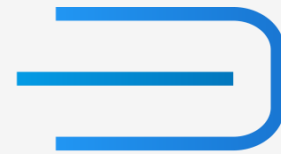


ELFA 2018

The Use of Mobile Apps to Solve Pedagogical Problems and Promote Coding Education

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流動程式教學資源中心



香港浸會大學
HONG KONG BAPTIST UNIVERSITY

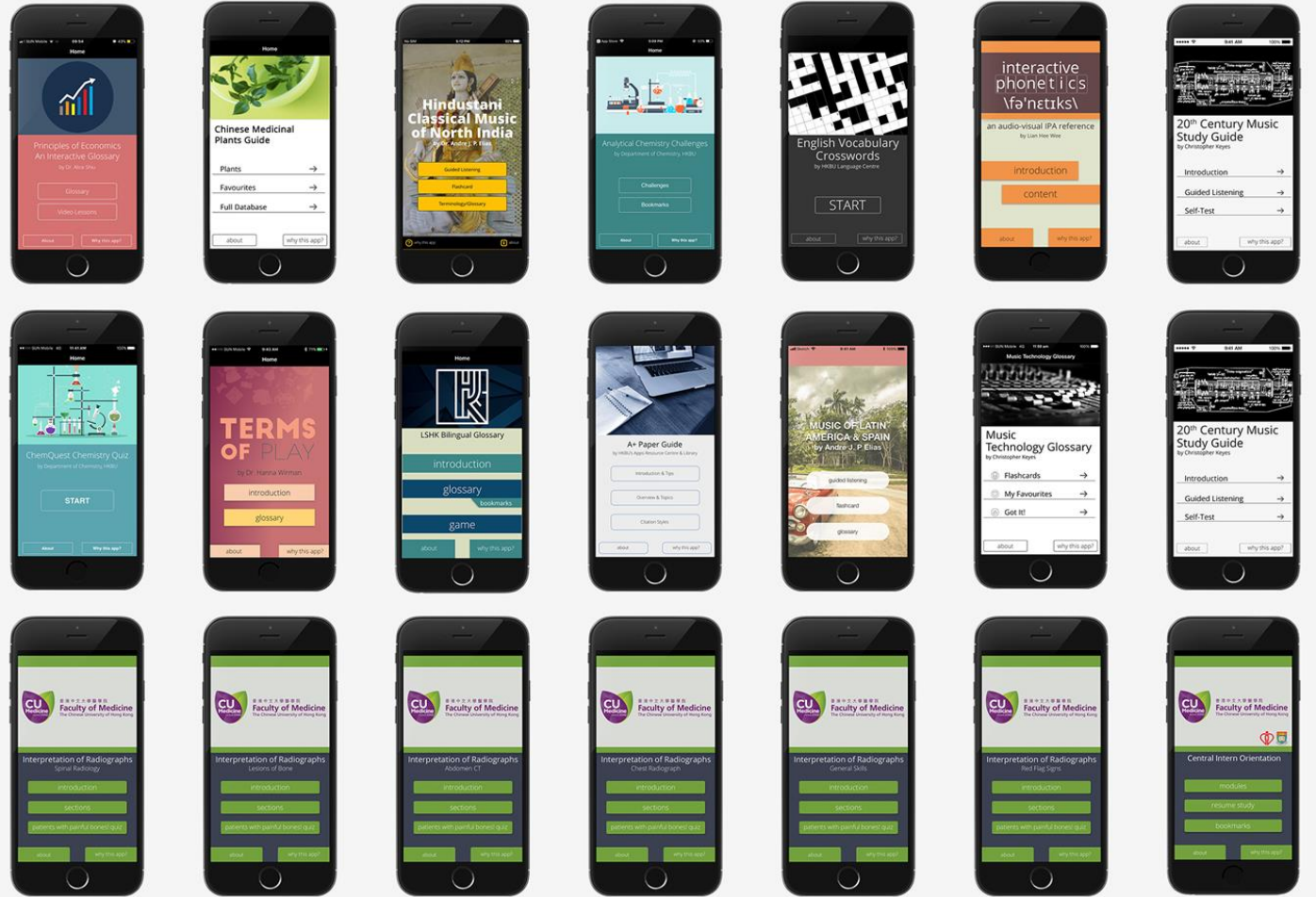
ELFA 2018

- The need for educational apps to solve pedagogical problem
Approach: Pro Apps team and ubiquitous learning
- The need for multi-domain learning for innovation and creativity
Approach: Apps Ambassadors Team and coding education
- The need for networking and global involvement
Approach: Global outreach Team and service-learning



- Building on the successes and experiences of UGC-TLRI 2012-2015 Triennium project
