

Intelligent DDesign-Aware Learning analytics empowered 21C L&T System (IDEALS)

Parents Assent and Information Sheet

20 Aug 2024

Dear Parent/Guardian,

We are a team of teacher educators and researchers from the Centre for Information Technology in Education (CITE) of the Faculty of Education, the University of Hong Kong to conduct the project “Intelligent **D**esign-Aware **L**earning analytics empowered 21C L&T System”. The project aims to provide primary and secondary schools with the complete set of tools they need for e-learning design, implementation, assessment and learning-analytics-based feedback support to students, teachers, and school leaders.

Your child’s school has accepted our invitation to participate in the project. We would like to invite your child to participate in the study. If he/she agrees to participate, he/she will be invited to complete following activities:

1. A usability survey on the functionalities of IDEALS (~20 minutes). Your child may also be invited to participate further in a focus group or individual interview (~25 minutes, audio-recorded) as necessary to gather further feedback;
2. Participate in classes that use the IDEALS system and are selected by the teacher for classroom observations (video-recorded and photo-taking) and in focus group interviews if selected (~15 minutes, audio-recorded); allow the research team to collect samples of your child’s assignments and related artifacts produced;
3. Allow the research team to access and analyze your child’s learning data on IDEALS for evaluation of the usefulness of the system;
4. Pre and post-project online questionnaire surveys for students (~20 minutes each) to collect data on how they have made use of the IDEALS functionalities, challenges encountered and suggestions for improvement. Some students may also be invited to participate in follow-up individual or focus group interviews if necessary for clarification (~20 minutes each, audio-recorded).

The data collected through these activities will be used solely for the purposes of research and system development. To ensure confidentiality, all the data and consent forms will be stored electronically and password-protected. All the hard copies will be stored in locked cabinets. Only members of the research team will have access to the data and forms. All the data will be anonymized for research purposes. The data containing personal identifiers will be destroyed five years after publication of the first research paper based on the data. Anonymized data will be retained indefinitely. Participation in the above-mentioned activities is entirely voluntary and you can choose to terminate your child’s participation anytime without any negative consequences. If you do not agree with your child being video-recorded or photo-taking, we will arrange for your child to be outside the camera view or for your child’s image to be blurred. You have rights to

review and erase your child's photos and part of the entire recordings your child is involved in. If you have any questions about this project, please feel free to contact Dr. Rachel KO of the Centre for Information Technology in Education (CITE), at 3917 5113. If you want to know more about your child's rights as a research participant, please contact the Human Research Ethics Committee of the University of Hong Kong at 2241-5267 (HREC Reference Number: EA230080).

If you do not agree to your child's participation in this study, please inform your child's school to make appropriate arrangements.

Yours faithfully,



Professor Nancy Law
Principal Investigator
Associate Dean (Research), Faculty of Education
Deputy Director, Centre for Information Technology in Education
The University of Hong Kong