
6th International Conference on Data Engineering and Communication Technology (ICDECT-2025) : Submission (339) has been created.

1 message

Microsoft CMT <noreply@msr-cmt.org>
To: pratya.nu@up.ac.th

Sun, Nov 2, 2025 at 5:19 AM

Hello,

The following submission has been created.

Track Name: ICDECT2025

Paper ID: 339

Paper Title: Utilization of DASS-21 for a Monitoring and Alert System on Mental Health of Students in Thai Private Universities Using Academic Achievement and Digital Behavior Data

Abstract:

This research developed a prototype framework for monitoring and alerting mental health issues among Thai undergraduate students by integrating data from the DASS-21, academic achievement, digital behavior indicators, and documentation tools. The analysis involved data cleaning, correlation analysis, and the design of machine learning models for prediction and alert generation. Results showed high correlations among DASS-21 dimensions ($r = 0.79-0.84$), indicating overlapping distress, while correlations with GPA, year, and digital indicators were minimal, suggesting non-linear relationships. The study proposes creating indices such as screen time, LMS Engagement, and Non-academic Activity to support models with variable interactions and feature descriptions. A tiered alert system was designed based on signal convergence from DASS-21, GPA, and digital behavior. Feasibility was evaluated using performance indices and user satisfaction surveys. This study provides methodological and operational tools for monitoring the mental health of Thai private university students.

Created on: Sat, 01 Nov 2025 22:19:36 GMT

Last Modified: Sat, 01 Nov 2025 22:19:36 GMT

Authors:

- daranee.ben@bkkthon.ac.th
- poykwan.jed@bkkthon.ac.th
- wongpanya.nu@up.ac.th
- thapanapong.sa@up.ac.th
- pratya.nu@up.ac.th (Primary)

Secondary Subject Areas: Not Entered

Submission Files:[ICDECT_2025_PID_xx@icdect.com](#) - 1stDraft [2025-11-01].pdf (473 Kb, Sat, 01 Nov 2025 22:19:27 GMT)

Submission Questions Response: Not Entered

Thanks,
CMT team.

Please do not reply to this email as it was generated from an email account that is not monitored.

To stop receiving conference emails, you can check the 'Do not send me conference email' box from your User Profile.

Microsoft respects your privacy. To learn more, please read our [Privacy Statement](#).Microsoft Corporation
One [Microsoft Way](#)
Redmond, WA 98052