- Addressing the specific pedagogical issues through an app
- Implementing different learning approaches
- Studying the impact of effectiveness of these apps and new learning approaches

PORTFOLIO



Pro Apps Team and Ubiquitous Learning

Music

- 20th Century Music Study Guide
- Music Technology Glossary
- Hindustani Classical Music
- Latin American & Spain

Language enhancement

- AV Phonetics
- English Vocabulary Crosswords
- A+ Paper Guide
- Music of Latin America & Spain

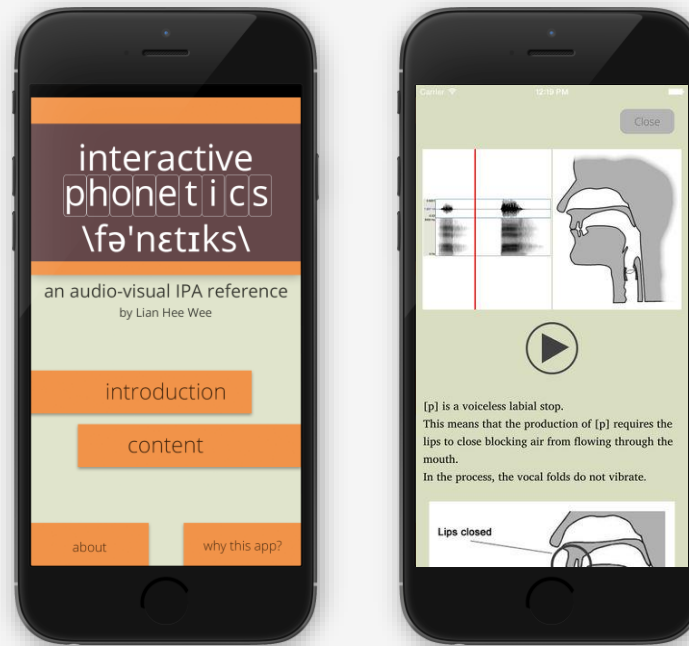
Chemistry

- ChemQuest Quiz
- Analytical Chemistry Challenges
- Spectral (Spectrophotometer)

Medical Science

- Chinese Medicinal Plants Guide
- Central Intern Orientation
- Chest Radiograph
- Spinal Radiology
- Radiographs Abdomen CT

