Peer-Assessment for Holistic Student Development (PAHSD): Implementing a Digital Application on a PBL Platform

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Introduction

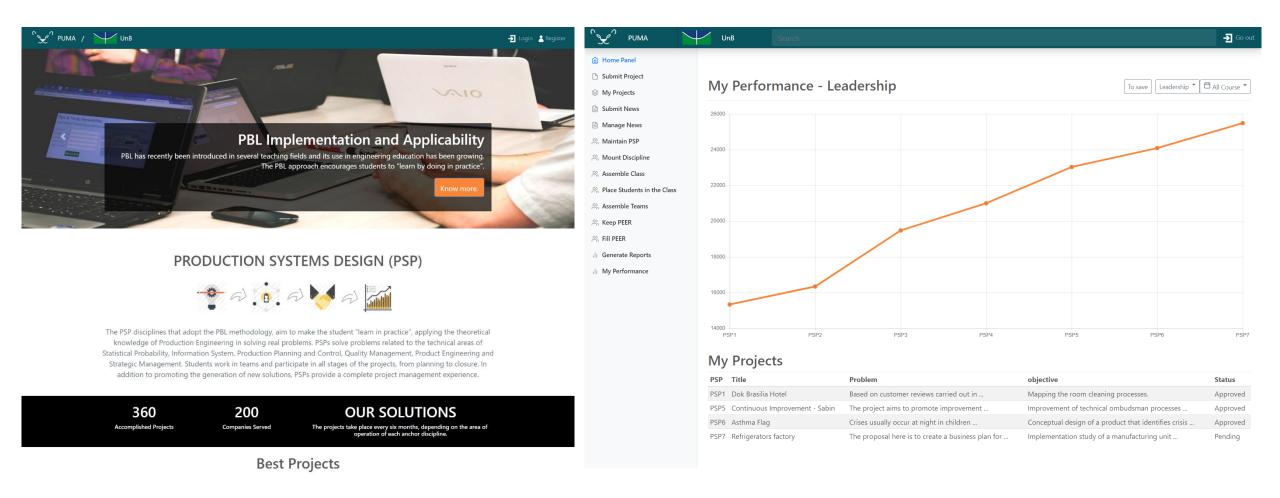


Figure 1. The PUMA Platform

Introduction



UnB adopts the PBL method

Partnership started at PAEE in 2019 UnB and Esprit developed the module in partnership







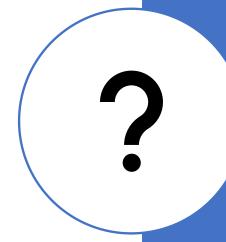


PBL is part of the main education vision at Esprit

Partnership between UnB and Tunisia

Research problem

How to use a web platform to automate the peer assessment process and, thus, improve the application of the PBL methodology



Objective

This article aims to present the development of PUMA's Peer-Assessment for Holistic Student Development (PAHSD) module, which will be used to store students' performance data and foster their competencies development.

Literature review

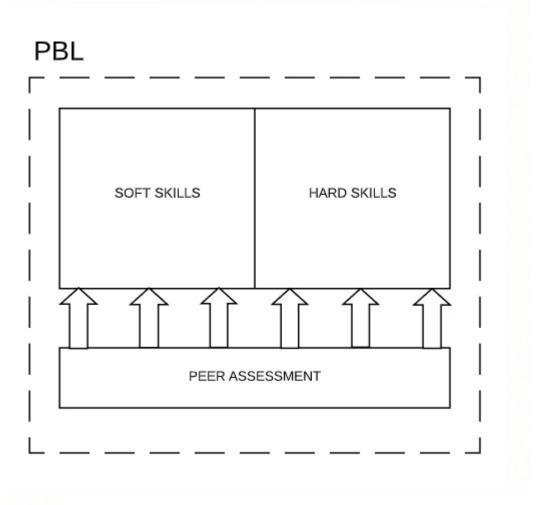
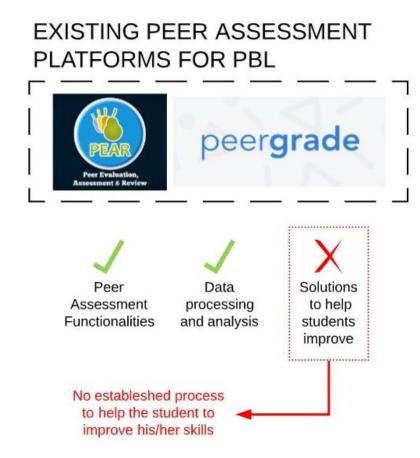


