

THE PERSONAL RESPONSE SYSTEM IN COMBINATION WITH THE SMART BOARD

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ABSTRACT: Spread of new technologies in education, and intelligent table system response InterwriteWorkspace and its associated personnel PRS IR have determined, evaluation techniques, interactive. This paper proposes interactive evaluation technique, using remote personal response of each student learned in the bank to obtain a real-time feedback.

KEYWORDS: smart board, evaluation, assessment.

1 INTRODUCTION

Laboratory of physical, with a smart board, was, for me, a teacher challenge in my approach. This approach has a traditional and a modern component. Lessons have remained traditional in content but have become modern in form.

2 THE PRS IR EVALUATION SYSTEM IN COMBINATION WITH THE SMART BOARD

PRS IR evaluation system associated with the smart board is made of a set of transmitters that transmit in the Infrared the Personal Responses of each Student by the computer through a capture device. Responses are captured, processed and then stored by InterwritePRS program.

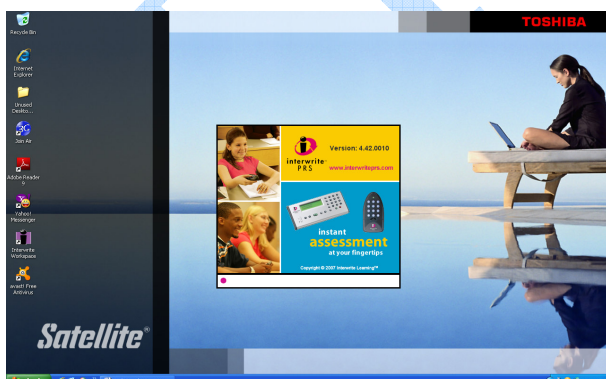


Figure 1. PRS IR evaluation system associated with the smart board

With it I created a demonstrative lesson for the unit *Movement and rest*:

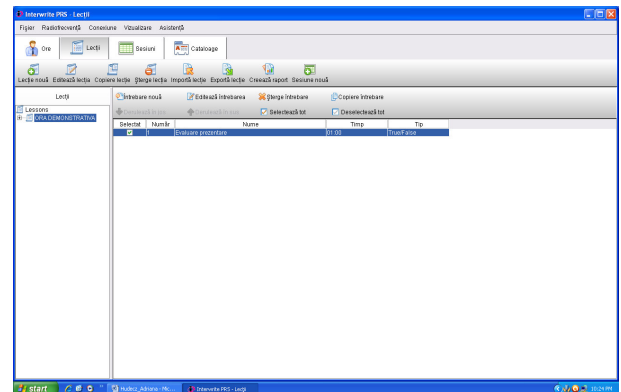


Figure 2. The demonstrative lesson

The type of question that I have chosen was the multiple choice type, meaning that more options form the correct answer, during 2 minutes, scoring the points, it can be done in percentage and I decided the student may have two opportunities to answer, in case he rushed or pressed twice; otherwise the previous answer is cancelled.

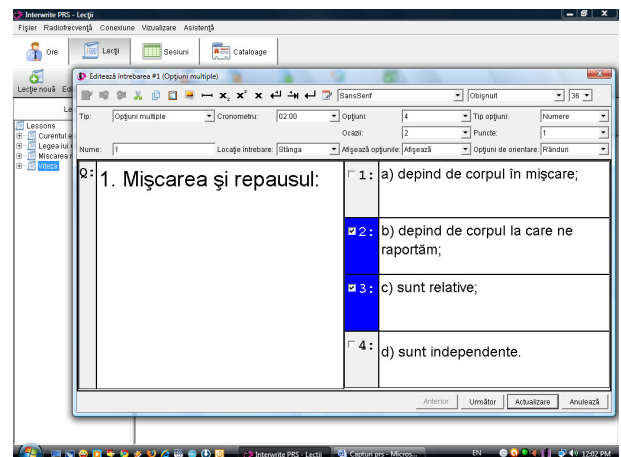


Figure 3. Questions

For pupils or students' query is initiated a new session:

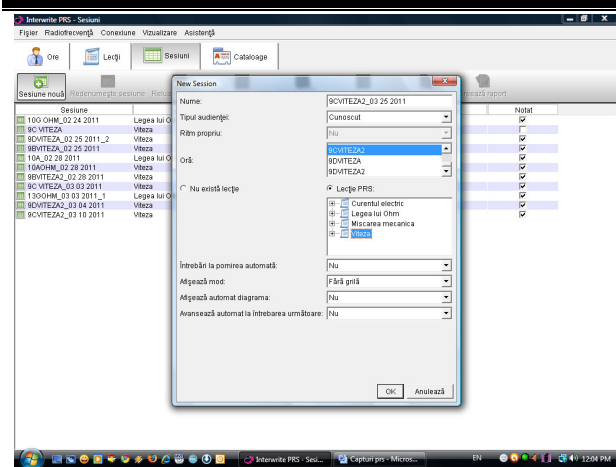


Figure 4. The initiation of a new session

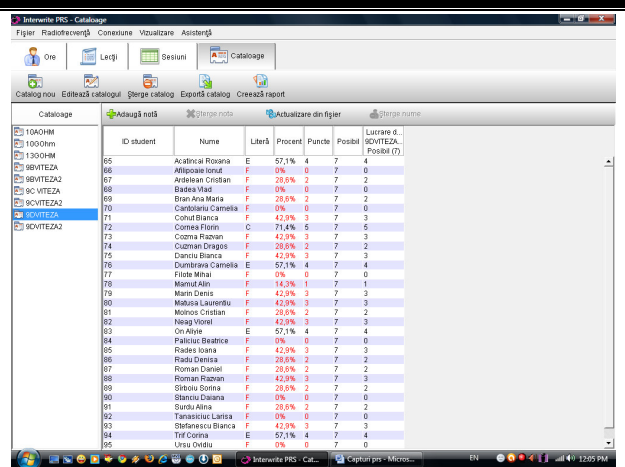


Figure 7. The completion of the class register

This means the start of the session, during which the students respond by pressing keys 1, 2,3 or 4 of the remotes to form the complete answer to the question.

You can also create various reports using the student's ID or name, or each student's individual page.

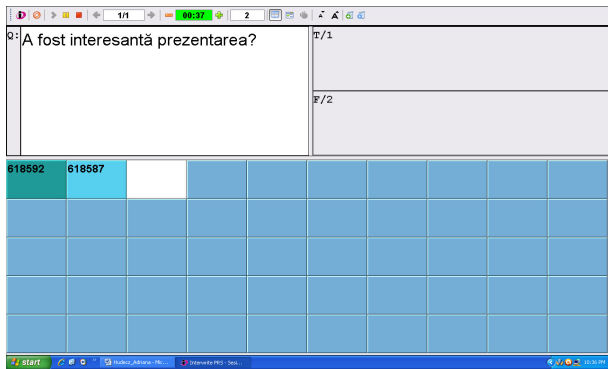


Figure 5. The students' response

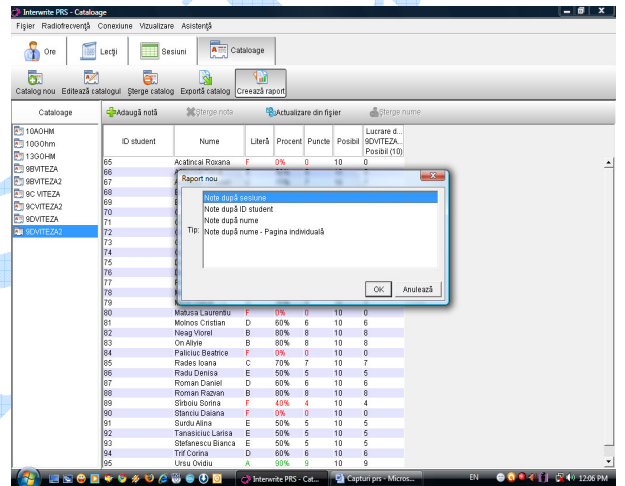


Figure 8. Reports

During the session you can choose to display the ID associated with each student's remote. At the end of the session can be displayed the Replies Diagram, as a percentage or numerical, a form of a chart or table

Or notes after the session:

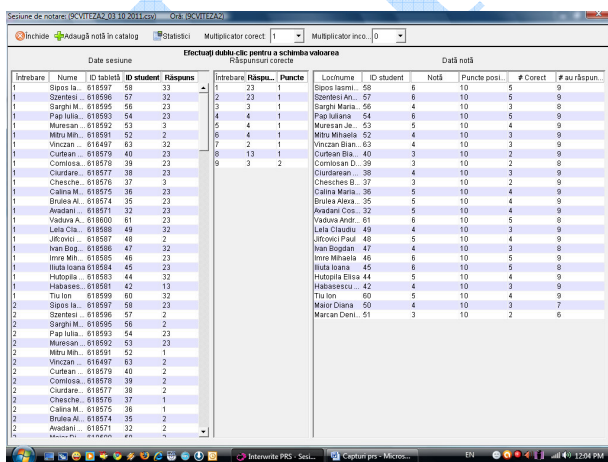


Figure 6. The students' final response

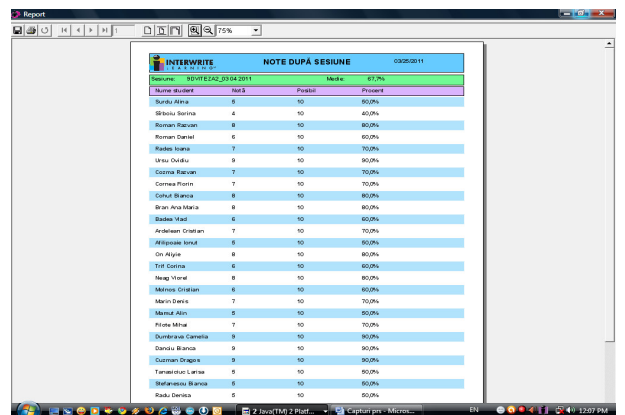


Figure 9. Notes

It can be saved to be added to the class register.

From the methodological point of view, evaluation is a frontal assessment .

3 THE PRS IR IMPACT ON ASSESSMENT TECHNIQUES

The versatility of the technology can be used to measure each objective proposed. Depending on the degree of achievement of this, the teacher can decide on coming again to it or reinforcing knowledge.

Thus the design of teaching is dynamic, student-centered, in accordance with current requirements of the European education.

The student-centered approach asks for an active learning style where students express a desire to share with the others what they experience, and this leads to new connections to support understanding. They accede to deeper understanding when they have opportunities to explain and even to teach other colleagues what they learned. Thus, the individual can change his public image by doing and learning, and this is done step by pas. The prestige stands as a school that prepares good students. The quality of students is determined, invariably by the teachers' quality/value and by the quality of the teaching materials used. The advantage of these lessons is that they go out from the rigid background usually associated with the experiments that are made in school.

It is another way to learn, more active and more attractive, which could spark more the students' attention, if they could be used as supporting material in any teaching activity. Lessons conducted by a teacher in another application can be imported and presented in an attractive manner to the students. The teacher can project images or maps with a specific computer program for a certain school subject and even information captured in real-time on the Internet. The intelligent board improves efficiency and saves time of presentation, being successfully integrated in any sequence of a lesson. It can also be used very easily in the evaluation of students, because the intelligent board provides many statistics regarding the concepts evaluated by the teacher.

So we have true reasons to integrate the smart board in our daily teaching, thus creating the ground for important feedback from the students.

The smart board associated with the evaluation system, improves efficiency and saves time of presentation, it can be successfully integrated in any sequence of lessons. Can also be used very easily in the initial evaluation work of students, it provides multiple opportunities to analyze the results: after class media distribution within certain scoring notes, after some evaluation items, without disclosing the identity of students, or on the contrary, making an

individualized analysis to draft action plan to improve academic results.

REFERENCES

- [Cer98] **I. Cerghit** - *Metode de învățământ*, E.D.P., București, 1998
- [Hai81] **L. D'Hainaut** - *Programe de învățământ și educație permanentă*, E.D.P. București, 1981
- [Iuc01] **R. Iucu** - *Instruirea școlară- Perspective teoretice și aplicative*, Polirom, Iași, 2001
- [Joi99] **E. Joița** - *Eficiența instruirii*, E.D.P., București, 1999
- [Sta99] **M. Stanciu** - *Reforma conținuturilor învățământului. Cadru metodologic*, Polirom, Iași, 1999
- [***] <http://iwl.einstruction.com/support/wstutorials.html#vids>