

Syarat LJM iktiraf ijazah kejuruteraan

Oleh MARZITA ABDULLAH

KUALA LUMPUR 20 April — Semua Institusi Pengajian Tinggi Awam dan Swasta (IPTA dan IPTS) yang menawarkan ijazah kejuruteraan kini perlu mematuhi syarat-syarat pengiktirafan yang ditetapkan oleh Lembaga Jurutera Malaysia (LJM) berkuat kuasa sesi pengajian tahun 2000/2001.

Pengarah Jabatan Pendidikan Tinggi, Prof. Dr. Hassan Said berkata, garis panduan tersebut dibuat bagi memantapkan kurikulum program ijazah kejuruteraan di IPT agar ia berdaya saing dalam pasaran global.

Menurut beliau, syarat-syarat yang harus dipatuhi ialah kursus kejuruteraan itu harus menawarkan sekurang-kurangnya 120 jam kredit melalui pengambilan lulusan Sijil Tinggi Pelajaran Malaysia (STPM) atau Matrikulasi atau setaraf dengannya.

Komposisi kursus itu

adalah seperti yang ditetapkan iaitu 80 jam kredit kursus teras kejuruteraan dan 40 jam kredit kursus tambahan yang berkaitan, tidak termasuk bahasa, kursus-kursus asas dan latihan industri.

Selain itu tempoh kursus mestilah empat tahun tetapi tempoh itu boleh disingkatkan tidak kurang daripada tiga setengah tahun dengan persetujuan LJM dan Lembaga Akreditasi Negara (LAN).

Dr. Hassan berkata, bagi graduan kejuruteraan yang telah mengikuti sistem pengajian tiga tahun (3+0) dan pelajar yang belum menamatkan pengajian di bawah sistem itu, mereka layak mendaftar dengan LJM.

"Namun begitu pengiktirafan terhadap mereka boleh dilakukan sekiranya kursus kejuruteraan yang diikuti sudahpun diiktiraf sebelum ini oleh LJM dan menepati syarat tempoh pengalaman kerja yang ditetapkan LJM," katanya di pejabatnya di sini hari ini.

Pelajar yang mengikuti program berkembar juga layak mendaftar dengan LJM sekiranya kursus tersebut diiktiraf oleh badan profesional di negara universiti induk setaraf dengan program profesion LJM.

Sekiranya tidak, pelajar itu layak berdaftar dengan LJM setelah mengambil kursus kejuruteraan tambahan yang ditetapkan oleh Institut Kejuruteraan Malaysia (IJM) dan mempunyai syarat tempoh pengalaman kerja yang ditetapkan oleh LJM.

Syarat tempoh pengalaman kerja itu ialah empat tahun dan individu yang terbabit perlu menambah dua tahun lagi untuk mengikuti kursus tambahan yang ditetapkan LJM.

Dr. Hassan berkata, melalui garis panduan tersebut, ini bermakna kesemua IPTA yang menawarkan kursus itu selama tiga tahun akan kembali menawarkannya selama empat tahun mulai sesi tersebut.



DR. HASSAN SAID

Sebelum tahun 1996 kesemua IPTA menawarkan ijazah kejuruteraan dalam tempoh pengajian empat tahun sebelum ia diubah kepada tiga tahun.

Beliau berkata, keputusan garis panduan tersebut telah dibuat setelah persetujuan di peroleh melalui perbincangan daripada pihak-pihak yang terlibat baru-baru ini.

Antara pihak tersebut ialah LAN, LJM, IEM dan Persatuan Kolej Swasta Malaysia (MAPCO).

"Dengan garis panduan itu maka sebarang salah faham di kalangan orang ramai akan terjawab," katanya.

Sidang akhbar yang diadakan itu turut dihadiri oleh wakil dari LAN, LJM, IEM, Pengerusi Jemaah Dekan Kejuruteraan IPTA dan Bahagian Pendidikan Swasta Kementerian Pendidikan ke-cuali MAPCO.

Kini terdapat kira-kira 10,000 jurutera profesional tempatan dan 30,000 jurutera yang berdaftar dengan LJM namun negara memerlukan lebih 100,000 jurutera bagi pembangunan negara.

Sementara itu, Dr. Hassan berkata, kementerian juga bercadang mewujudkan garis panduan yang sama bagi kursus Senibina dan Perakaunan.

Katanya, perkara itu masih dalam perbincangan di peringkat Majlis Pendidikan Tinggi.

Green card a must for construction workers

PUTRAJAYA: All construction industry workers will now be required to carry the Construction Industry Development Board's (CIDB) green card when carrying out their duties at the site.

This is to prevent accidents as well as to ascertain that all

construction workers are skilled and well-trained, said chief executive of CIDB Datuk Abdul Rahman Bin Abdullah.

He was speaking to reporters after the launch of the green card by Works Minister Datuk Seri S. Samy Vellu yes-

terday.

A worker will have to attend a one-day free safety induction course before being issued with a green card.

The workers will be required to attend more courses two years later in order to upgrade their skills.

