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A N N U A L R E P O R T

2010



UNIVERSITI
TEKNOLOGI
PETRONAS

engineering futures

A N N U A L R E P O R T

2 0 1 0

1 APRIL 2009 - 31 MARCH 2010





WELCOME TO UNIVERSITI PETRONAS

TEKNOLOGI EDUCATION

CORPORATE PROFILE

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CORPORATE PROFILE

VISION & MISSION

VISION

To be a leader in Technology Education and Centre for Creativity and Innovation.

MISSION

UTP is an institute of higher learning. We provide opportunities for the pursuit of knowledge and expertise for the advancement of engineering, science and technology to enhance the nation's competitiveness.

Our objective is to produce well-rounded graduates who are creative and innovative with the potential to become leaders of industry and the nation.

Our aim is to nurture creativity and innovativeness and expand the frontiers of technology and education for the betterment of society.



Universiti Teknologi PETRONAS (UTP) was established on 10 January 1997, when PETRONAS was invited by the Malaysian Government to set up a university.

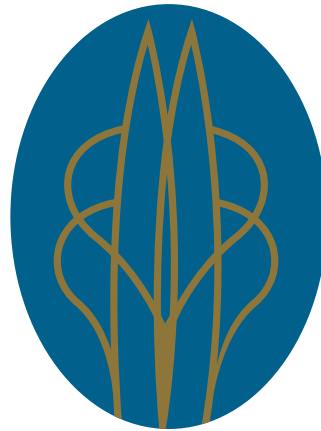
The campus is built on a 400 hectare (1,000 arce) site strategically located at Bandar Seri Iskandar, Perak Darul Ridzuan, Malaysia. The University is a wholly-owned subsidiary of PETRONAS, the national oil company of Malaysia.

UTP offers a wide range of engineering and technology programmes at undergraduate and postgraduate levels complemented with a strong focus on Research and Development. All the programmes are designed with high industry relevance to provide a dynamic learning environment. The University is located in a beautifully landscaped setting, amidst the new township of Bandar Seri Iskandar, and its community comprises students and staff from various countries. Its peaceful environment, wide open spaces and abundant lakes make these serene surroundings an ideal place to study.

UNIVERSITY PROFILE



LOGO RATIONALE



UNIVERSITI
TEKNOLOGI
PETRONAS

- Relates to the concept of renaissance, birth and nurturing of the mind for national advancement of the highest order.
- Simulates the bloom of a floral bud while injecting a graphic outline of the PETRONAS Twin Towers.
- Reflects the beginning of a journey towards new standards in higher education.
- Gold to denote light and deep pastel blue to signify peace and tranquility.



THE UNIVERSITY TEAM



Penerangan
Informasi

CHANCELLOR

TUN DR MAHATHIR BIN MOHAMAD

Former Prime Minister of Malaysia
Appointed as Chancellor on 1 April
2004



Born on 20 December 1925 in Kampung Seberang Perak, Alor Setar, Tun Dr Mahathir bin Mohamad started school at Sekolah Melayu Seberang Perak in 1930. He was there for two years, before continuing his education at the Government English School (now known as the Sultan Abdul Hamid College) in Alor Setar. During the Japanese Occupation from 1941 to 1945, he stopped school. After the Japanese surrender, Tun Mahathir resumed his education and received the Senior Cambridge Certificate the same year.

Upon completing his secondary education in 1947, Tun Mahathir received a partial scholarship from the Government to study medicine at the King Edward VII Medical College – the forerunner of the University of Malaya – in Singapore. In 1953, Tun received his MBBS degree from the University of Malaya and immediately began housemanship in Penang. From 1954 to 1957, Tun served the Government as Medical Officer in Alor Setar, Langkawi and Perlis. In June 1957, Tun went into private practice. Later that year, he opened his own MAHA Clinic in Jalan Tunku Ibrahim, Alor Setar – the first Bumiputera private clinic in the state.

Tun's political involvement began in 1945, when he joined various organisations like Kesatuan Melayu Kedah, Seberkas and Kesatuan Pemuda Melayu Kedah. Whilst still at school, he was also actively involved in the anti-Malayan Union campaign. In 1946 he became a member of the United Malays National Organisation (UMNO). In 1964, Tun contested in the General Elections, won the Kota Setar Selatan constituency and became a Member of Parliament. It was when he became the Chairman of Food Industries of Malaysia (FIMA) in 1973 that he honed his administrative capabilities.

In 1974, Tun was appointed Minister of Education in Tun Razak's cabinet. In March 1976, Tun was named Deputy Prime Minister by Tun Hussein Onn.

On 16 July 1981, Mahathir became the fourth Prime Minister of Malaysia, a position he held for 22 years. He retired on 31 October 2003.

Under the stewardship of Tun, Malaysia has witnessed unprecedented economic growth especially in manufacturing, infrastructure, information technology and oil and gas.

