

# CoP-ITL

## Case Example from HKU

**Subject area:** Engineering

**Project(s):** Engineering students tackling real-world challenges in Myanmar: An experiential learning project

In order to provide engineering students with hands-on experience leading to real-world impact, the teacher leads an experiential learning project which allows students within the Faculty of Engineering to come together and work on a global issue. Partnered with Dagon University, the wastewater treatment in Myanmar was chosen as the site of investigation. Students from different disciplines, be they Computer Science, Computer Engineering, Biomedical Engineering, Civil Engineering, Electrical Engineering or Environmental Engineering, were required to conduct knowledge exchange workshops at HKU in order to solidify their own disciplinary and interdisciplinary learning and to help their local and overseas peers realise their potential to absorb information. Upon arrival in Myanmar, engineering students were paired up with local science students. They worked as a team to collect wastewater samples from industrial plants, agricultural fields, underground wells, freshwater ponds and sewage drainage. Science students were then responsible for preparing the instruments for the experiments while engineering students designed hardware components such as pressure sensors and display monitors. The “Teach to Learn” concept has benefited students’ learning and enabled them to gain necessary skills in a real engineering design cycle.



Dr. Chun Kit Chui  
Department of Computer Science, Faculty of Engineering, HKU  
[ckchui@cs.hku.hk](mailto:ckchui@cs.hku.hk)

### Cite this item:

CoP – ITL. (2018, April). *Case example of Dr. Chun Kit Chui*. Retrieved from <https://www.cetl.hku.hk/cop-itl/wp-content/uploads/2018/04/DrChunKitChui.pdf>.