

proposed system could assist a wide range of users, and it could be applied concurrently in 45 minutes to 6 subjects without the presence of the specialist at the site of application.

IV. CONCLUSION

The proposal of implementation to the exercises based on a primitive model assists the specialist in their creation. Since this system reduces the time used to design and implement the exercises, these can be applied to the student whenever a new version is required. It also showed that it is possible to apply the test in a class simultaneously, and it could reduce the time required to obtain feedback in a teaching process. It will let identify specific cases that may require further attention.

This system will provide new information to the specialist because it gives a more detailed follow-up of the student's performance during the process. In the pilot test, it was expected that a small improvement would be presented by applying the diagnostic battery again after carrying out the improvement exercises. However, not only an improved performance was observed, but the main deviation of the data was also reduced. Then a more accuracy in the responses is obtained.

This work proved that the concept raised by software specialists and designers is feasible into an interdisciplinary team. Therefore, it is a tool for knowing more about the students' cognitive abilities. Future studies must generate more extensive protocols to conclude the application effects of this type of system in the educational field quantify their benefits.

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