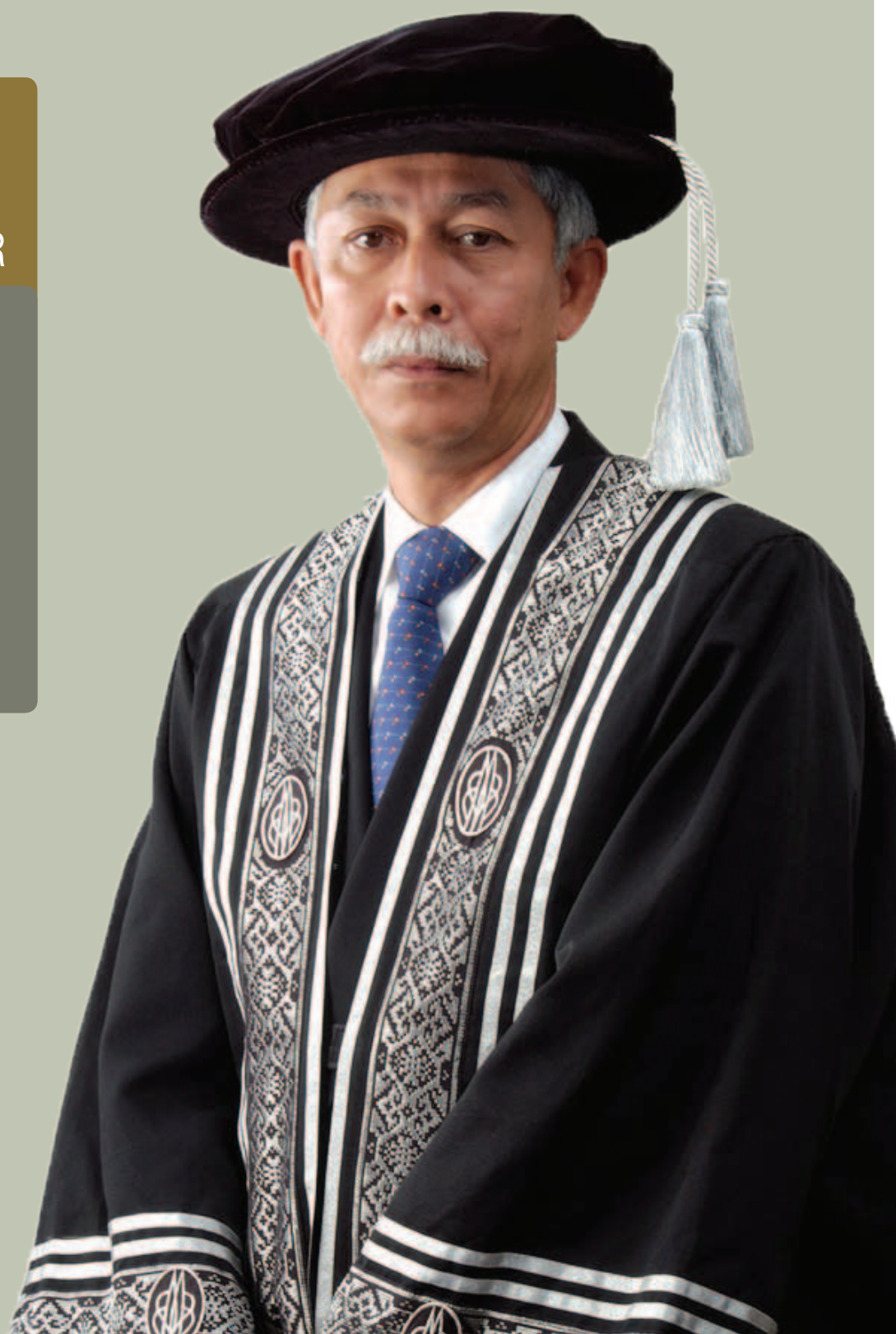
In recognition of his outstanding contributions to nation building, Tun received numerous prestigious fellowships, awards and honours from universities and academic institutions, both locally and internationally. Honorary Member, Academy of Medicine (1983), Honorary Member, Malaysian Medical Association (1984), Honorary Fellowship of the Royal College of Surgeons, Ireland (1991), Honorary Fellowship, Academy of Sciences Malaysia (1996), Honorary Fellowship, Royal College of Physicians of Edinburgh (1997), Honorary Professor, Kyrgyz University (1996), Honorary Doctorate in Humanities, National University of Mongolia (1997), and Honorary Doctorate of Literature and Al-Azhar University (1998), to name a few.

In 2001, in recognition of his dedication to promoting human resource development in Malaysia through educational and technological exchange with a global perspective, Tun was awarded the Honorary Doctorate by Meiji University, one of the most prestigious universities in Japan. After his retirement, he continued to receive various honours. These include an Honorary Doctorate in the field of management and engineering from Universiti Teknologi Malaysia (2003), and the Honorary Degree of the Doctor of Letters, Universiti Islam Antarabangsa (2003) for his distinguished contributions as a Muslim writer and an outstanding intellectual.

PRO- CHANCELLOR

TAN SRI (DR) MOHD
HASSAN MARICAN

(until 9 February 2010)



A Fellow of the Institute of Chartered Accountants in England and Wales, as well as a member of the Malaysian Institute of Accountants and the Malaysian Institute of Certified Public Accountants, Tan Sri (Dr) Mohd Hassan Marican was born in Sungai Petani in 1952.

Having received his early education from Malay College Kuala Kangsar, Tan Sri Hassan left for London in 1972 to join accounting firm Touche Ross & Co as an article clerk before becoming a qualified Chartered Accountant. Tan Sri Hassan returned to Malaysia in 1980 to work with Public Accountants Tetuan Hanafiah Raslan & Mohamad/Touche Ross & Co and became a partner a year later. He was called to serve PETRONAS as Senior Vice President of Finance in 1989 and appointed President and Chief Executive Officer of PETRONAS in 1995.

