

# OUR ACADEMIC REPORT

The academic division was established to ensure quality in teaching and learning management system to assist lecturers, students and external corporations in organizing academic related activities. The other responsibilities of the academic division includes the preparation of timetable and examination, managing teaching evaluation activity and other support activities, such as marketing of programmes, managing students' projects, industrial training, students' society and club activities.

UTM-FKA offers 9 masters by taught course, 1 master by research, a Doctor of Philosophy (Ph.D) and an Engineering Doctorate (Eng.D) programme. We house 2175 students, with 675 of them doing Masters and another 280 pursuing PhD, and we are very proud to be the faculty with the highest number of international students pursuing Civil Engineering in Malaysia. Around 300 of our students come from as far as China, Yemen, Iran, Saudi Arabia, Iraq, Libya, Kazakhstan, Bangladesh, and Indonesia.

The comprehensive curriculum content, with innovative and state-of-the-art teaching and delivery techniques are designed and planned to exploit students' minds and effectively develop their range of intellectual and practical skills. Students are moulded to become multi-skilled professionals with high intellectual capabilities and strong emotional endurance to succeed in future.

UTM-FKA graduates are highly sought after. With one in every four civil engineers in Malaysia is UTM-FKA alumni, we still stand tall and proud to be the largest contributor in quality civil engineering graduates to the nation

## The Undergraduate Programme

The B.Eng (Civil) programme is designed to produce holistic engineers with strong fundamentals in civil engineering, and generic skills to allow them to work in a large and diverse range of industries.

By comparing the number of graduates in each semester, the first class graduates have increased to 92 students in 2009/2010-2, which is approximately 30% from the total graduates. This was due to the Faculty's effort in monitoring

Facts and Figures

- 20% International Undergraduates
- 40% Postgraduates
- 98% GoT (Graduate on Time)
- 100% KB Clean

students' performance through their academic advisors and the encouragement to students to involve with academic enhancement programmes such as discussions and outdoor activities (GOP)

There is a decrease in the number of intake, which is in alignment with the RU policy of maintaining excellent staff to student ratio for undergraduates to create a good balance between the number of undergraduate and postgraduate students.

### Undergraduate Enrolment



## Graduate on Time (GoT)

Our students are anticipated to graduate on time, i.e. within the time frame of 4 years to indicate excellence, although an extension of time can be granted to those with critical academic, health or disciplinary problems. To realize this expectation, UTM-FKA monitors students' workload or Student Learning Time (SLT) and the distribution of courses in the curriculum. The percentage of GoT students increased from 63.88% to 87.9% over the years.

Our target performance indicator for GoT is set very high at 90%, in anticipation of the aspiration of the Faculty to continually improve. To maintain excellent performance of GoT, a measure to monitor KB Clean on regular basis is conducted.

### KB Clean

The result status of KB Clean means a student has a good pass (*Keputusan Baik*) in all courses taken in the semester, surpassing the overall CGPA of 2.00. Mechanisms adopted to monitor students' achievement are through their Academic Advisors and academic enhancement programmes, such as Program Pembangunan Pelajar Cemerlang (PPC) and Pembangunan Pelajar Berpotensi (PPB). Table 5.3 shows the percentage of KB Clean among students between semesters 2005/2006-02 to 2010/2011-1. The average percentage of KB Clean over the years is 93%, which can be considered as an outstanding accomplishment.

### KB Clean

Session/Semester	Status
	KB Clean (%)
2010/2011 - 1	89
2010/2011 - 2	92.1

## The Postgraduate Programme

The Department of Postgraduate Studies offers Civil Engineering programmes at Masters and Doctorate levels, as follows.

- 1) Master of Engineering (M.Eng)
- 2) Master of Science (M.Sc)
- 3) Doctor of Philosophy (Phd)
- 4) Engineering Doctorate (Eng.D)
- 5) Master of Project Management

Currently, they are offered at three centres; i.e. UTM Johor Bahru Campus, UTM International Campus in Kuala Lumpur, and Melaka. The programmes offered in Kuala Lumpur are also to cater for students opting to follow the programme on part-time basis. The total number of postgraduate student enrolment is 743, of which **284 (38%)** are foreign students.

The Master of Engineering Programmes are conducted as full taught, research or mixed modes, which cover specializations, such as, Structures and Materials, Geotechnical Engineering, Transportation and Highway Engineering, Hydraulics and Hydrology, Hydrology and Water Resources, Coastal and Maritime, Environmental Engineering, Construction Management, and Project Management. They are mostly focused on industry-related applications supported by strong fundamental research collaborations with internationally acclaimed graduate faculty and adjunct staff.

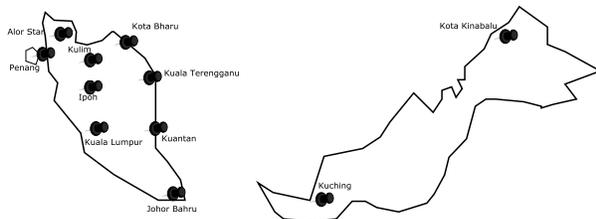
### The External Programme

UTM-FKA is also offering its Bachelor of Engineering (Civil) programme to part-time learners through UTMSPACE. UTM-FKA is the second level management and owner, while UTMSPACE is the manager of the programme. We work hand-in-hand to provide the highest standards of quality in delivering the part-time programme, such that both programmes are equivalent, in terms of quality. Hence, this part-time programme is also accredited by the Board of Engineers, Malaysia (BEM).

The number of students undergoing this programme during 2011 is 605.



Yayasan Selangor, UTM City Campus, Kuala Lumpur



Penang Skills Development Centre (PSDC), Pulau



Kolej Shahputra, Kuantan