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Attendance Tracking in Moodle for a Training Program with French Universities

Sunday, 1 March 2026 09:00 (25 minutes)

SONATE is a preparatory program for the Diploma of Access to University Studies offered by a pool of 16 French public Universities that are operating together since 2018. It is intended for people who stopped their studies before the Baccalaureat and who wish to resume higher education. The training is designed to be completed fully online over 8 months and covers 20 different subjects.

All the courses are hosted on a Moodle platform, which welcomes over 1,000 students from the partner universities each year. The courses are self-paced, and each subject offers dedicated tutor support.

Some of the students receive funding that covers their training fees. In return, the funding organizations require proof of course attendance and reports on the time students spend on the platform.

We have developed a calculation scale for student attendance based on Moodle logs. Given the fully online nature of the training, students interact with a large amount of e-learning material and thus, generate a significant volume of logs.

This allows us to generate daily attendance reports, which the administrative staff can download and forward to the funding organizations.

These logs are therefore essential for verifying student activity. Given the large volume of logs recorded throughout the training, we had to offload them to an external system to prevent Moodle from slowing down. Normally, log tables should be purged regularly to prevent performance issues in the platform's administration interface.

Our solution consists of a Moodle plugin that exports relevant logs to an external system, handles time report requests, and processes the returned data to generate the final output files.

The other part of the solution concerns the technical implementation (server interoperability and the program used to receive logs). An explanation of the system setup with which our Moodle platform interacts will be provided.

発表日の希望 / Preferred Day

いずれの日でも結構です / Either day is fine

MAJ R&D Grant

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Author: DUVERNEIX, Pierre

Co-author: BEILLEVAIRE, Vincent (Fondation UNIT)

Presenters: DUVERNEIX, Pierre; BEILLEVAIRE, Vincent (Fondation UNIT)

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