Tan Sri Hassan has received numerous awards - among them the Panglima Setia Mahkota (PSM) in 1997 (carrying the title Tan Sri), the Bintang Darjah Seri Paduka Mahkota Terengganu (SPMT) in 1996 and Darjah Sultan Mahmud Terengganu Yang Amat Terpuji (DSMT) in 1992 (both carrying the title Dato'), the Panglima Negara Bintang Sarawak (PNBS) in 2003 (carrying the title Dato Sri), Darjah Seri Setia DiRaja Kedah (SSDK) in 2008 (carrying the title Dato' Seri). He was also awarded the "Commandeur De

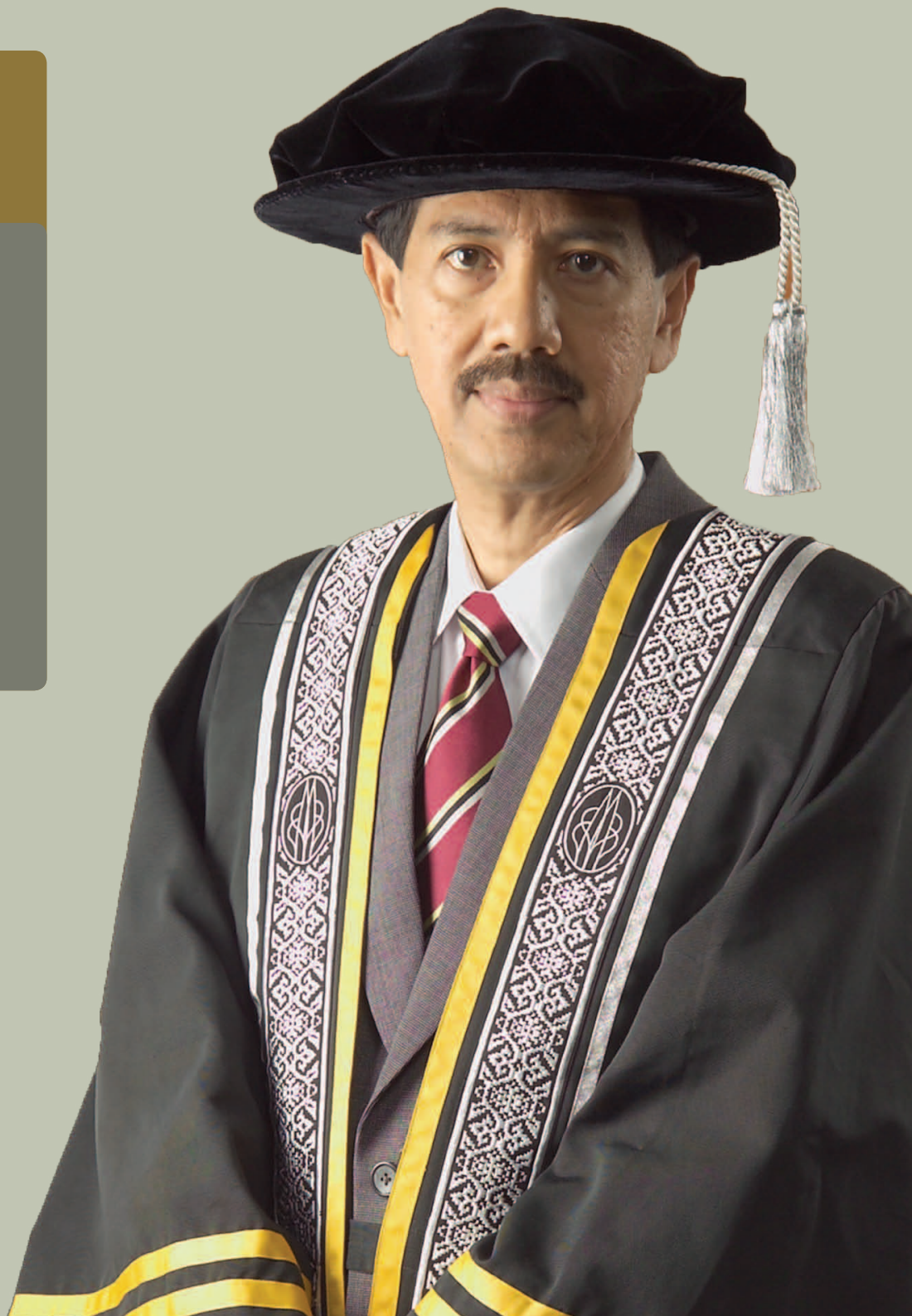
La Legion D'Honneur" by the French Government in 2000, the "Friendship Medal" by the Vietnamese Government in 2001, and the Honorary Doctorate in Engineering by Universiti Malaya in 2001.

A member of the PETRONAS Board of Directors and Chairman of two public listed companies under the Group - PETRONAS Gas Berhad and MISC Berhad - Tan Sri Hassan is also the Chairman of Engen Limited, a PETRONAS subsidiary and South Africa's leading oil refining and marketing company.

Beyond PETRONAS, Tan Sri Hassan is a board member of the Central Bank of Malaysia and a member of the board of the Malaysia-Thailand joint Authority, which oversees petroleum development in the overlapping area between Malaysia and Thailand. He is also a member of the International Investment Council for the Republic of South Africa, a board member of the World Economic Forum's (WEF) Partnering Against Corruption Initiative (PACI) as well as a member of the WEF's Council of 100 Leaders.

RECTOR

DATUK DR ZAINAL
ABIDIN HAJI KASIM



Datuk Dr Zainal completed his A-Levels in Cardiff, United Kingdom under the MARA Scholarship programme in 1973 after completing his secondary education at the Malay College Kuala Kangsar. In 1976, he received his BSc. in Chemistry/Polymer Science from Loughborough University of Technology, UK and in 1980, his MSc. in Petrochemical/Hydrocarbon Chemistry from UMIST, UK under PETRONAS sponsorship.

