



INFORMATION TECHNOLOGY UNIT

The Information Technology Unit of Civil Engineering (ITUCE) was founded in 1997 with the mission of enhancing the capability of civil engineers in solving civil engineering problems through applications of information technology. As an academic entity, the main focus is in four major categories, including Teaching, Research, Consultancy and Publication.

In order to fulfil the mission, ITUCE offered three core subjects and two optional subjects for the undergraduate programme while for the postgraduate programme, two optional subjects are offered. In 2009 ITUCE received excellent feedback in teaching by achieving a minimum of 4.5 over 5.0 in the e-ppp evaluation for its lecturers. The excellence in teaching is further proven by completing the teaching records for all courses and the progress of input in e-learning. ITUCE emphasize on process and data management for its students. Some ITUCE courses are enrolled by students from other faculty. High level facilities in teaching include computer laboratories, data collection and engineering softwares for students to enhance their IT skills in civil engineering

ITUCE is also actively involved in research especially in the application of Information

Technology tools to civil engineering problems. Industrialise Building System (IBS), earthquake and vibration, database management system, and sustainable measurement in civil engineering structures. In 2010, ITUCE filing a patent for IBS (patent no: PI 2010 003779) while several other patent and copyright filing are under process. ITUCE has been awarded to almost a total of RM150,000.00 grant for research and innovation works. In publication, ITUCE staff have produced 3 international and national journal papers together with multiple conference papers. Moreover, ITUCE staff are also actively supervising research students at PhD, masters and undergraduate level to almost 40 students.

ITUCE staffs are also active in consultancy. In 2010 ITUCE is able to complete two projects worth RM300,000. One of the successful contributions to the faculty is establishing an online ISO9001 system. Apart from that, ITUCE also provides IT services for the faculty ranging from computer maintenance, website development to system development. Apart from that ITUCE staff have gained award internationally where the most recent is the Most Creative Structural Engineering Design award in IDEERS 2010 competition in Taiwan supervised by Mohd Zamri.