Figure 3. The Peer Assessment process in the PBL methodology

Literature review



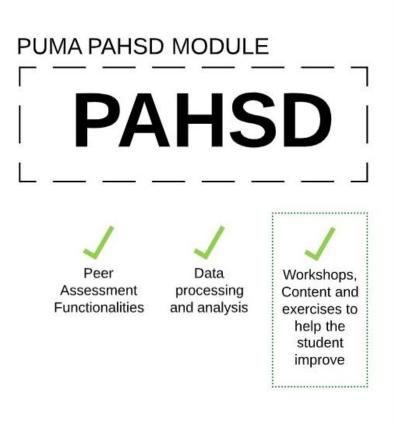


Figure 4. The proposal of PUMA's PAHSD

Research methodology

- Case Study
- Qualitative approach

This project had the participation of students and teachers from both universities.

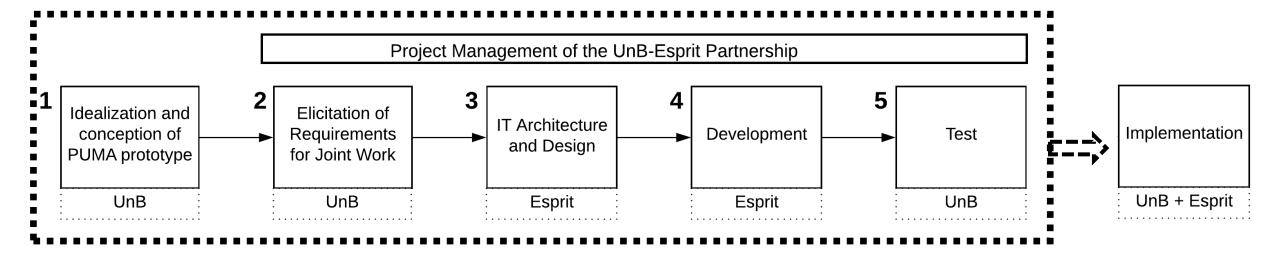


Figure 5. Steps of research

Research methodology

- Agile Methodology
- SCRUM, with incremental characteristics

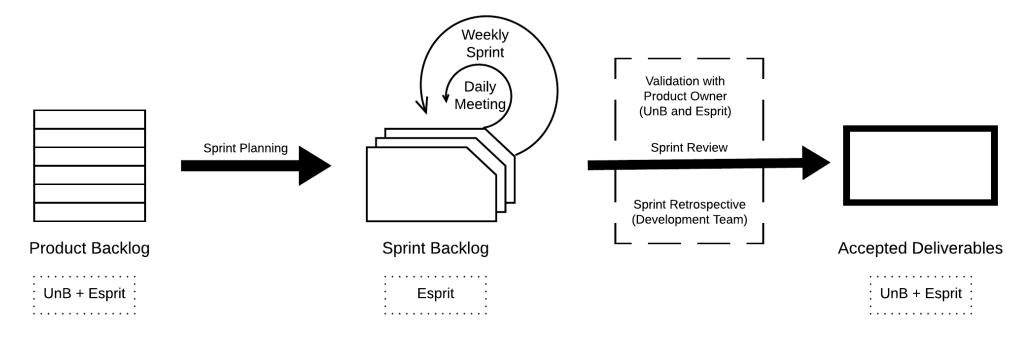


Figure 6. Scrum Methodology applied in the project

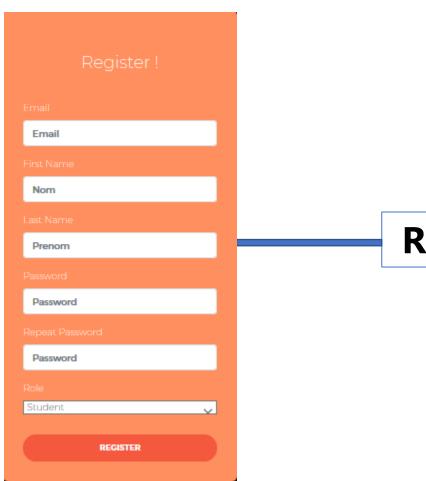
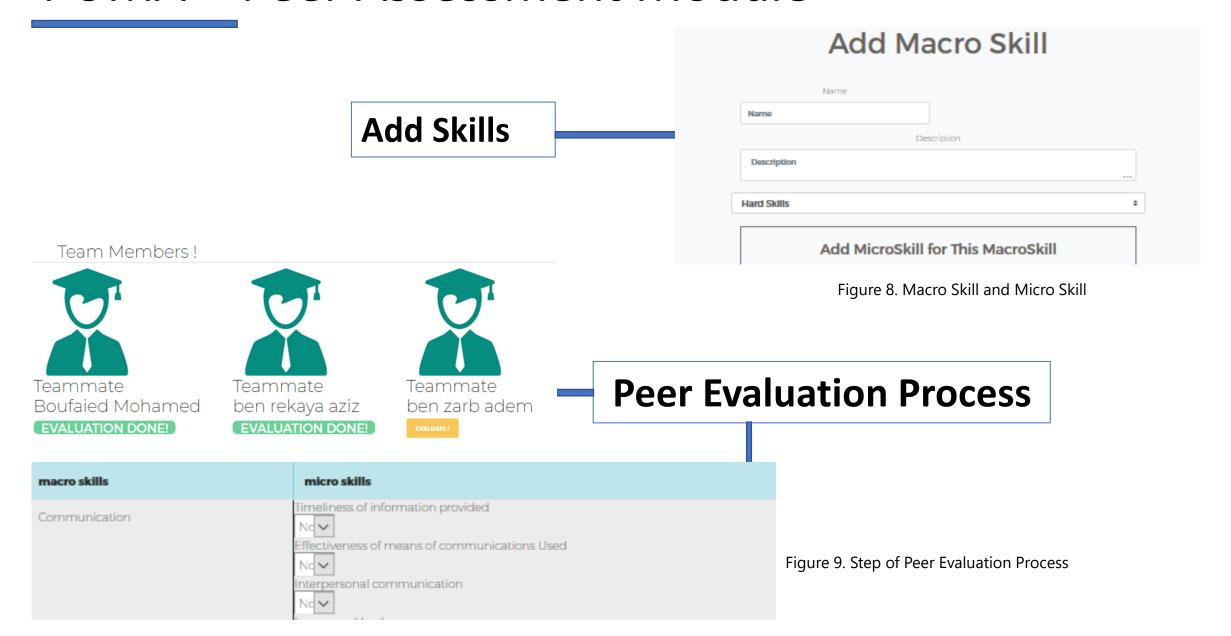


Figure 7. Registration of Users