In September 1976, he began his long and illustrious career with PETRONAS at the Laboratory Services Department. This department later became the Petroleum Research Institute (PRI), and was subsequently renamed PETRONAS Research & Scientific Services Sdn Bhd (PRSS).

From 1990 to 1996, Datuk Dr Zainal served as Senior Manager of Process Technology, PRSS, before being appointed General Manager of its Research Division. Simultaneously from 1990 to 1994, he read his PhD in Aromatisation of LPG using Zeolite Catalysts at the Institut Francais du Petrole (IFP) in conjunction with the University of Paris VI.

In 2000, he was appointed the General Manager of PETRONAS Technology Resource Management Division (TRM). TRM has since been restructured and is now known as the Technical Services Division (TSD). On 1 April 2004, Datuk Dr Zainal became the General Manager of Group Technology and Capability Management.

Throughout his career in PETRONAS, Datuk Dr Zainal has been fully involved in the development of PRSS. He is a member of the Petroleum Research Fund of PETRONAS and a Board member of the Institute of Technology PETRONAS Sdn Bhd (ITPSB). Datuk Dr Zainal is also one of the key personnel responsible for the PETRONAS groupwide implementation of the Technical Professional Career Progression (TC/PCP) scheme.

He received the Darjah Mulia Seri Melaka (DMSM) from Malacca in 2007, which carries the title 'Datuk'.

Datuk Dr Zainal joined the University as Rector in 2005.



BOARD OF DIRECTORS

CHAIRMAN

Datuk Ainon Marziah Wahid

MEMBERS

Tan Sri Dato' Mohamad Noordin Hassan (until 12 May 2009)

Datuk Anuar Ahmad

Juniwati Rahmat Hussin

Colin Wong Hee Huing (beginning 12 May 2009)

Samsudin Miskon

Dr Hamzah Abdul Hamid

Datuk Dr Zainal Abidin Haji Kasim

COMPANY SECRETARY

Maliki Kamal bin Mohd Yasin

CHAIRMAN DATUK AINON MARZIAH WAHI

Datuk Ainon was appointed to the Board on 1 October 2002. In March 2005, she became the third Chairman of ITPSB following the demise of the late Tan Sri Dato' Seri Azizan Zainul Abidin. Backed by more than 28 years of experience, Datuk Ainon has held various positions in PETRONAS. She holds a bachelor's degree in Anthropology and Sociology from University of Malaya (1973) and an MSc in Industrial Relations from University of Strathclyde, UK (1976). Datuk Ainon was the Vice President of Human Resource Management PETRONAS, a position she held from 2002 until 2009.



MEMBER TAN SRI DATO' MOHAMAD NOORDIN HASSAN (until 12 May 2009)

Tan Sri Dato' Mohamad Noordin is one of the founding members of Institute of Technology PETRONAS Sdn Bhd. He was appointed as a member of the Board of Directors on 26 July 1995. Tan Sri is a graduate of University of Malaya with a BA (Hons) in Economics. He also holds a Masters degree in Public and International Affairs from the University of Pittsburgh, USA. Tan Sri has more than 35 years of experience in the service of the government of Malaysia where he served in various capacities at district, state and federal levels including as Deputy Secretary General, Ministry of Trade & Industry; Secretary General, Ministry of Science, Technology and Environment; and Secretary General, Ministry of Education. He was the Vice President of PETRONAS and was instrumental in the establishment of the University. Today, Tan Sri is the Chairman of DNP Holdings Sdn Bhd, and he also sits in on the Board of UMW Holdings Sdn Bhd and Ruby Quest Sdn Bhd, two public-listed companies under Bursa Malaysia. Tan Sri also holds directorships in several subsidiaries in DNP Group.



MEMBER DATUK ANUAR AHMAD

Datuk Anuar Ahmad, aged 52, holds a Bachelor of Science Degree (Econs) from the London School of Economics & Political Science, University of London and has attended Harvard Business School's Advanced Management Programme (AMP). He joined PETRONAS in 1977 and is currently the Vice President, Human Resource. He was the MD/CEO of PETRONAS Dagangan Berhad from 1 July 1998 till 30 September 2002. He is also a member of PETRONAS' Board and also sits on the Board of several companies within the PETRONAS Group. Datuk Anuar was appointed a member of ITPSB Board on 1 August 2005.



BOARD OF DIRECTORS



MEMBER JUNIWATI RAHMAT HUSSIN

Juniwati Rahmat Hussin holds a Bachelor of Science Degree (Hons) in Chemistry from the University of Kent in Canterbury, UK. She has attended several advanced management courses such as the GE advanced Manager Course, INSEAD Senior Management Development Programme, Certificate in International Management and the HENLEY Business School Advanced Management Programme, UK. She was the recipient of the PETRONAS' Excellent Service Award in 1981.

She joined the Malaysian National Oil Company, Petroliaam Nasional Berhad (PETRONAS) in 1981 and is currently the Vice President, Education Division, PETRONAS. Prior to assuming this position, she has held various Technical and Non-Technical positions across the PETRONAS Group.