AV Phonetics App Review

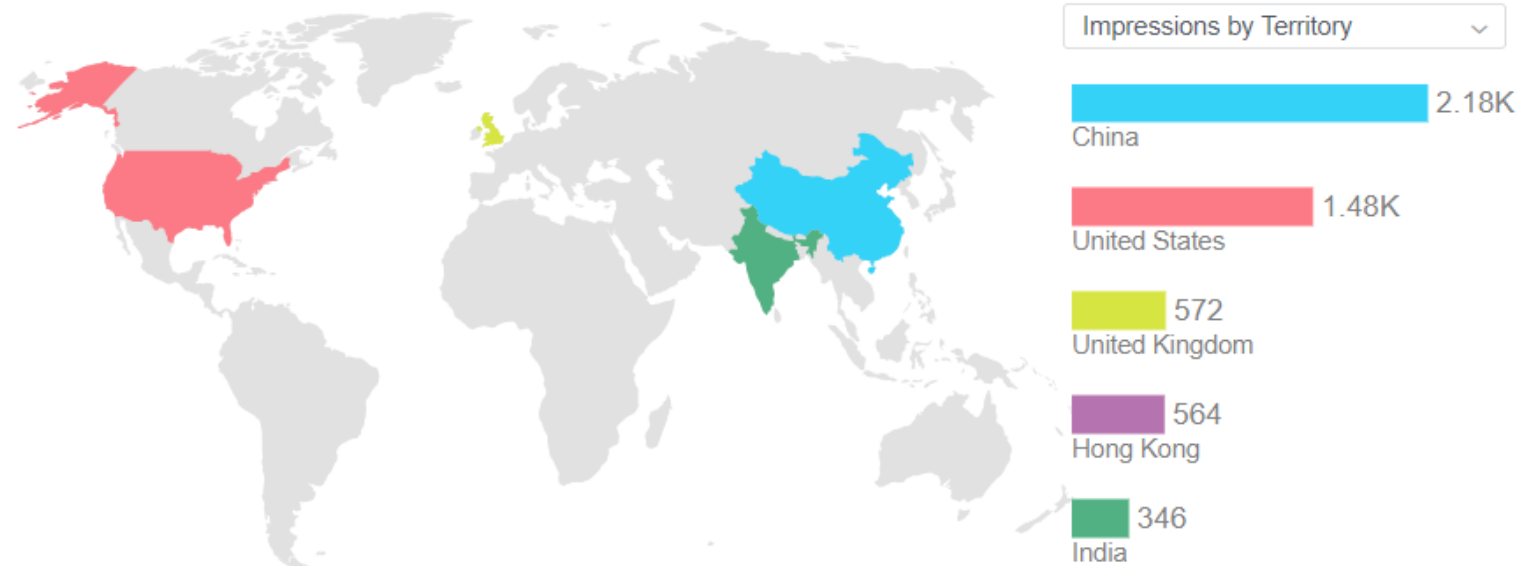
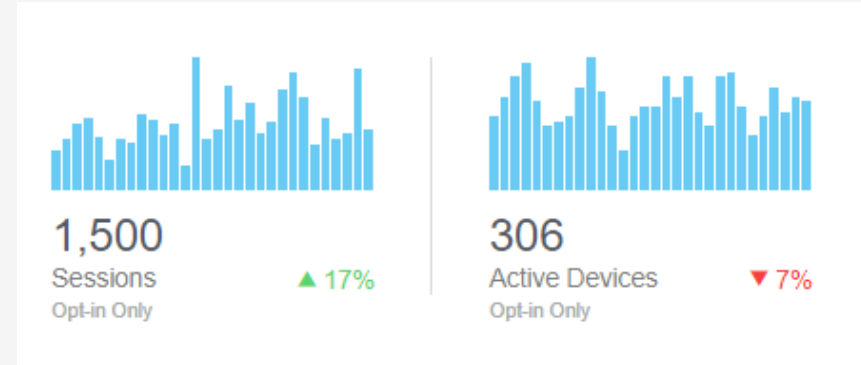
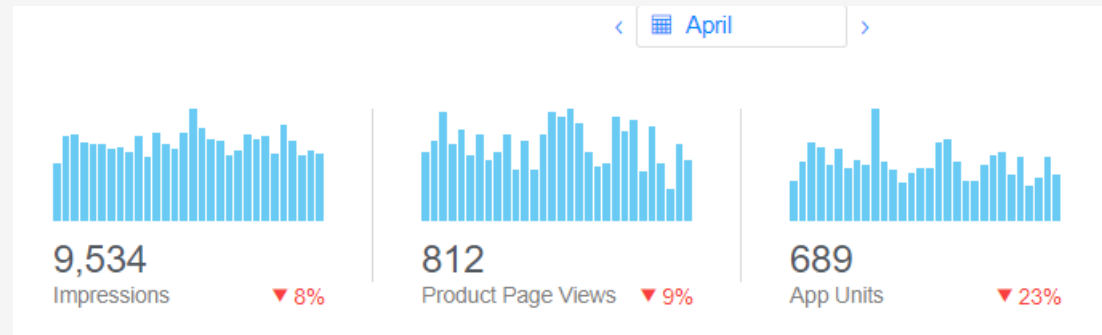


