

Digital Teaching and Testing

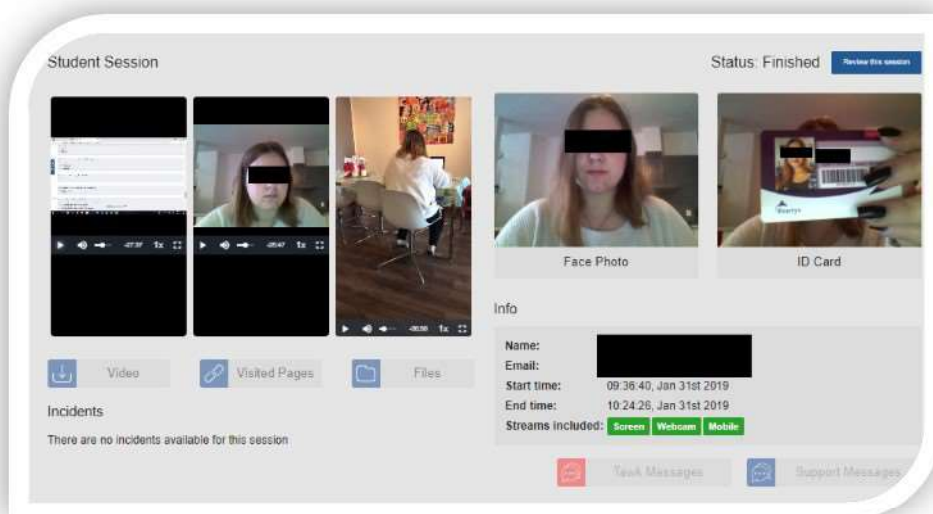
As part of the educational vision of FIBS, we have the aim to go more digital. Thus, digital teaching and testing are part of this ambition. Last year, while IB students were doing their internship all over the world. So, we decided to remotely provide them with online learning material to help them with business research. We made films, exercises, links and slideshows available on a separate Fontys Connect site.

Content modules



We were able to offer a remote exam to test their knowledge levels. How did we do that?

A project, called **OP4RE**, funded by the European community, set up a pilot for online testing. IB was able to participate and make use of the existing knowledge and software. Two types of software were used: software related to the content of the online exam, which allowed immediate grading, but also software for invigilation. We were trained thoroughly on all relevant aspects of online remote testing, also in view of GDPR. We then developed exam questions and instruction materials, explaining the new procedure to both students and teachers. Then we opened the exam up to students, which was an exciting moment for us. Students could take it at anytime and anywhere within a week's time frame with a maximum of three tries. With every try, a random exam was created from the exam database.



After the students took the test, we were able to check for fraud. The invigilation software allowed us to view a student's screen, their webcam and the student from behind by means of their smartphone camera (see picture above). From the 215 students that took the test, only one committed fraud by Googling answers to the exam questions, which was maybe not the smartest move of this student. Meanwhile, we ran the online test twice, learned from every try and improved the procedures further. Despite having doubts about this new way of working at first, students were mostly happy with the online test.

The future of online testing at FIBS remains open. Even though the European pilot is over, FIBS likes to continue testing online. A Fontys wide project has been started and a European tender is in process as well.

We expect that in five years', from now not only digital testing, but also digital teaching will be business as usual.

Marjolein van Nieuwkastele (FIBS-IB)
André Diedrichs, Information Manager FIBS