Her experience covers a wide range of areas. She started her career in the Oil Refining Business covering various positions such as an Analytical Chemist, Process Engineer, Production Planner and Project Engineer. With about 12 years hands-on experience in the Oil Refinery, she moved to the Corporate Headquarters to take up a managerial position in Corporate Planning and Business Development Division. It was during her 7 years tenure that PETRONAS expended aggressively internationally and also ventured into the Petrochemical Business. The next obvious move was to Human Resources Division where her portfolio covered Manpower Planning, Recruitment and Job Evaluation. After 3 years with HR, she spent another 3 years with the Petrochemical Business but this time Marketing and Trading of Petrochemical products. From the selling of petrochemical products, she had the opportunity to "sell" classical music concerts when she headed the Malaysian Philharmonic Orchestra for 3 years as the CEO.

Juniwati is also very active in sports and was a competitive swimmer and tennis player in her student days. She was appointed to ITPSB Board on 2 March 2009.



MEMBER COLIN WONG HEE HUING (beginning 12 May 2009)

Colin Wong Hee Huing is currently the Vice President of Technology & Engineering Division, PETRONAS. He graduated from the University of Auckland, New Zealand with Bachelor Degree in Electrical Engineering.

He joined PETRONAS in 1980 and has gained a wide-range of hands on experiences in Engineering, Operations, Project Management and business improvements across the businesses of Gas/LNG, Petrochemical and Refining. He has been assigned to various Senior Management positions across the PETRONAS Group of Companies. His last position was the MD/CEO of PETRONAS Melaka Refinery Companies. He was appointed to his current position, Vice President of Technology & Engineering, PETRONAS in January 2009. Mr Wong is also the member of the Board of Directors for a number of PETRONAS' subsidiary companies.

MEMBER SAMSUDIN MISKON

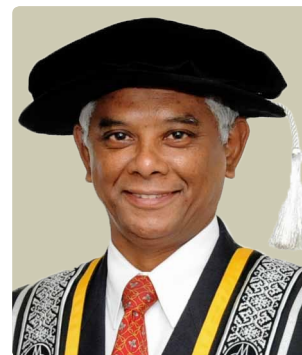
Samsudin Miskon, graduated with BSc (Hons) Chemical Engineering from Aston University, UK in 1983. Samsudin joined PETRONAS upon graduation and in 1994 did his masters degree in Project Management at University of Reading, UK. In 1997 he attended INSEAD, France for the diploma in International Management and in 2005 he underwent the Advanced Management Programme at Havard Business School, USA. He is currently the Managing Director/CEO of PETRONAS Gas Berhad and also sits on the Board of several companies within the PETRONAS Group. Samsudin was appointed an ITPSB Board member on 1 August 2005.



MEMBER DR HAMZAH ABDUL HAMID

Dr Hamzah has been with PETRONAS for over 30 years and currently serves as Head of Group Research/CEO of PETRONAS Research within the Research and Technology Division of PETRONAS.

He graduated from University College Cardiff, University of Wales in late 1977 and joined PETRONAS as a Chemist, pioneering the Laboratory Services Department in 1978. He was awarded scholarships to further his studies while in PETRONAS. He obtained his Masters degree in 1984, and his PhD in Catalysis in 1991.



MEMBER (RECTOR/CEO) DATUK DR ZAINAL ABIDIN HAJI KASIM

A graduate of BSc in Chemistry/Polymer Science from Loughborough University of Technology, UK, Datuk Dr Zainal Abidin Haji Kasim joined the ranks of PETRONAS in September 1976. He pursued an MSc in Petrochemical/Hydrocarbon Chemistry from UMIST, UK in 1980 on PETRONAS' sponsorship. Datuk Dr Zainal started his career at Laboratory Services Department (now PETRONAS Research & Scientific Services Sdn Bhd or PRSS). He was the Senior Manager, Process Technology (1990 to 1996), before being appointed as the General Manager of its Research Division. He obtained his PhD in Aromatisation of LPG using Zeolite Catalysts at the Institut Francais du Petrole (IFP) in 1994. Throughout his career in PETRONAS, he was fully involved in the development of PRSS and led the PETRONAS Technology Advisory Committee which approves and monitors research work within PETRONAS. In 2005 Datuk Dr Zainal took the helm of UTP as the Rector and was appointed as a Board of Member of ITPSB on 16 March 2005.



BOARD OF DIRECTORS



COMPANY SECRETARY MALIKI KAMAL BIN MOHD YASIN (from 17 November 2008)

Maliki Kamal Mohd Yasin, born on 29 July 1963 in Kuala Terengganu received his early education at Sekolah Kebangsaan Kepong Kuala Terengganu before completing his secondary education at Kolej Islam Kelang. He pursued his tertiary education reading Law Degree at University Islam Antarabangsa. He was one of the pioneer students of Universiti Islam Antarabangsa to have obtained the Bachelor of Law in 1986.

He undertook his chambering practice at Tetuan Tengku Sulaiman & Associates and was officially declared as an attorney and advocate in 1987. Prior to joining PETRONAS in June 1990, Maliki had served as an attorney and advocate with specialisation in criminal law.

At PETRONAS, he has served under various legal departments at the holding company and the subsidiaries of PETRONAS until his appointment as General Manager, Legal at the Department of Corporate Services and Technology beginning May 2007. This department is responsible to provide services with regard to legal matters to the Department of Human Resources, Corporate Services Division (including Group Supply Chain, Motorsport, Property Management and others), Education Division (including Universiti Teknologi PETRONAS) and Research and Technology Division. He is directly involved in providing advice on staff discipline and domestic inquiries. He is also a trainer in labour laws for the officers in PETRONAS.