Aug 1, 2017
kanjibox

I am **educating myself** in various topics including correct language articulation as this is vital in vocal communication. **Dictionaries use a phonetic alphabet, utilizing characters from type sets of mechanical printing presses for correct pronunciation**, which forms a unique language that later developed into the International Phonetic Alphabet.

AV Phonetics offers full comprehension of the International Phonetic Alphabet with charts, audio, animation, and interactive elements....

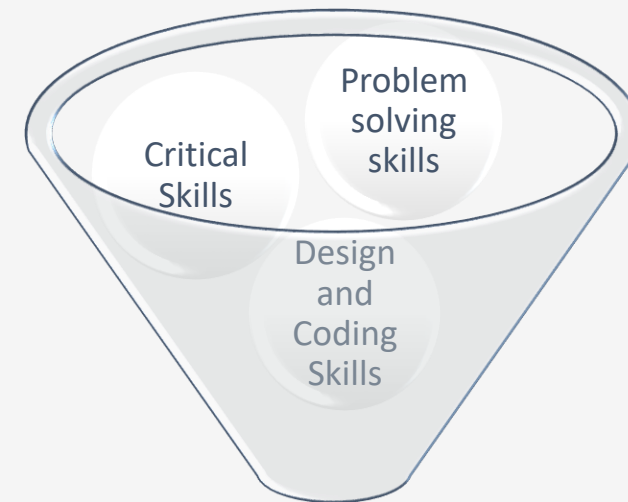
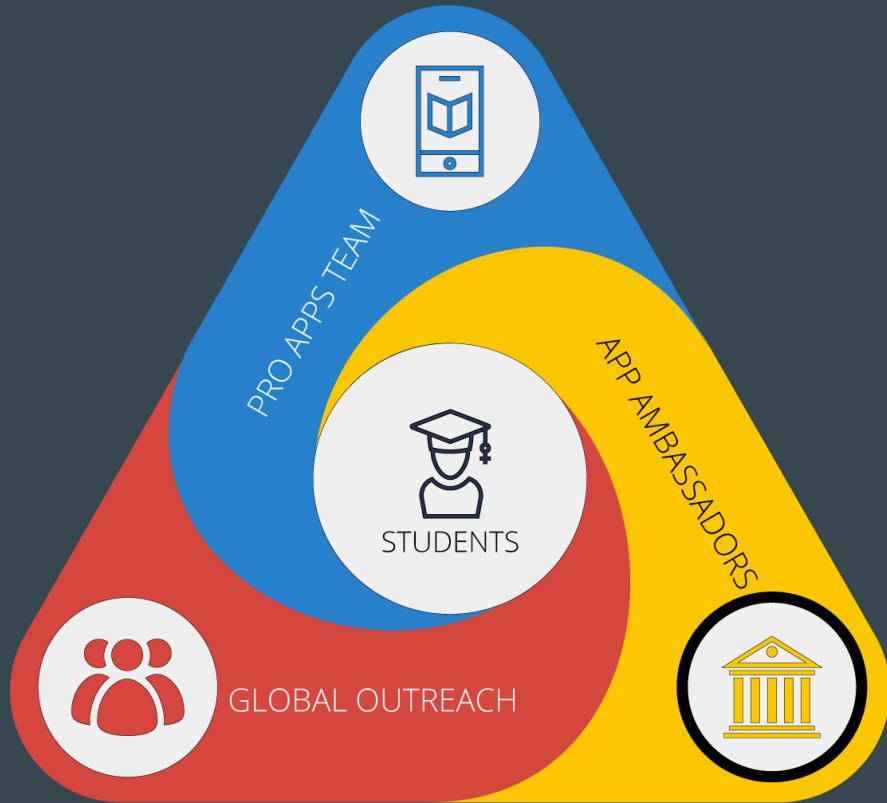
AV Phonetics Statistics - Apr, 2018