Penduduk minta jalan lebih sempurna

Di sini ingin kami mengucapkan jutaan terima kasih kepada kerajaan BN yang menyediakan banyak kemudahan asas seperti bekalan air, elektrik, telefon dan sebagainya. Apa yang kami ingin luahkan ialah kesulitan penduduk Kg Parit Terus Seri Medan Batu Pahat, ialah masalah jalan rosak serta sempit tidak diambil perhatian untuk membesarkan dan membaikinya.

Untuk makluman jalan tersebut dibina atau diturap pada tahun 1985 semasa wakil Rakyat Adun Seri Medan ialah Allahyarham Kamisan Ashari lagi. Kini banyak jalan rosak dan

berlubang-lubang serta sempit.

Apa yang menjadi masalah penduduk ialah jalan tersebut digunakan oleh lori untuk mengeluarkan hasil kelapa sawit penduduk tempatan dan sekitarnya. Apa yang membimbangkan terhadap pengguna jalan tersebut ialah keselamatan pengguna dan kanak-kanak sekolah jika berselisih dengan kenderaan seperti lori atau kereta, terpaksa salah satu berhenti dan masuk ke kawasan semak.

Apa yang sepatutnya berlaku jalan tersebut sudah lama dibaiki, kerana kampung di sekitar telah pun di-

naikan taraf dan diturap.

Kami merayu kepada wakil rakyat, Ahli Parlimen serta Adun untuk mengambil tindakan segera.

Setahu saya penduduk Kampung Parit Terus ialah penyokong kuat Umno serta mempunyai ahli yang ramai serta penyokong kuat kerajaan BN.

Tetapi mengapa masalah seperti ini tidak diambil perhatian dan kenapa diabaikan begitu saja.

MD. LANI MIS
Kampung Parit Terus
Seri Medan,
83400 Batu Pahat,
Johor.

Puncak gets RM261mil loan for water project

KUALA LUMPUR: Water treatment concessionaire Puncak Niaga Holdings Bhd has entered into an agreement with Bumiputra-Commerce Bank Bhd to take up banking facilities worth RM261.5 million.

Puncak told the KLSE yesterday the facilities, arranged by Commerce International Merchant Bankers Bhd, will be used to finance the design, construction and commissioning of the Sungai Sel-

angor Water Supply Scheme Phase 2 Stage 2 Distribution Supply System (DSS2).

The banking facilities comprise a term loan of RM240 million, two bank guarantees of RM11.34 million and RM10.16 million.

Puncak said the term loan facility is to finance its cost relating to the design, construction and commissioning of DSS2 and the interest payable under the term loan

facility and the bank guarantee fee payable under the Design Guarantee 1 facility and the Design Guarantee 2 facility.

The term loan is for the period ending Dec 31, 2004.

The two bank guarantees, Puncak said, is to guarantee the integrity of the design, materials, and workmanship used in the design, construction and commissioning of DSS1 and DSS2.

Puncak supplies about 2,000 million litres of treated water per day presently.

Phase 2 of the Sungai Selangor Water Supply Scheme which is being constructed at a cost of RM538 million, is expected to be completed in the second half of this year, ahead of schedule.

It will supply an additional 475 million litres of treated water to the distribution system.

Program kejuruteraan perlu diiktiraf LJM

KEMENTERIAN Pendidikan sentiasa berusaha memastikan sistem pendidikan tinggi di negara ini bermutu dan sejajar dengan hasrat asal kerajaan untuk menjadikan Malaysia sebagai pusat kecemerlangan pendidikan serantau.

Sehubungan itu, pelbagai kajian dan penelitian dalam semua aspek pendidikan dilakukan dari semasa ke semasa bagi memastikan tahap pendidikan tinggi diawasi sekali gus membolehkan lebih ramai pelajar asing melanjutkan pelajaran di negara ini.

Di bawah pemerhatian Jabatan Pendidikan Tinggi (JPT), salah satu usaha yang sedang giat dijalankan ialah memantapkan kurikulum program ijazah kejuruteraan yang ditawarkan di semua institusi pengajian tinggi (IPT) awam (IPTA) dan IPT swasta (IPTS).

Terbaru, Pengarah JPT, Prof Dr Hassan Said, mengumumkan semua program ijazah kejuruteraan yang dijalankan di IPTA dan IPTS seluruh negara perlu mematuhi syarat pengiktirafan yang telah ditetapkan oleh Lembaga Jurutera Malaysia (LJM), mulai sesi pengajian 2000/2001.

Katanya, LJM akan mengiktiraf program ijazah kejuruteraan yang mematuhi semua syarat yang ditetapkan dari segi kandungan dan pengendalian kursus.

"Untuk mendapat pengiktirafan, kursus ijazah kejuruteraan yang hendak ditawarkan mesti mempunyai sekurang-kurangnya 120 jam kredit dengan komposisi 80 jam kredit daripadanya adalah bagi kursus teras kejuruteraan dan 40 jam kredit bagi kursus tambahan.

"Perlu diingatkan, kursus tambahan dimaksudkan tidak termasuk kursus bahasa, kursus asas dan latihan industri," katanya dalam suatu sidang akhbar di Pusat Bandar Damansara, semalam.