CHAIRMAN

Datuk Dr Zainal Abidin Haji Kasim

MEMBERS

Hasbullah Haji Ihsan

Associate Professor Dr Hilmi Mukhtar

Associate Professor Dr Mohd Noh Karsiti

Mohamed Noor Rosli Baharom

Associate Professor Dr Abdul Rashid Abdul Aziz

Professor Ir Dr Ahmad Fadzil Mohamad Hani

Associate Professor Dr Mohamed Ibrahim Abdul Mutalib

Solihuddin Ahmad Nasarudin

Zamri Yusof

SECRETARY

Mohd Azlan Ghazali

MANAGEMENT COMMITTEE

MANAGEMENT COMMITTEE

CHAIRMAN



**Datuk Dr Zainal Abidin
Haji Kasim**
Rector / Chief Executive Officer

MEMBERS



Hasbullah Haji Ihsan
Director, Finance & Fund
Management



**Associate Professor
Dr Hilmi Mukhtar**
Director, Undergraduate Studies



**Professor Ir Dr Ahmad
Fadzil Mohamad Hani**



**Associate Professor
Dr. Mohamed Ibrahim
Abdul Motalib**



**Associate Professor
Dr Mohd Noh Karsiti**
Director, Postgraduate Studies



**Mohamed Noor Rosli
Baharom**
Director, Student Services



**Associate Professor
Dr Abdul Rashid
Abdul Aziz**
Director, Research Enterprise
Office

SECRETARY



Mohd Azlan Ghazali
Manager, Corporate Planning
& Financial Management



**Solihuddin Ahmad
Nasarudin**
Registrar



Zamri Yusof
Senior Manager, Human
Resource Management &
Administration

SENATE

CHAIRMAN

YBhg. Datuk Dr. Zainal Abidin b. Hj Kasim

MEMBERS

Associate Professor Dr Hilmi Mukhtar

Associate Professor Dr Mohd Noh Karsiti

Mohamed Noor Rosli Baharom

Associate Professor Dr Abdul Rashid Abdul Aziz

Associate Professor Ir Abdul Aziz Omar

Dr Nor Hisham Hamid

Dr Azrai Abdullah

Associate Professor Dr Shamsul Rahman M Kutty

Associate Professor Dr Shuhaimi Mahadzir

Dr Ahmad Majdi Abdul Rani

Ir Dr Idris Ismail

Dr Mohd Fadzil Hassan (since 1 March 2010)

Associate Professor Dr Balbir Singh a/l Mahinder Singh

Professor Ir Dr Ahmad Fadzil Mohamad Hani

Associate Professor Dr Ibrahim Kamaruddin

Associate Professor Dr Mohamed Ibrahim Abdul Mutalib

Associate Professor Dr Madzlan Napiah

Associate Professor Dr Fakhruddin Mohd Hashim

Associate Professor Dr Noor Asmawati Mohd Zabidi

Associate Professor Ir Dr Muhd Fadhil Nuruddin

Associate Professor Dr Othman Mamat

Associate Professor Dr Suzana Yusup

Dr Zainal Ambri Abdul Karim

Associate Professor Dr Ahmad Kamil Mahmood (until 28 Feb 2010)

Solihuddin Ahmad Nasarudin

CHAIRMAN



Datuk Dr Zainal Abidin
Haji Kasim
Rector / Chief Executive Officer

MEMBERS



Associate Professor
Dr Hilmi Mukhtar
Director, Undergraduate Studies



Associate Professor
Dr Mohd Noh Karsiti
Director, Postgraduate Studies



Mohamed Noor Rosli
Baharom
Director, Student Services



Associate Professor
Dr Abdul Rashid
Abdul Aziz
Director, Research Enterprise
Office

SENATE MEMBERS

MEMBERS



**Associate Professor
Ir Abdul Aziz Omar**
Head, Geoscience & Petroleum
Engineering Department



Dr Nor Hisham Hamid
Head, Electrical & Electronic
Engineering Department



Dr Azrai Abdullah
Head, Management &
Humanities Department



**Associate Professor
Dr Shamsul Rahman
M Kutty**
Head, Civil Engineering
Department



**Associate Professor
Dr Balbir Singh
a/I Mahinder Singh**
Head, Fundamental & Applied
Sciences Department



**Professor Ir
Dr Ahmad Fadzil
Mohamad Hani**
Member



**Associate Professor
Dr Ibrahim Kamaruddin**
Member



**Associate Professor
Dr Mohamed Ibrahim
Abdul Mutalib**
Member



**Associate Professor
Dr Shuhaimi Mahadzir**
Head, Chemical Engineering
Department



**Dr Ahmad Majdi
Abdul Rani**
Head, Mechanical Engineering
Department



Ir Dr Idris Ismail
Head, Industrial Internship
Department



Dr Mohd Fadzil Hassan
Head, Computer and Information
Sciences Department



**Associate Professor
Dr Madzlan Napiah**
Member



**Associate Professor
Dr Fakhruddin
Mohd Hashim**
Member



**Associate Professor
Dr Noor Asmawati
Mohd Zabidi**
Member



**Associate Professor
Ir Dr Muhd Fadhil Nuruddin**
Member

SENATE MEMBERS

MEMBERS



Associate Professor
Dr Othman Mamat
Member



Associate Professor
Dr Suzana Yusup
Member



Dr Zainal Ambri
Abdul Karim
Member



Associate Professor
Dr Ahmad Kamil
Mahmood

SECRETARY



Solihuddin Ahmad
Nasarudin
Registrar

CHAIRMAN

Tun Dr. Mahathir Bin Mohamad

MEMBERS

Professor Sung-Kee Chung (Korea)

