

# THE AWARDS ASIA 2022

## Teaching and Learning Strategy of the Year

<b>Institution name</b>	National University of Singapore (NUS)
<b>Submission title or project name</b>	Intelligent Adaptive Learning Platform (IALP)
<b>Nominee/key personnel</b>	Associate Professor Yang Miang Goh; Senior Lecturer Alexander Lin; Associate Professor Qizhang Liu; Ms Xinping Hu; Mr Satya Radhakrishna; Mr Michael Yu Guang Lim; Ms Miew Cheng Leong; Mr Junjue Xiang; Ms Sufiana Safiena.
<b>URL</b>	<a href="https://cde.nus.edu.sg/db/cpfm/sarru/projects/ialp-proj/">https://cde.nus.edu.sg/db/cpfm/sarru/projects/ialp-proj/</a> <a href="https://luminus.nus.edu.sg/">https://luminus.nus.edu.sg/</a> <a href="https://news.nus.edu.sg/two-new-colleges-at-nus-to-deliver-flexible-interdisciplinary-education-more-accessibly-and-at-greater-scale/">https://news.nus.edu.sg/two-new-colleges-at-nus-to-deliver-flexible-interdisciplinary-education-more-accessibly-and-at-greater-scale/</a>
<b>Submission</b>	<p>NUS has identified flexible, interdisciplinary learning as a critical pillar of its teaching and learning strategy. In addition, remote learning is becoming essential due to the ongoing COVID-19 pandemic. Thus, we identified adaptive learning (AL) as an essential method to facilitate flexible, interdisciplinary learning.</p> <p>AL uses computer algorithms to satisfy the diverse learning needs of students while providing automation and support to instructors. Thus, a cross-departmental team from the NUS Department of the Built Environment, Business School, and Centre for Instructional Technology developed the Intelligent Adaptive Learning Platform (IALP).</p> <p>The IALP was successfully launched on LumiNUS, NUS' custom-developed Learning Management System, in 2021 for the module PF2102 Structural Systems. Some of the features include personalised proficiency tagging, clustering of students using unsupervised learning algorithms, personalised recommendations for learning, analytics on student participation, automatic tutorial discussion grouping, and forum recommendations.</p>