

2014 APEC WEF : Women's Business & Smart Technology Seminar

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Case #3 : Student Enrichment Project using smart technologies by University Women's Association Singapore (UWAS)

- *UWAS advocates improvement in the status of women and girls through the promotion of lifelong education, and enabling graduate women to use their expertise to effect change*
- In line with our mission, we are leveraging on smart technologies for our student enrichment platform to enable needy students' (especially girls) in the APEC region to acquire and improve their knowledge in English & Science from a young age.
- This meaningful community project will be supported by UWAS and chair by our immediate past president Ms Charmini Sandra Segeram whom is a *lecturer, tutor and writer of school text books.*



Intelligent Student Enrichment Platform

1. To enable under privileged students especially girls to learn English and Science through collaborative learning approach
2. Leveraging on smart technologies, Artificial Intelligence and Semantic analysis, platform will be able to analyse, reason students' free text inputs to assess their subject content mastery skills.
3. Auto detection of individual student's learning gaps so that tutors or peers can explain and help to breach the learning gaps.
4. Auto group students according to their understanding to form effective group collaboration and generate proper scaffolding questions to them respectively



Overview of Student Enrichment Platform

- This platform is a revolutionary **cloud** based platform which employs **artificial intelligence** and **semantic analysis** technology to harness data and provide information to **reinforce learning** in the 21st century classroom.
- It can auto assess the work done by students through state of the art semantic analysis engine to **understand the sentences input by the students and comprehend the meaning** as well as assess if has the correct **knowledge reasoning**. The system can also assess the **student contribution** to the **collaborative learning process**.



Virtual learning communities;

- No limitation of class size;
- Wherever;
- Interaction in real time.





For more information, please contact

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