



< Back to results | < Previous 157 of 182 Next >

Download Print Save to PDF Save to list Create bibliography

International Journal of Engineering and Technology(UAE) • Volume 7, Issue 3.30 Special Issue 30, Pages 194 - 197 • 2018

Document type

Article

Source type

Journal

ISSN

2227524X

View more

Model artificial intelligent in E-learning using fuzzy logic (Case Study Sasmoko.Com)

Yossy, Emny Harna^{a, f}; Sasmoko^{b, f} ; Kusumastuti, Dwi Listriana^{c, f}; Rabiha, Sucianna Ghadati^{d, f}; Indrianti, Yasinta^{e, f}

Save all to author list

^a Computer Science Department, School of Computer Science, Bina Nusantara University, Jakarta, Indonesia

^b Primary Teacher Education Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia

^c Information System Department, School of Information Systems, Bina Nusantara University, Jakarta, Indonesia

^d Information System Department, Binus Online Learning, Bina Nusantara University, Jakarta, Indonesia

View additional affiliations

1 30th percentile
Citation in Scopus

0.11
FWCI

28
Views count

View all metrics

View PDF Full text options Export

Abstract

Author keywords

SciVal Topics

Metrics

Funding details

Abstract

The advancement of information technology has been maximally utilized in the world of education, especially in the learning process. One form is e-learning. In its development, e-learning has several problems when faced with the background and needs of students who take part in learning. These differences affect the effectiveness of learning because not all students have the same learning style. To over-come these problems, researchers tried to use fuzzy logic methods. Fuzzy logic is chosen to answer the uncertainty that occurs in learning subjective student characters. Therefore, the study was

Cited by 1 document

Combination of fuzzy and cognitive theories for adaptive e-assessment

Chrysafiadi, K. , Troussas, C. , Virvou, M.
(2020) *Expert Systems with Applications*

View details of this citation

Inform me when this document is cited in Scopus:

Set citation alert

Related documents

Usability Efficiency Analysis on E-Learning Websites

Kusumastuti, D.L. , Sasmoko , Yossy, E.H.
(2018) *International Journal of Engineering and Technology(UAE)*

A collection operator for type-2 fuzzy logic systems

Wagner, C. , Hagra, H.
(2010) *2010 UK Workshop on Computational Intelligence, UKCI 2010*

A type-2 fuzzy logic based model for renewable wind energy generation

Zaher, M. , Hagra, H. , Khairy, A.
(2010) *2010 IEEE World Congress on Computational Intelligence, WCCI 2010*

View all related documents based on references

Find more related documents in Scopus based on:

Authors > Keywords >

conducted on one e-learning website called sasmoko.com. The e-learning website is a research method course where students from various backgrounds and needs are used. In this study a model was proposed in as-sessing student characters on the sasmoko.com website. © 2018 Authors.

Author keywords

Artificial intelligent; E-learning; Fuzzy logic

SciVal Topics 

Metrics

Funding details

References (27)

[View in search results format >](#)

☐ All

[Export](#)  [Print](#)  [E-mail](#)  [Save to PDF](#) [Create bibliography](#)

-
- ☐ 1 Almohammadi, K., Hagra, H.
An adaptive fuzzy logic based system for improved knowledge delivery within intelligent E-learning platforms

(2013) *IEEE International Conference on Fuzzy Systems*, art. no. 6622350. Cited 24 times.
ISBN: 978-147990022-0
doi: 10.1109/FUZZ-IEEE.2013.6622350

[View at Publisher](#)
-
- ☐ 2 Priya, M.R., Keerthy, G.
Rule-Based Fuzzy Logic for Automatic Learning Process in an E-Learning Environment
(2015) *Int J Adv Res Comput Commun Eng*, 4 (7). Cited 4 times.
-
- ☐ 3 (2014)
Sasmoko Website [Internet]
sasmoko.com
-
- ☐ 4 Chrysafiadi, K., Virvou, M.
(2014) *Fuzzy Logic for adaptive instruction in an e-learning environment for computer programming*, 6706, pp. 1-21.
-
- ☐ 5 Harrati, N., Bouchrika, I., Tari, A., Ladjailia, A.
Exploring user satisfaction for e-learning systems via usage-based metrics and system usability scale analysis

