,
NEW! SciVal Topic Prominence is now available in Scopus.	Figueiredo, A.D. (2010) ACM International Conference Proceeding Series

Which Topic is this article related to? View the Topic.

 \times

1	Al-Imamy, S., Alizadeh, J., Nour, M.A.	on references
	On the development of a programming teaching tool: The effect of teaching by templates on the learning process (2006) <i>Journal of Information Technology Education</i> , 5, pp. 271-283. Cited 17 times. Informing Science Institute	Find more related documents in Scopus based on:
	https://www.learntechlib.org/p111545/	Authors > Keywords >
_ 2	Creswell, J.W. Chapter one 'a framework for design.' (2003) Research Design Qualitative Quantitative and Mixed Methods Approaches, pp. 3-26. Cited 28 times. https://doi.org/10.3109/08941939.2012.723954	
□ 3	Creswell, J.W., Creswell, J.D. (2018) <i>Research Design: Qualitative, quantitative, and mixed methods approaches.</i> Cited 14341 times. (5 edition) SAGE Publications, Inc	
4	Askar, P., Davenport, D. An investigation of factors related to self-efficacy for java programming among engineering students	
	(2009) Turkish Online Journal of Educational Technology, 8 (1), pp. 26-32. Cited 48 times. http://www.tojet.net/articles/813.doc	
<u> </u>	Askar, P., Davenport, D. An investigation of factors related to self-efficacy for java programming among engineering students	
	(2009) Turkish Online Journal of Educational Technology, 8 (1), pp. 26-32. Cited 48 times. http://www.tojet.net/articles/813.doc	
□ 6	Ding, Q., Cao, S. RECT: A Cloud-Based Learning Tool for Graduate Software Engineering Practice Courses With Remote Tutor Support (Open Access)	
	(2017) IEEE Access, 5, art. no. 7842546, pp. 2262-2271. http://ieeexplore.ieee.org/xpl/Recentlssue.jsp?punumber=6287639 doi: 10.1109/ACCESS.2017.2664070	
	View at Publisher	
□ 7	Huang, TC., Shu, Y., Chang, SH., Huang, YZ., Lee, SL., Huang, YM., Liu, CH.	
	Developing a self-regulated oriented online programming teaching and learning system	
	(2015) Proceedings of IEEE International Conference on Teaching, Assessment and Learning for Engineering: Learning for the Future Now, TALE 2014, art. no. 7062599, pp. 115-120. Cited 6 times. ISBN: 978-147997672-0 doi: 10.1109/TALE.2014.7062599	
	View at Publisher	

View all related documents based