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

1 message

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Fri, Jun 30, 2023 at 11:27 AM

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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Primary Subject Area: MAIN CONFERENCE - EdTech

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Submission Files: IEdTC [2023\\_PID\\_00@ietc2023.semintelligence.org](mailto:2023_PID_00@ietc2023.semintelligence.org) (01) - 1stDraft [2023-06-29].pdf (174 Kb, Fri, 30 Jun 2023 04:27:38 GMT)

**Submission Questions Response:**

1. Tracks  
The Research Track

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