(2016) *Computers in Human Behavior*, 61, pp. 463-471. Cited 159 times.
doi: 10.1016/j.chb.2016.03.051

[View at Publisher](#)
-

- ☐ 6 Kusumastuti, D.L., Tjhin, V.U., Soraya, K.
The role of mobile devices to improve student learning motivation on distance learning ([Open Access](#))

(2017) *ACM International Conference Proceeding Series*, pp. 325-329. Cited 5 times.
<http://portal.acm.org/>
ISBN: 978-145036351-8
doi: 10.1145/3176653.3176729

[View at Publisher](#)
-
- ☐ 7 Dominici, G., Palumbo, F.
How to build an e-learning product: Factors for student/customer satisfaction

(2013) *Business Horizons*, 56 (1), pp. 87-96. Cited 107 times.
doi: 10.1016/j.bushor.2012.09.011

[View at Publisher](#)
-
- ☐ 8 Allen, M.
(2013) *Michael Allen's Guide to E-learning*. Cited 108 times.
Canada: John Wiley & Sons
-
- ☐ 9 Chandrawati, S.R.
(2010) *Pemanfaatan E-learning dalam Pembelajaran*, 8 (2).
<http://jurnal.untan.ac.id/>
-
- ☐ 10 Andriansyah, I.
(2013) *Eksplorasi Pola Komunikasi dalam Diskusi Menggunakan Moodle pada Perkuliahan Simulasi Pembelajaran Kimia*. Cited 3 times.
Universitas Pendidikan Indonesia
-
- ☐ 11 Rosenberg, M.J.
(2001) *E-Learning: Strategies for Delivering Knowledge in the Digital Age*, p. 343. Cited 1072 times.
New York: NY: McGraw-Hill Companies, Inc
-
- ☐ 12 Zadeh, L.A.
Fuzzy sets

(1965) *Information and Control*, 8 (3), pp. 338-353. Cited 66330 times.
doi: 10.1016/S0019-9958(65)90241-X

[View at Publisher](#)
-
- ☐ 13 Zadeh, L.A.
The concept of a linguistic variable and its application to approximate reasoning-I

(1975) *Information Sciences*, 8 (3), pp. 199-249. Cited 11266 times.
doi: 10.1016/0020-0255(75)90036-5

[View at Publisher](#)
-

-
- ☐ 14 Zadeh, L.A.
A new direction in AI: Toward a computational theory of perceptions
(2001) *AI Magazine*, 22 (1), pp. 73-84. Cited 442 times.
<https://onlinelibrary.wiley.com/journal/23719621>
-
- ☐ 15 Chysafiadi, K., Virvou, M.
(2014) *Fuzzy logic in Student Modeling*
Advanced in Personalized Web-Based Education
-
- ☐ 16 Mendel, J.M.
Type-2 fuzzy sets and systems: An overview
(2007) *IEEE Computational Intelligence Magazine*, 2 (1), pp. 20-29. Cited 820 times.
doi: 10.1109/MCI.2007.380672

View at Publisher
-
- ☐ 17 Chrysafiadi, K., Virvou, M.
Evaluating the integration of fuzzy logic into the student model of a web-based learning environment
(2012) *Expert Systems with Applications*, 39 (18), pp. 13127-13134. Cited 43 times.
doi: 10.1016/j.eswa.2012.05.089

View at Publisher
-
- ☐ 18 Song, H., Miao, C., Roel, W., Shen, Z., Catthoor, F.
Implementation of fuzzy cognitive maps based on fuzzy neural network and application in prediction of time series
(2010) *IEEE Transactions on Fuzzy Systems*, 18 (2), art. no. 5352265, pp. 233-250. Cited 92 times.
doi: 10.1109/TFUZZ.2009.2038371