The needs for multi-domain learning for innovation and creativity for graduates

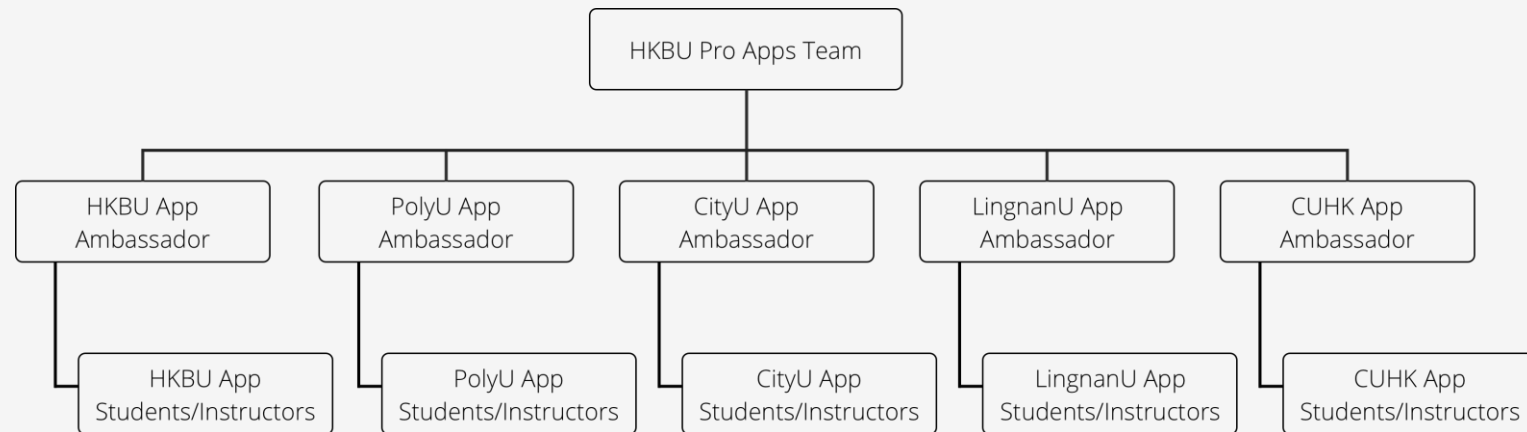
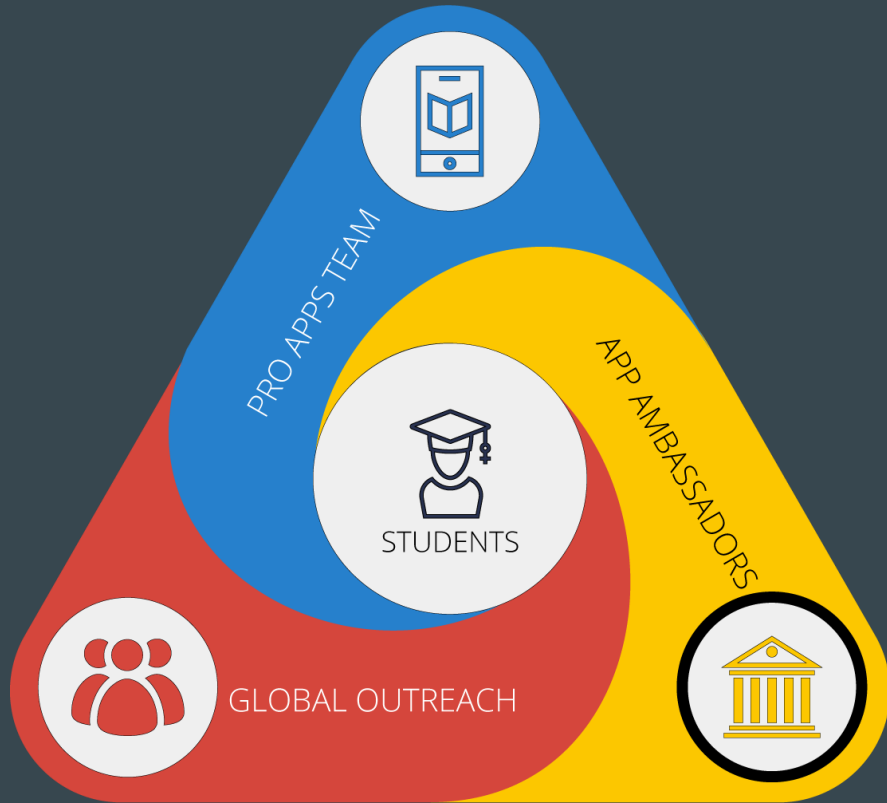
Objective