Dr Øystein Berg (Norway)

Professor Dr Abdullah Sadiq (Pakistan)

Professor Klaus P. Riedle (Germany)

Tan Sri Datuk Dr Ahmad Tajuddin bin Ali

Professor Datuk Dr Augustine S.H. Ong

Juniwati Rahmat Hussin

Datuk Dr Zainal Abidin Haji Kasim

ACADEMIC
ADVISORY
COUNCIL

Acting as a forum for the exchange of ideas between the University and various sectors of society, the Academic Advisory Council first met on 21 February 2003. The council provides guidance and strategic direction for the development of the University, from international collaboration to staff development and consultancy - to be in tandem with the University's vision and mission. Council members are appointed by the University's Board of Directors and meet at least once a year.

Chairman

Tun Dr. Mahathir Bin Mohamad

Chancellor

Universiti Teknologi PETRONAS

Members

Professor Sung-Kee Chung (Korea)

Professor & Former President

Pohang University of Science and Technology

Dr Øystein Berg (Norway)

Managing Director

International Programme for Petroleum

Management and Administration (Petrad)

Professor Dr Abdullah Sadiq (Pakistan)

Former Rector

Ghulam Institute of Engineering Sciences and Technology

Professor Klaus P. Riedle (Germany)

President of Fossil Power Generation, Products

Siemens Power Generation (PG)

Members

Tan Sri Datuk Dr Ahmad Tajuddin bin Ali

Chairman

UEM Group Berhad

Academician Tan Sri Emeritus Professor Datuk Dr Augustine S.H. Ong

President

Malaysian Invention & Design Society (MINDS)

Juniwati Rahmat Hussin

Vice President Education, PETRONAS

Datuk Dr Zainal Abidin Haji Kasim

Rector/MD/CEO

Universiti Teknologi PETRONAS



INDUSTRY ADVISORY PANEL

CHEMICAL ENGINEERING

Ahmad Hamizan B Hasan
Prakash Kumar Karunakaran

CIVIL ENGINEERING

Ir Abdul Kadir B Mohd Din
Dato' Ir Dr Nik Mohd. Kamel B Nik Hassan
Ir Sahri B Bahari
Ir Bakhtiar B Husain
Mohd Sapihie B Ayob

ELECTRICAL & ELECTRONIC ENGINEERING

Ir Aziz B Ismail
Dr Lee Weng Fook
Ir Dr Peter Lim Boon-Lum
Ir Ahmad Nazari B Ashari
Wan Hassan B Wan Mamat

GEOSCIENCE & PETROLEUM ENGINEERING

Dr Nasir B Haji Darman
Dr Jaizan Hardi B Mohamed Jais

MECHANICAL ENGINEERING

Zamaluddin B Ali
Ir Hanafi B Ali
Ishak B Zakaria
Dr Alias B Abu Hassan

COMPUTER & INFORMATION SCIENCES

Dr Ooi Chee Keong
Aminudin B Hashim
Dr Jamalul-lail B Ab Manan
Hasannudin B Saidin

MANAGEMENT & HUMANITIES

Prof Dato' Haji Mohd Hamdan B Haji Adnan
Prof Dr Barjoyai B Bardai
Mohamad Kamal B Haji Nawawi

The University has taken another step to ensure that its education deliveries remain relevant with industrial practices. In order to further strengthen its relationship with industry players, Industry Advisory Panel (IAP) was established and held its inaugural meeting on 7 May 2007. The University invited twenty- four panel members consisting senior practitioners from the industry, all with vast experience and expertise in their respective fields, to assist in planning and continuously improving the quality of the programmes offered in UTP. Industrial input from panel members help the University to further enhance its curriculum, and to establish academic- industry collaboration. Panel members are required to meet the heads of departments at least once a year to discuss the University's academic curriculum, teaching methodology, facilities and practices to help it stay in tune with the emerging needs of the industry.

CHEMICAL ENGINEERING

Ahmad Hamizan B Hasan

Chief Executive Officer

PETRONAS Penapisan (Terengganu) Sdn Bhd

Prakash Kumar Karunakaran

Engineer Principal, Process Control

PETRONAS Penapisan (Melaka) Sdn Bhd

ELECTRICAL & ELECTRONIC ENGINEERING

Ir Aziz B Ismail

Chief Executive Officer

Authentic Venture Sdn Bhd

Dr Lee Weng Fook

Senior Technical Manager

Emerald Systems Sdn Bhd

Ir Dr Peter Lim Boon-Lum

Chief Technology Officer / Chief Operating Officer

Equine Technology Pte Ltd / Equine Technology Sdn Bhd

Ir Ahmad Nazari B Ashari

Managing Director

MECIP Global Engineers Sdn Bhd

Wan Hassan B Wan Mamat

General Manager / Custodian, Instrument & Control

PETRONAS Carigali Sdn Bhd

CIVIL ENGINEERING

Ir Abdul Kadir B Mohd Din

Chief Executive Officer

Indah Water Konsortium Sdn Bhd

Mohd Sapihie B Ayob

Principal Researcher (Structural Mechanics)

PETRONAS Group Technology Solution

Research & Technology Division

Dato' Ir Dr Nik Mohd Kamel B Nik Hassan

Managing Director

Dr Nik & Associates Sdn Bhd

Ir Sahri B Bahari

Project Director

Scientige Sdn Bhd

Ir Bakhtiar B Husain

Director

HRunding Sdn Bhd

GEOSCIENCE & PETROLEUM ENGINEERING

Dr Nasir B Haji Darman

Custodian Engineer
Petroleum Management Unit
Petroleum Resource Development

Dr Jaizan Hardi B Mohamed Jais

General Manager
Petroleum Management Unit
Technology, Capability and Data Management

