

1. Preface

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1.1 CITE Introduction



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Overview

The Centre for Information Technology in Education (CITE) was established in June 1998 to provide intellectual leadership and support to promote the use of information and communication technology (ICT) for quality education in Hong Kong.

CITE supports several quality academic programmes coordinated by the Faculty of Education. These programmes are offered to teachers, educators, and education-related professionals to meet their increasing needs and interests in further pursuing their studies. It is hoped that these professionals can be equipped with necessary academic and professional knowledge about IT in education.

In addition, the Centre provides in-service professional development training to teachers and principals in the use of IT in teaching and learning. Besides, CITE is also committed to providing consultancy services to the community on various aspects of the development of the educational use of IT. The goal is to establish close connections with the education, technology, and business sectors of the community at large.

Vision

CITE carries a vision to become a Centre of Excellence in the area of IT in education.

Mission

1. To stimulate and undertake research and development projects, and to disseminate the research products and findings to the education community both locally and internationally.
2. To provide quality in-service teacher/principal education programs for the upgrading and retraining of school teachers/principals so that they will be capable of integrating IT in their teaching practices and strategic school planning.
3. To establish links and partnerships locally and internationally to further strengthen and enhance CITE's profile and image internationally.

1.2 IDEALS Introduction

[Intelligent DEsign-Aware Learning analytics empowered 21C Learning & Teaching System \(IDEALS\)](#) is an intelligent system designed to enhance learning and teaching experiences.

Watch this video to know more about **IDEALS**.

<https://www.youtube.com/embed/A9Mrktw3Rp4>

Starting September 2025, the **IDEALS platform is available for public subscription**, empowering educators—especially primary and secondary school teachers—to create structured, outcome-aligned learning experiences.

[Click here to subscribe!](#)

Workflow of Intelligent DEsign-Aware Learning analytics empowered 21C Learning & Teaching System (IDEALS)

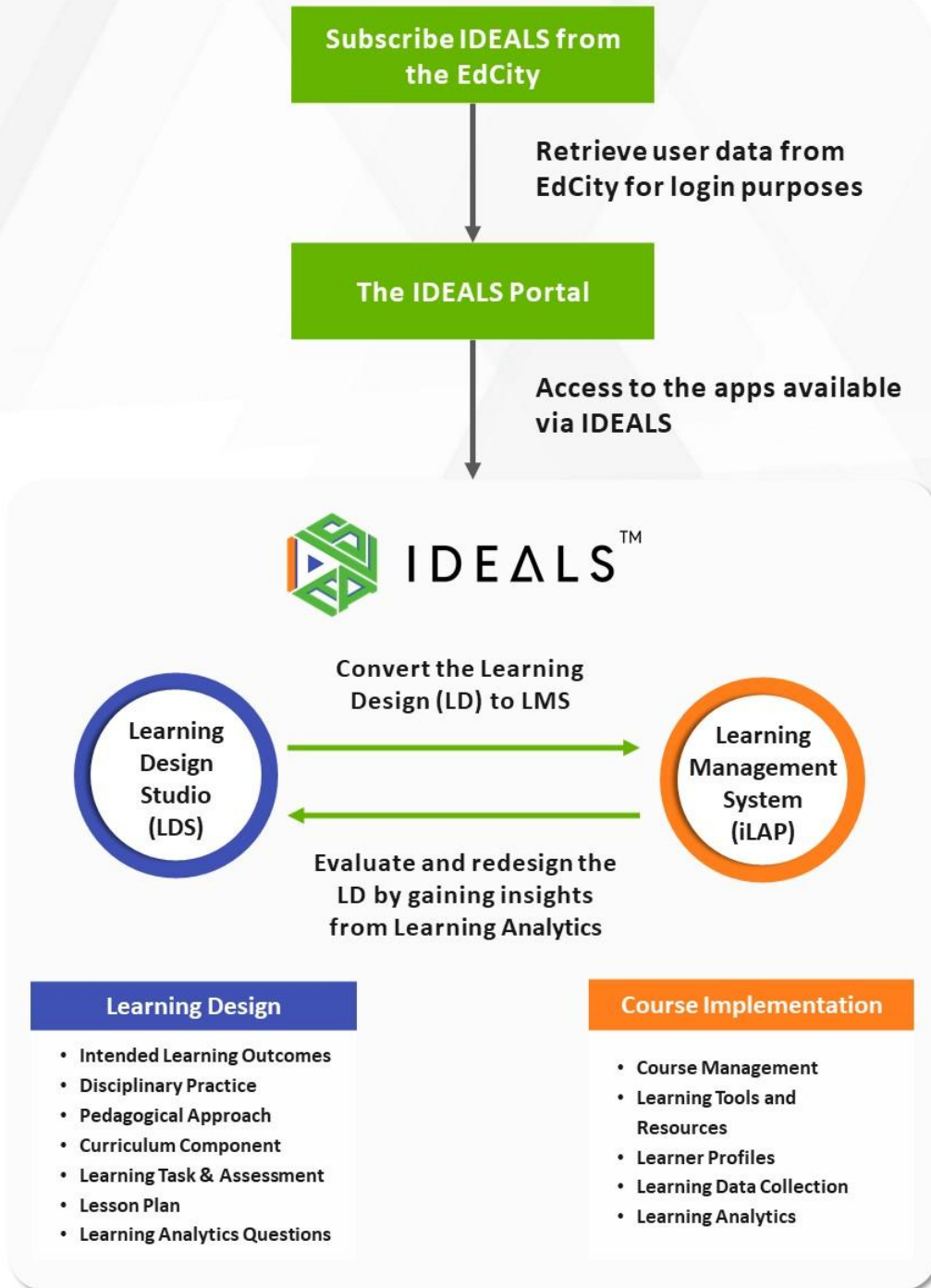
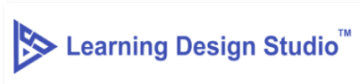


Figure 1.1 Workflow of IDEALS

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Two main platforms of **IDEALS** have been well-known by our users: **Learning Design System (LDS)** and **Interactive Learning and Assessment Platform (iLAP)**. The last part of the system is the **Design-aware Learning Analytics and Visualization (DLAV)**. Through a suite of learning analytics plug-ins, it supports learning design evaluations and refinement recommendation for teachers.



Learning Design Studio (LDS) is a pedagogically grounded productivity and collaboration platform for professionals in the Learning Design (LD), Learning Analytics (LA), and Education communities (particularly those interested in using LD to support Teacher Inquiry of Student Learning (TISL)).

The platform provides users with easy-to-use learning design patterns for various subjects, supplemented by guidance on setting learning outcomes, curriculum components and visual analysis on learning design.



Interactive Learning and Assessment Platform (iLAP) serves as a versatile learning management system that can be accessed by both teachers and students. The LDS and the iLAP are interconnected, enabling the selected tools in the LDS to be conveniently transferred into usable tools on the iLAP, which then collect student learning data for learning analysis.