



Social Profile-Based E-learning Model

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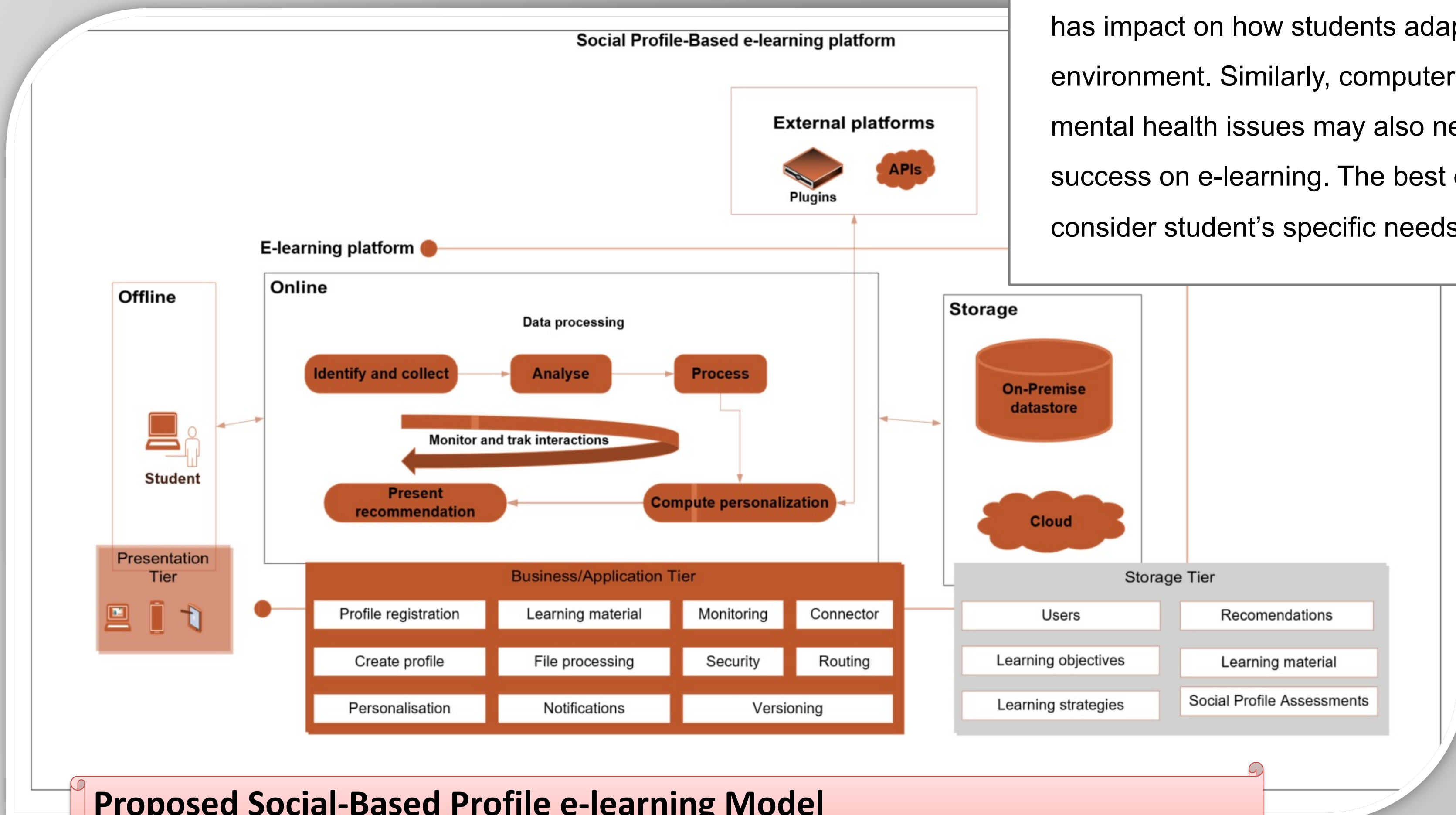
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Background

E-learning is one of the most growing platforms of social computing. It has evolved to be an educational model that incorporates an ecosystem of community networks and learning resources. . The 5th generation evolution has brought a greater need for personalized education using advanced technology, which requires an integration of students, instructors, study material, technology, design, and the environment to deliver learning. Personalized education requires the use of artificial intelligence or machine learning to personalize education based on the needs, strengths, and weaknesses of the student. E-learning has potential to increase student's access to learning resources and improve student's performance

Justification of study

Thou, there is an increasing interest in research to enhance e-learning platforms with personalised recommendations and several e-learning platforms which meet the needs required to improve education. There are still several challenges to conquer before e-learning can be successfully used for effective learning and teaching. These challenges may arise from low digital literacy and social background. Digital literacy has impact on how students adapt in an e-learning environment. Similarly, computer anxiety which may arise from mental health issues may also negatively impact student's success on e-learning. The best e-learning platform should consider student's specific needs.



Proposed Social-Based Profile e-learning Model

Social factors such as digital literacy, behaviour, beliefs, motivations, interest, perceptions or eagerness influence the adaptation of e-learning platforms. There is a gap for personalised e-learning platform based on social profiles. With reference to some of the United Nations(UN) Sustainable Development Goals(SDG), there's a need to reduce inequality, provide quality education and sustainable cities & communities. A social-based profile e-learning model contributes to achieve these goals.

This research aims to define a unique recommendation-based e-learning model that accurately recommends learning strategies to students according to their social profile. This will better support disadvantaged students , reduce inequality and provide quality education to every student.