Registration/Profile



Comparison of student evaluation per Macro Skill

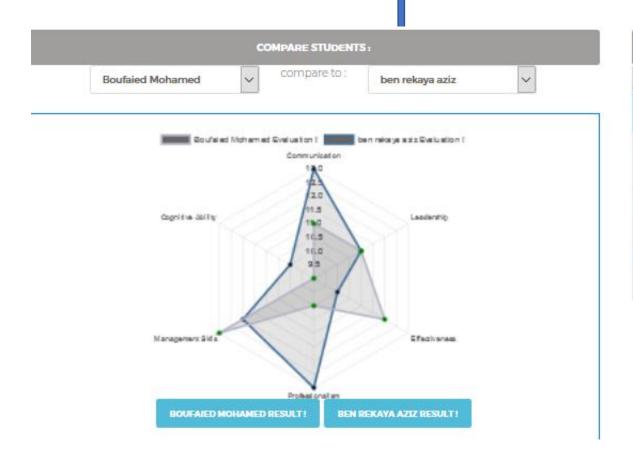




Figure 10. Comparison of student evaluation per Macro Skill

Suggested workshop for Macro Skill to be developed

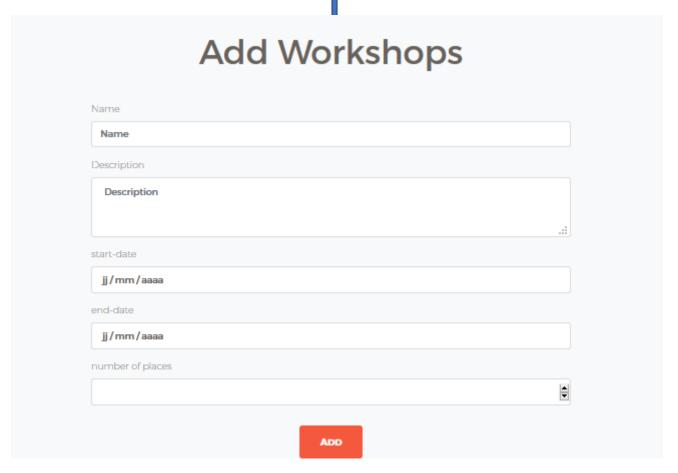




Figure 11. Suggested workshop for Macro Skill to be developed

Conclusion



- ✓ The objective of this research was achieved
- ✓ This study requires future work with an incremental approach
- ✓ The module developed will be carried out in three to five courses in Brazil and Tunisia
- ✓ The joint work between Brazil and Tunisia is the key to transform these latent possibilities into one unified concrete result.

Thank you!