Dr Hassan berkata, kebiasaannya kursus ijazah kejuruteraan akan mengambil masa selama empat tahun. Bagaimanapun tempoh itu boleh disingkatkan tidak kurang daripada tiga setengah tahun jika IPT berkenaan mendapat persetujuan LJM dan Lembaga Akreditasi Negara (LAN).

Sementara itu, pelajar yang sebelum ini diletakkan di bawah Sistem Pengajian Tiga Tahun yang sudah bergraduasi atau belum menamatkan pengajian boleh mendaftar dengan LJM sekiranya kursus kejuruteraan yang pernah atau sedang diikuti diiktiraf oleh LJM.

Pelajar yang mahu mendaftar perlulah menepati syarat tempoh pengalaman kerja yang ditetapkan oleh LJM.

Bagi pelajar yang mengikuti program berkembar dengan universiti luar negara, mereka layak mendaftar dengan LJM sekiranya kursus yang diikuti diiktiraf oleh Badan Profesional di negara universiti induk yang setaraf dengan program profesional LJM.

Green Card programme to improve construction site safety takes off

By Patvinder Singh

PUTRAJAYA, Thurs. — The “Green Card” programme to enhance safety levels at construction sites and enable workers to work in a healthier environment was launched today.

The Construction Industry Development Board Malaysia, which initiated the programme, wants the card to be the worker’s “passport” to work sites.

It wants contractors to bar those without it from entering such sites.

Workers can get the green card after undergoing a free one-day “Safety and Health Induction Course for Construction Workers” before registering with CIDB.

Registration involves completing a CIDB form, a RM50 fee for two years, a photocopy of the workers identity card (passport and valid work permit, for foreign workers) and two identity card-size colour photographs.

Workers with green cards get 24-hour worldwide insurance while working or otherwise with the premium paid by CIDB.

They also get benefits for accidental death, normal death and hospitalisation.

Officiating at the launch, Works Minister Datuk Seri S. Samy Vellu said it was compulsory for workers to have the green card before they were allowed into work sites.

“Safety on sites would be better if contractors and workers were aware of the great importance of safety in construction work and that heightened safety translates into quality services and greater productivity,” he said.

Samy Vellu said the implementation of the programme was timely as the construction industry was on the up-swing with the economic recovery.

CIDB chief executive Datuk Abdul Rahman Abdullah, speaking to reporters later, said a one-year period would be given for the process of green cards.

The board would assess the level of compliance before looking into the need for legislation to ensure compliance.

“We urge employers and employees to comply for the sake of safety,” Abdul Rahman said.

Samy Vellu said his ministry had sug-

gested that construction workers go for a three-month skills training course before being hired.

He said contractors would only then get workers who were skilled and produced quality work.

“When we pay contractors, we expect to get what we want and not what the their workers are capable of producing,” Samy Vellu said.

He urged the CIDB to seriously consider the proposal and hold discussions with the Master Builders Association on the matter.

“It is not necessary to have a big building (for the course). A shed will do to train workers in carpentry, masonry, painting, tiling and roofing,” Samy Vellu said.

Abdul Rahman said he believed the training course was to set a standard for skills for workers to produce the work they were paid for.

“Now we do not know what kind of work we can get for what we pay,” Abdul Rahman said.

He added that the board had six training centres.

Four years for engineering

Courses must contain at least 120 credit hours

By Chok Suat Ling

KUALA LUMPUR, Thurs. — Engineering courses at public universities will revert to a four-year programme from this year, a requirement stipulated by the Malaysian Engineering Board.

The course must contain at least 120 credit hours, 80 for core engineering subjects and 40 for additional subjects, not including language, basic courses and industrial training.

Education ministry higher education division director Professor Dr Hassan Said said engineering degrees at public and private higher educational institutions had been standardised.

As such, the requirement was also for private higher educational institutions.

He said standardising the degree was in line with the country's objective of becoming a centre of educational excellence.

"It will enable our engineering graduates to compete with those abroad.

"Students who have undergone three-year courses should not worry as their degrees are recognised."

"The Ministry is also considering the same for graduates of accountancy and architecture as these areas are also governed by professional bodies," he told a Press conference at the ministry.

Engineering courses at public universities were shortened by a year in 1996 to help train engineers faster to ensure development.

Most private higher educational institutions too conducted engineering courses with a three-year duration.

The board currently has some 10,000 members who are professional engineers.

Engineering graduates must have four years working experience before they are certified as professional engineers.

Hassan said although the duration of engineering courses should be four years, it could be shortened with the permission of the

board and the National Accreditation Council.

"However, it cannot be less than three and half years."

He said those who took 3+0 or 2+1 twinning programmes at private higher educational institutions should not worry.

"They can register with the board if their course is recognised by the professional body in the country the degree is issued.

"If it is not, the student can register with the board after taking additional courses stipulated by the Malaysian Engineering Institution, and after having an additional two years' working experience," he said.

Hassan said there were seven private higher educational institutions offering engineering courses.

"Their twinning programmes for engineering are recognised by the board. However, since the programmes are only for three years, the student will have to undergo additional courses and spend a longer period gaining working experience."