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EVALUATION REPORT ON TESTING ACTIVITY IN ITALY

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ABSTRACT

Report about the evaluation of the MathE portal provided by students and teachers of the University of Genova

1 – Introduction

The evaluation of the MathE portal has been addressed to two different target groups: first-year students of Mathematics and Physics, and lecturers. The students were selected among those who attended an assessment activity we organized as a preparation for the mid-term exam of a course we are teaching. The lecturers were selected among those with whom we had several conversations and tests with the MathE portal, and that participated in the community of practice activities or used the MathE portal for their own tests. In both cases, the recruiting was volunteer-based.

The result of the recruiting is the following: 169 students and 8 lecturers were recruited, all at the University of Genova. The lecturers are equally distributed among Researchers and Professors.

2 – Activities with teachers and students

We involved the students in two different activities: one was a self-assessment activity that took place in January 2021, in order to let the student practice with the portal and to show them how to create their own self-assessment. The second activity was a final assessment we created using questions already in the MathE database that we used as an admission test for our exam. We moreover showed the students how to access the videos on the MathE portal and suggest them possible ways to use them for their own improvement.

3 – Evaluation

As one may see from the Role graph, among all the recruited persons the 60% is composed by students, and the 40% is composed by lecturers. The evaluation of the student's assessment toolkit, of the online video library and teaching material and of the community of practice presents a very homogeneous appearance: in all the cases we may see that the average note is 8 or a bit more.

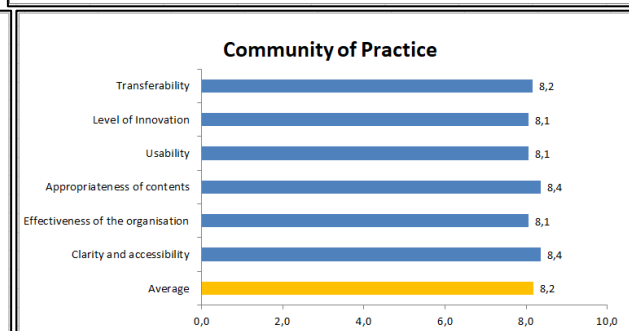
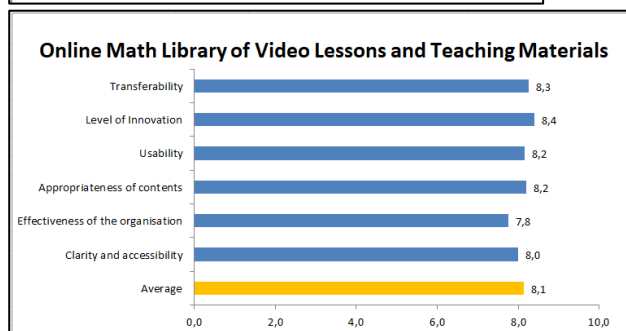
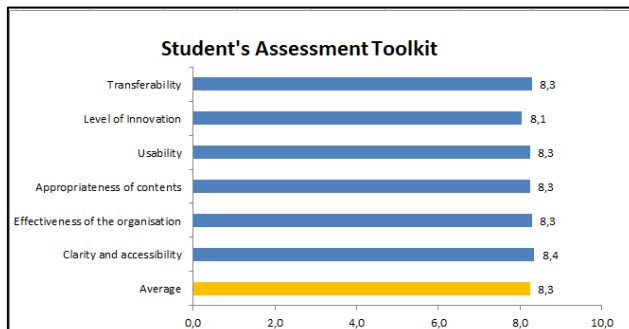
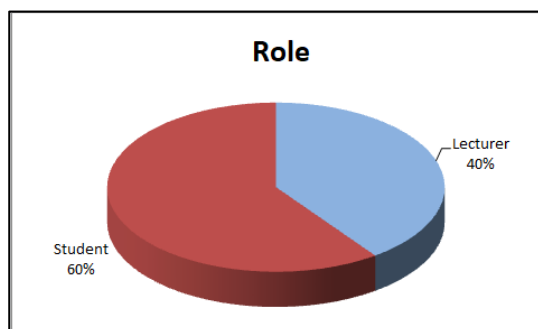


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3 – Conclusion

We may conclude that all the aspects of the MathE portal (community of practice, online video library and teaching materials, student's assessment toolkit) had a successful impact on both students and lecturers.



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