

A Gateway Education Laboratory to Support Student Innovations

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At City University of Hong Kong, the aim of Gateway Education (GE) programme is to augment and round out the specialised training students receive in their majors by enabling them to achieve a breadth of knowledge through exposure to multiple disciplines. GE is the glue that holds disciplines together. Aligned with the mission, a technology-enriched active learning space, named Gateway Education Laboratory (GE Lab), was setup in 2012 for supporting active and collaborative learning. It allows students from different disciplines to work together under the GE umbrella. GE lab consists of an active learning classroom (ALC) and a prototyping area. The ALC is highly configurable with movable tables, it equipped with running water facility and ventilation which are suitable for different type of active learning activities. While the prototyping area housed key equipment to support student innovation, such as professional grade 3D printers, laser cutter/engraver, virtual reality equipment...etc. Over the years, GE lab consistently praised by teachers for facilitating student learning. Student innovations supported by the GE lab received local and international recognition and repeatedly reported by the media.

Key Lab Facilities:

- Active Learning Space
- 3D Printers
- 3D Scanners
- 3D CAD Softwares
- Drones
- Robots
- Arduino Library
- Laser Cutting & Engraving System
- Scanning Electronic Microscope
- Video and Audio Production Equipment
- Virtual Reality System



Please visit <http://www.cityu.edu.hk/edge/ge/lab.htm> for details.