View at Publisher
-
- ☐ 19 Hsieh, T.-C., Lee, M.-C., Su, C.-Y.
Designing and implementing a personalized remedial learning system for enhancing the programming learning
(2013) *Educational Technology and Society*, 16 (4), pp. 32-46. Cited 33 times.
http://www.ifets.info/journals/16_4/3.pdf
-
- ☐ 20 Wang, T.-I.
(2012) *A Fuzzy Logic-based Personalized Learning System for Supporting Adaptive English Learning*
Educ Technol Soc
-

- ☐ 21 DEBORAH, L.J.E.G.A.T.H.A., SATHIYASEELAN, R., AUDITHAN, S., VIJAYAKUMAR, P.
Fuzzy-logic based learning style prediction in e-learning using web interface information

(2015) *Sadhana - Academy Proceedings in Engineering Sciences*, 40 (2), pp. 379-394. Cited 36 times.
<http://www.springer.com/engineering/journal/12046>
doi: 10.1007/s12046-015-0334-1

View at Publisher
-
- ☐ 22 Gray, S.
(2013) *Fuzzy Cognitive Maps as Representations of Mental Models and Group Beliefs*, pp. 29-48. Cited 156 times.
Springer Link
-
- ☐ 23 Zhang, L., Tong, S., Li, Y.
Adaptive fuzzy output-feedback control with prescribed performance for uncertain nonlinear systems

(2014) *International Journal of Fuzzy Systems*, 16 (2), pp. 212-221. Cited 12 times.
http://www.ijfs.org.tw/ePublication/2014_paper_2/ijfs16-2-r-9-20140114093701_v2.pdf
-
- ☐ 24 Chrysafi Adi, K., Virvou, M.
Using fuzzy cognitive maps for the domain knowledge representation of an adaptive e-learning system

(2012) *Frontiers in Artificial Intelligence and Applications*, 240, pp. 257-265. Cited 7 times.
<http://www.iospress.nl/loadtop/load.php?isbn=19057415>
ISBN: 978-161499093-2
doi: 10.3233/978-1-61499-094-9-257

View at Publisher
-
- ☐ 25 Mendel, J.M.
(2001) *Uncertain Rule-Based Fuzzy Logic Systems: Introduction and New Directions*. Cited 2964 times.
Englewood Cliffs, NJ, USA: Prentice-Hall
-
- ☐ 26 Wang, L.-X.
The WM Method Completed: A Flexible Fuzzy System Approach to Data Mining

(2003) *IEEE Transactions on Fuzzy Systems*, 11 (6), pp. 768-782. Cited 211 times.
doi: 10.1109/TFUZZ.2003.819839

View at Publisher
-

□ 27 Wang, L.-X., Mendel, J.M.

Generating Fuzzy Rules by Learning from Examples ([Open Access](#))

(1992) *IEEE Transactions on Systems, Man and Cybernetics*, 22 (6), pp. 1414-1427. Cited 2285 times.
doi: 10.1109/21.199466

[View at Publisher](#)

👤 Sasmoko, ; Primary Teacher Education Department, Faculty of Humanities, Bina Nusantara University, Jakarta, Indonesia; email:sasmoko@binus.edu

© Copyright 2020 Elsevier B.V., All rights reserved.

About Scopus

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

Language

[日本語版を表示する](#)

[查看简体中文版本](#)

[查看繁體中文版本](#)

[Просмотр версии на русском языке](#)

Customer Service

[Help](#)

[Tutorials](#)

[Contact us](#)

ELSEVIER

[Terms and conditions ↗](#) [Privacy policy ↗](#)

All content on this site: Copyright © 2024 Elsevier B.V. ↗, its licensors, and contributors. All rights are reserved, including those for text and data mining, AI training, and similar technologies. For all open access content, the Creative Commons licensing terms apply.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies ↗.

