M Gmail   **Pratya Nuankaew <nuankaew.p@gmail.com>**

International EdTech Conference 2023 : Submission (37) has been created.
1 message

Microsoft CMT <email@msr-cmt.org>   Fri, Jun 30, 2023 at 11:27 AM
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Hello,

The following submission has been created.

Track Name: IEdTC2023

Paper ID: 37

Paper Title: Ensemble Learning Approaches to Strategically Shaping Learner Achievement in Thailand Higher
Education

Abstract:
This research has 3 objectives: to study the context of students' academic achievement in science and technology
at the higher education level, to assemble a model to predict the risk of students dropping out of higher
education, and to evaluate a model for predicting the risk of student dropping out from higher education. The
sample were 2,361 students' academic achievements from 5 educational programs of the Faculty of Science and
Technology. The research tool utilized data mining and supervised machine learning techniques. Model performance
was evaluated using the cross-validation approaches and confusion matrix techniques. The results showed that
learners' context in science and technology had various learning achievements. The educational program that needs
to be monitored is the Bachelor of Science Program in Computer Science. This research successfully developed a
predictive model for student dropout risk with an accuracy of 88.14% and an S.D. equal to 1.04.

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Authors:
      - sittichai@cs.rmu.ac.th
      - patchara@cs.rmu.ac.th
      - wongpanya.nu@up.ac.th
      - phaisarn.je@up.ac.th
      - pratya.nu@up.ac.th (Primary)

Primary Subject Area: MAIN CONFERENCE - EdTech

Secondary Subject Areas: Not Entered
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Submission Questions Response:
1. Tracks
The Research Track

Thanks,
CMT team.