

# KUKTEM to produce hands-on engineering grads

**DEVELOPING** human resource to meet the needs of the chemical, petrochemical, natural resources and manufacturing industries is the focus of Kolej Universiti Kejuruteraan & Teknologi Malaysia (KUKTEM).

KUKTEM in Kuantan also strives to develop technology relevant to the needs of the above industries.

It aims to function as a technical university with emphasis on teaching and training.

In research, it focuses on applied research and industrial projects with local industries to enrich the teaching and learning process. It is also planning to establish centers of excellence to strengthen research activities.

Academic programmes focusing on engineering, computer systems, and technology are offered at both degree and diploma levels.

At the faculty of Computer Systems & Software Engineering programmes offered are the Bachelor of Computer Technology (Software Engineering), and Diploma in Computer Technology (Software Technology).



**KUKTEM:** Strives to develop technology relevant to the needs of industries.

The Faculty of Chemical & Natural Resources Engineering offers the Bachelor of Chemical Engineering, Bachelor of Engineering (Chemical, Gas Technology), Bachelor of Engineering (Chemical Process), Bachelor of Chemical Engineering (Chemical Biotechnology), and Diploma in Engineering Technology (Process Plant).

The Bachelor of Electrical

Engineering (Electronics), Bachelor of Electrical Engineering (Power System), Bachelor of Electrical Engineering (Control & Instrumentation), Bachelor of Electrical Engineering (Computer Systems & Network), Bachelor of Electrical Engineering (Electronics Mechanical System), Bachelor of Electrical Engineering (Industrial Automation), and

Diploma in Engineering Technology (Industrial Electronics) are available at the Faculty of Electrical & Electronics Engineering.

The Faculty of Civil & Environmental Engineering offers the Bachelor of Civil Engineering, Bachelor of Civil Engineering with Construction, Bachelor of Civil Engineering with Information, Bachelor of Civil

Engineering with Environmental, and Diploma in Civil Engineering Technology.

Faculty of Mechanical Engineering offers the Bachelor of Mechanical Engineering, Bachelor of Mechanical Engineering with Industrial Engineering, Bachelor of Mechanical Engineering with Information, Bachelor of Mechanical Engineering with Manufacturing Engineering, Bachelor of Mechanical Engineering with Material Engineering, Bachelor in Mechanical Engineering with Biomechanics, Bachelor in Mechanical Engineering with Automotive Engineering, and Diploma in Mechanical Engineering Technology.

Academic programmes at KUKTEM involve experiential and action learning and mould students to focus on problem solving at industrial level.

Programmes are based on the "applied and skilled" approach and there is emphasis on the integration of theory and practical (the "Teaching Factory" concept).

Soft skills development is also incorporated in the university's academic pro-

grammes to further equip the students with the characteristics desired by the industries.

The implementation of a fully integrated e-management system at the university enables the staff and students to communicate more efficiently and effectively. In addition, the university is able to optimize its operation as well as keeping the cost at a reasonable level. The e-management system of the university gathered a Merit Award in the MSC-Asia Pacific IT Award (APICTA) 2003 recently in the category of "Best Education and Training Application".

It has a student population of 1,010 and it is estimated that there will be 10,000 by 2010. It operates at its campus in Gambang Kuantan and will move to its permanent campus in Kuala Pahang, Pekan in 2005.

For details, log on to [www.kuktem.edu.my](http://www.kuktem.edu.my), or write to Kolej Universiti Kejuruteraan & Teknologi Malaysia, Locked Bag 12 25000 Kuantan.