- To engage students in creative process of app making
- To develop problem solving skills and critical thinking skills



App Making Process

Apps Ambassadors Team and Coding Education



Apps Ambassadors Team and Coding Education

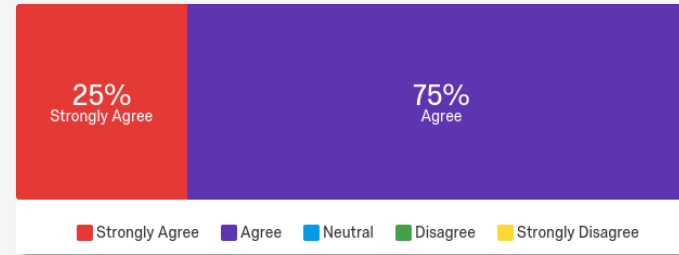
Teach and mentor students in mobile Apps development

- In studio based
- In extra-curricular tutorials
- Enable coursework, final year projects or extra curricular projects

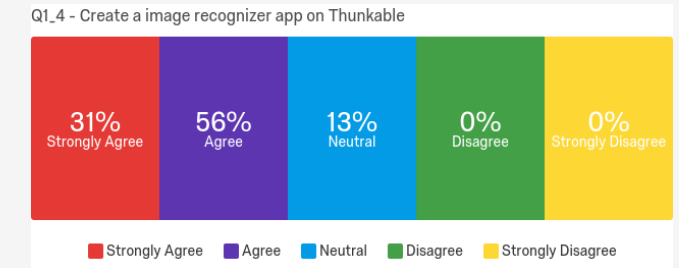


Results From Workshops

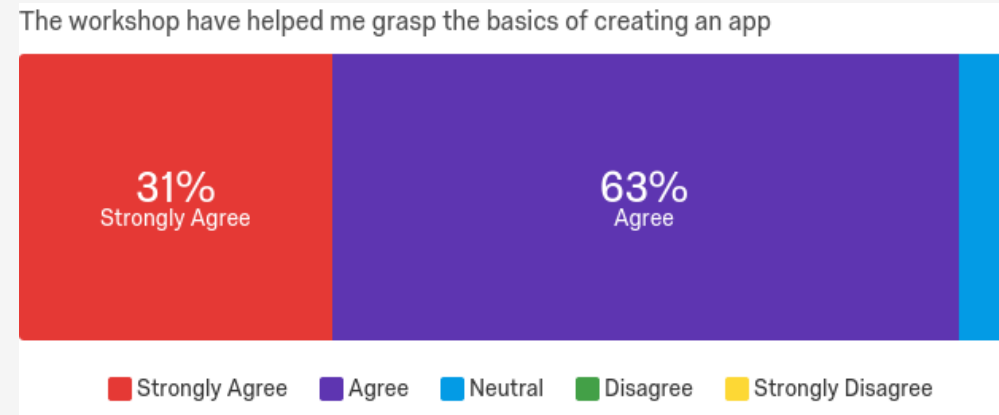
By the end of workshop, students able to develop certain functionalities, Example of translator:



