

**INFORMED CONSENT**

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**Name of research:** PyramidApp Collaborative Learning Activity  
**Principal investigator:** Ishari Amarasinghe (ishari.amarasinghe@upf.edu)  
**Supervisor:** Davinia Hernández-Leo (davinia.hernandez-leo@upf.edu)  
**Institution:** Universitat Pompeu Fabra.  
 Pl. de la Mercè, 12. 08002 - Barcelona

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**I HEREBY CONFIRM THAT:**

- I have read the information sheet (Annex: *Information Sheet*) regarding the research activity,
- I have been able to ask and have answered questions about my participation in the activity,
- I have received enough information on the activity to inform my decision to participate,
- If I have any question about the research, I may contact: ishari.amarasinghe@upf.edu

I UNDERSTAND that my participation is voluntary and I can omit answers to any question, opt-out of any activity, and withdraw my participation from the activity at any time without any need to justify my decision.

I UNDERSTAND that my non-sensitive data from the activity including questionnaire, log data recorded electronically during collaborative learning activity conducted using the PyramidApp tool and researcher observations will be shared as Open Data in scientific repositories as anonymous data. This anonymous data may be used by third parties under a Creative Commons Attribution 4.0 International License (CC BY 4.0).

I GIVE MY CONSENT to participate in the current collaborative learning activity.

**Email:**

**Name and surnames:**

**Signature:**

**Place and date:**

**The data controller** is Pompeu Fabra University. Pl. de la Mercè, 12. 08002 Barcelona. Tel. (+34)935 422 000. You can contact UPF's Data Protection Officer by sending an email to [dpd@upf.edu](mailto:dpd@upf.edu). **The purpose of processing** your data is for research. We will only keep personal data for 5 years. **As the data's owner**, you can stop your consent at any time. Your personal data will only be processed by Pompeu Fabra University and the teachers of your classes. Your personal data will not be shared with others without your consent, except in situations in which sharing your data is required by law. **Rights:** You can access, update, copy, and erase any of the personal data you share. To do so, send an email with your request to UPF's General Manager ([gerencia@upf.edu](mailto:gerencia@upf.edu)). You can also file a complaint with the Catalan Data Protection Authority if you think we have not properly managed your data rights.

## ANNEX: INFORMATION SHEET

<b>Name of research:</b>	PyramidApp Collaborative Learning Activity
<b>Principal investigator:</b>	Ishari Amarasinghe (ishari.amarasinghe@upf.edu)
<b>Supervisor:</b>	Davinia Hernández-Leo (davinia.hernandez-leo@upf.edu)
<b>Institution:</b>	Universitat Pompeu Fabra. Pl. de la Mercè, 12. 08002 - Barcelona
<b>Funded by:</b>	Proyectos de I+D Excelencia, y Proyectos de I+D+i Retos (SmartLET)
<b>Motivation and duration:</b> <i>An effort to enhance student's Computer Supported Collaborative Learning engagement</i>	This activity is a part of the doctoral research of Ishari Amarasinghe undertaken to analyze how students' collaborative learning activity engagement varies when enacting collaborative learning scripts and how teachers can be facilitated to orchestrate scripted collaborative learning activities in real-time using a Learning Analytics (LA) tools. The total duration of the research is 2 years, ending in 2021.
<b>Research objectives:</b> <i>Focussed on collaborative learning &amp; learning design</i>	The three main objectives of the research are listed below: (1) To investigate how student's (+15 y.o) collaboration engagement varies while enacting a collaborative learning script, in order to suggest relevant orchestration mechanisms; (2) To evaluate how orchestration mechanisms proposed can facilitate teachers when orchestrating scripted collaboration; (3) To evaluate how the proposed orchestration mechanisms impact student's collaborative activity engagement; The thesis contributes to research on Computer Supported Collaborative learning design and Open Science.
<b>Methodology and procedures:</b> <i>For a 15-minutes session you will orchestrate the collaborative learning activities deployed in classrooms using "PyramidApp" tool. At the end of activity you may answer a questionnaire and participate in a semi-structured interview.</i>	During a single, 15-minute session, you are required to monitor the collaborative learning activity engagement of students using a LA tool i.e. a dashboard application. The low engaging groups will be notified to you in real-time through the dashboard and you can encourage students to participate in the activity via posting messages in the group discussion board. The dashboard offers you 3 different types of controls namely, pause, time and end control. Pause control allows you to pause an ongoing collaborative learning activity. Time controls allow you to change the activity enactment time if it's required in real-time. End control allows you to end the on-going collaborative learning activity and exit the flow of collaboration. At the end of a collaborative learning session you may complete a post-activity questionnaire and participate in a semi-structured interview. The responses collected from the questionnaire and interview will be used to identify the challenges associated with collaboration orchestration in classroom sessions and to evaluate the perceived usefulness of the dashboard application.

