

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.

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

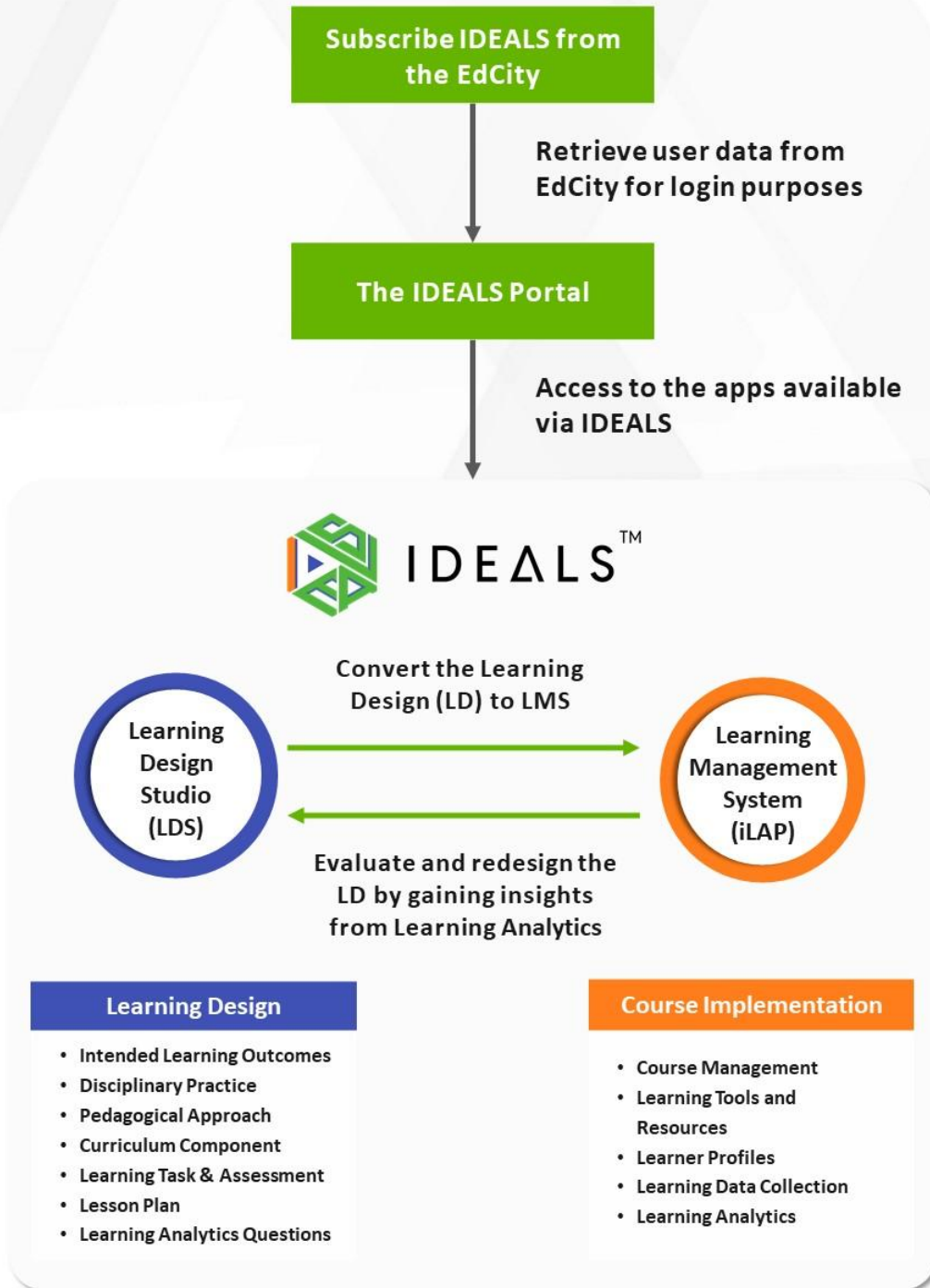


Figure 1.1 Workflow of IDEALS

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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.

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