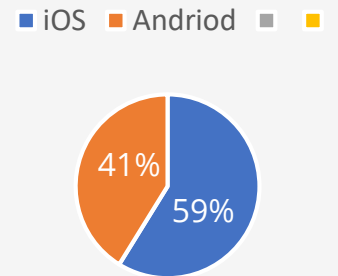
By the end of workshop, students able to develop certain functionalities, Example image recognizer:



The workshop have helped me grasp basic of creating an app



devices



The need for Networking and Global Involvement

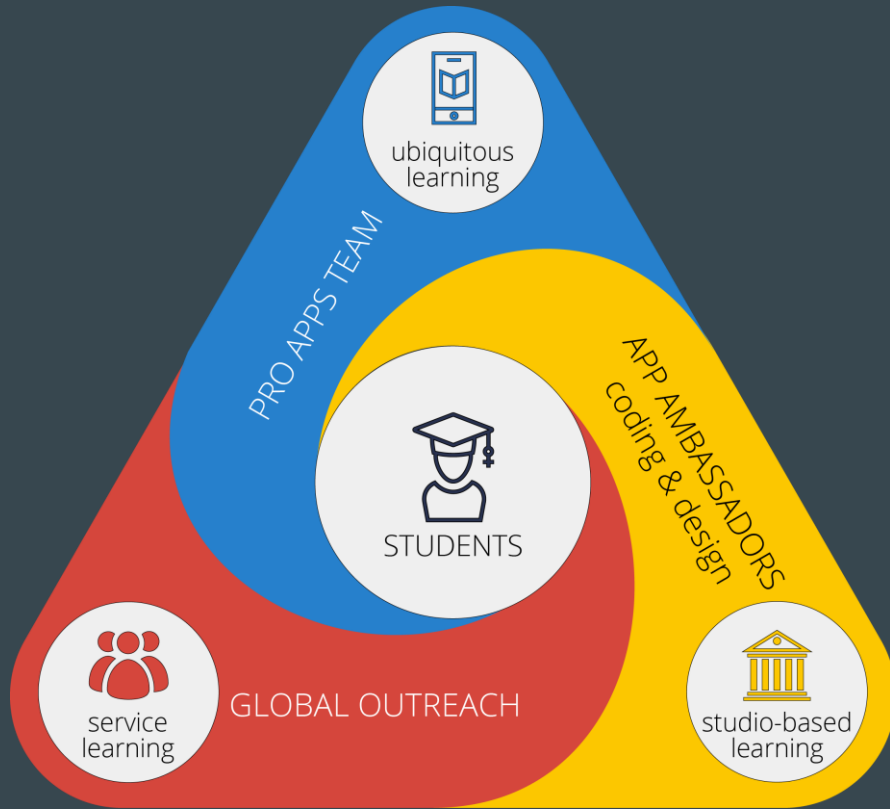


- Pairing community needs to student app makers in service learning projects
- Encouraging to taking on projects to serve the educational, social, and environmental needs of the larger community
- Arranging field trip for students, fostering the understanding of community needs and issues can be addressed by apps

Global Outreach and Service Learning



- Organize app-making competitions, guest seminars and field trips
- Identify App development projects for students

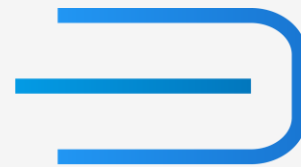


We Engage

- Faculty
- Students
- Community

Thank you

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