A Neural network based approach for predicting Indonesian teacher engagement index (itei)

Rabiha, Sucianna Ghadati^{a 🔀} ; Yossy, Emny Harna^{b 🔀} ; Indrianti, Yasinta^{a 🔀} ; Samoko^a Save all to author list

^a Research Interest Group in Educational Technology, Bina Nusantara University, Jakarta, 11480, Indonesia

^b School of Computer Science, Research Interest Group in Educational Technology, Bina Nusantara University, Jakarta, 11480, Indonesia

Full text options ∨ Export V

Abstract

Author keywords

Indexed keywords

SciVal Topics

Metrics

Funding details

Abstract

The Indonesian Teacher Engagement Index (ITEI) is an instrument designed to help teachers detect themselves through self-diagnostics. In this study we use the Neural Network approach to predict Index values and assess parameters in the Neural Network. The analysis of this study is based on several variables including the input layer of the proposed ANN model as many as 28 parameters obtained from the ITEI application related to the teacher index value. After training our network we

Cited by 1 document

Software Effort Estimation of Teacher Engagement Application Rabiha, S.G., Warnars, H.L.H.S., Gaol, F.L. (2022) Lecture Notes in Networks and Systems

View details of this citation

Inform me when this document is cited in Scopus:

Set citation alert >

Related documents

Find more related documents in Scopus based on:

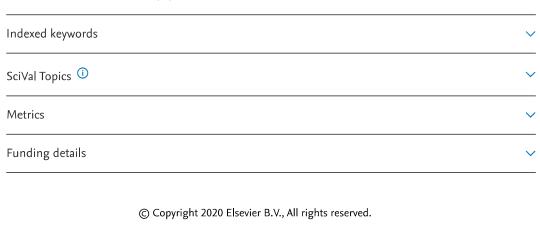
Authors > Keywords >

obtain a Root Mean Square Error of around 0.2%. The best model that can be suggested by the Neural Network to sample the Indonesian Teacher Engagement Index (ITEI) is in the condition when the Learning rate value: 0.3, momentum: 0.5, Number of Hidden Layer: 2 where the number of Neurons in layer 1 is 6 and Neuron in layer 2 is equal to 6. © 2019 IEEE.

Author keywords

Neural Network; Teacher Engagement

⟨ Back to results | ⟨ Previous 113 of 182 Next ⟩



∧ Top of page

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, Al 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 ¬.

€ RELX™