**Collected Data**

*The data we collect includes the data indicated here*

Your non-sensitive data from the activity, including questionnaire and semi-structured interview responses, use of dashboard controls ( will be interpreted using log data and dashboard screen recording), and activity observations will be collected, analysed and shared as Open Data in scientific repositories as anonymous data. This anonymous data may be used by third parties under a Creative Commons Attribution 4.0 International License (CC BY 4.0).

The Research Group on Interactive and Distributed Technologies for Education (TIDE) at Universitat Pompeu Fabra (UPF) may also use your data in scientific publications, data models, and contributions to Open Science.

**Risks and benefits:**

*Risks exist anytime personal data is shared. You will get a chance to understand students collaborative learning activity engagement and to intervene in low-performing groups.*

By participating in this experiment, you will get a chance to better understand students' collaborative learning activity engagement. The LA tool, i.e. dashboard application allows you to orchestrate collaborative learning activity in real-time and facilitate your direct intervention into low-performing groups.

A risk that personal data may be accessed by unauthorized persons exists anytime personal data is shared. Security measures will be taken to minimize this risk.

**Privacy:**

*Data that may be used to directly identify you such as your orchestration activities will not be shared nor made public.*

To protect your privacy, we will not identify you by your name but by a code that will only be known among researchers of the current activity. We will store your data in a secure place digitally with safe access control mechanisms so that these can only be consulted by researchers of the current activity. We will maintain the security of the data in accordance with the guidelines set by the National Data Protection Commissioners\* and will destroy the non-anonymized data in 5 years. Only anonymous data will be shared in open repositories and data publication. The sharing of data will extend the benefits derived from the time and data you have contributed.

**Voluntary participation:**

*You may stop or opt-out of the activity at any time. No reason needs to be given.*

Your participation in this activity is **entirely voluntary**, you have the right to omit answers to any questions in the questionnaire and interview and opt-out of any activity or the entire activity at any time without the need to justify your decision. Your participation or withdrawal will have no effect on your academic, professional or personal standings. **Refusal to participate in the activity will not have any negative consequences.** You may revoke your consent at any time by notifying the principal investigator, Ishari Amarasinghe, in person or by writing to [ishari.amarasinghe@upf.edu](mailto:ishari.amarasinghe@upf.edu) or [davinia.hernandez@upf.edu](mailto:davinia.hernandez@upf.edu).

**Data Subject Rights**

*If you feel that your rights are violated, you may contact the agency set out here*

You have the right to limit how your personal data is used. You have the right to access a copy of any personal data collected. You have the right to have your personal data corrected or deleted. You have the right to stop the processing of your data. Your rights are set by applicable legislation. You can exercise your rights by sending an email to [gerencia@upf.edu](mailto:gerencia@upf.edu). If you feel that your rights have been violated, you can make a complaint to the Catalan Data Protection Agency. The agency can be emailed ([apdcat@gencat.cat](mailto:apdcat@gencat.cat)) or written to (Autoritat Catalana de Protecció de Dades, C/ Rosselló, 214, Esc. A, 1-1, 08008 Barcelona, Spain).