MECHANICAL ENGINEERING

Zamaluddin B Ali

Principal Engineer
PETRONAS Group Technology Solution

Ir Hanafi B Ali

Senior Materials, Corrosion & Inspection Engineer
Shell Malaysia Exploration & Production

Ishak B Zakaria

Technical Advisor
Makhostia Sdn Bhd

Dr Alias B Abu Hassan

General Manager, Corporate Communications
PERODUA Sdn Bhd

COMPUTER & INFORMATION SCIENCES

Dr Ooi Chee Keong

Chief Information Officer, Worldwide
Grape City Inc (Japan)

Aminudin B Hashim

Chief Executive Officer
Institut Darul Ridzuan

Dr Jamalul-lail B Ab Manan

Senior Director
MIMOS Berhad

Hasannudin B Saidin

Chief Executive Officer
IXC Malaysia Berhad

MANAGEMENT & HUMANITIES

Dato' Nordin B Baharuddin

Chairman
KUB Malaysia Berhad

Prof Dato' Haji Mohd Hamdan B Haji Adnan

President
Institute of Public Relations Malaysia

Prof Dr Barjoyai B Bardai

Deputy President
China-Malaysia Oil Refinery Sdn Bhd

Mohamad Kamal B Haji Nawawi

Senior Vice President, Strategic Human Capital Management
Khazanah Nasional Berhad

CHEMICAL ENGINEERING

Professor Dr. Peter L. Douglas

CIVIL ENGINEERING

Professor Matthew Richard Coop

ELECTRICAL & ELECTRONIC ENGINEERING

Professor Robert G. Olsen

MECHANICAL ENGINEERING

Professor Dr. Franz Heitmeir

PETROLEUM ENGINEERING

Professor Turgay Ertekin

PETROLEUM GEOSCIENCES

Professor Ronald Steel

BUSINESS INFORMATION SYSTEMS

Professor Stephen Ross Elliot

INFORMATION & COMMUNICATION TECHNOLOGY

Professor Peter F Haddawy

MANAGEMENT & HUMANITIES

Professor Peter J Buckley

FUNDAMENTAL & APPLIED SCIENCES

Professor Dr Suzeini Bt Abdul Halim

INTERNATIONAL EXTERNAL EXAMINERS

INTERNATIONAL EXTERNAL EXAMINERS

Quality assurance is an integral part of the University's education process to ensure its academic programmes are of the highest quality and meet international standards. Established since 1999, the International Examiners Conference is held annually to deliberate on examination, curriculum development, staff development and facilities, future trends of engineering education and matters pertaining to research and development. The International Examiners Conference provides invaluable input that will contribute towards the realisation of the University's vision to make it a leader in engineering and technology education.

CHEMICAL ENGINEERING

Professor Dr. Peter L. Douglas

Director
University of Waterloo
Dubai
United Arab Emirates

CIVIL ENGINEERING

Professor Matthew Richard Coop

Department of Civil Engineering
Imperial College
South Kensington, London
United Kingdom

ELECTRICAL & ELECTRONIC ENGINEERING

Professor Robert G. Olsen

Associate Dean for Undergraduate Programs and Student Services
College of Engineering and Architecture
Washington State University
Pullman, Washington
USA

MECHANICAL ENGINEERING

Professor Dr. Franz Heitmeir

Dean of the Faculty Mechanical Engineering and Economic Sciences
Head of the Institute for Thermal Turbomachinery and Machine Dynamics
Graz University of Technology
Inffeldgasse, Graz
Austria

PETROLEUM ENGINEERING

Professor Turgay Ertekin

Professor of Petroleum and Natural Gas Engineering
Department of Energy & Geo-Environmental Engineering
The Pennsylvania State University
University Park, Pennsylvania
USA

PETROLEUM GEOSCIENCES

Professor Ronald Steel

Davis Centennial Chair
Department of Geological Sciences
The University of Texas at Austin
Austin, Texas
USA

BUSINESS INFORMATION SYSTEMS

Professor Stephen Ross Elliot

Professor of Business Information Systems
The University of Sydney
New South Wales
Australia

FUNDAMENTAL & APPLIED SCIENCES

Professor Dr Suzeini Bt Abdul Halim

Institute of Mathematical Sciences
Faculty of Science
University of Malaya
Kuala Lumpur
Malaysia

INFORMATION & COMMUNICATION TECHNOLOGY

Professor Peter F Haddawy

Vice President - Academic Affairs
School of Advanced Technologies
Asian Institute of Technology
Klong Luang, Pathumthani
Thailand

MANAGEMENT & HUMANITIES

Professor Peter J Buckley

Director of the Centre for International Business
Leeds University Business School
The University of Leeds
West Yorkshire, Leeds
United Kingdom





THE REPORT



Datuk Dr Zainal Abidin Haji Kasim
Rector

Despite a challenging economic environment in the Financial Year 2009/2010, Universiti Teknologi PETRONAS has remained resilient and committed to ensuring that it continues to be the preferred institution and partner of choice.

With higher costs and lower oil prices impacting the world scenario, Malaysia, PETRONAS and the University has not been spared. Bearing this in mind, the University had embarked on a culture of cost optimization and discipline.

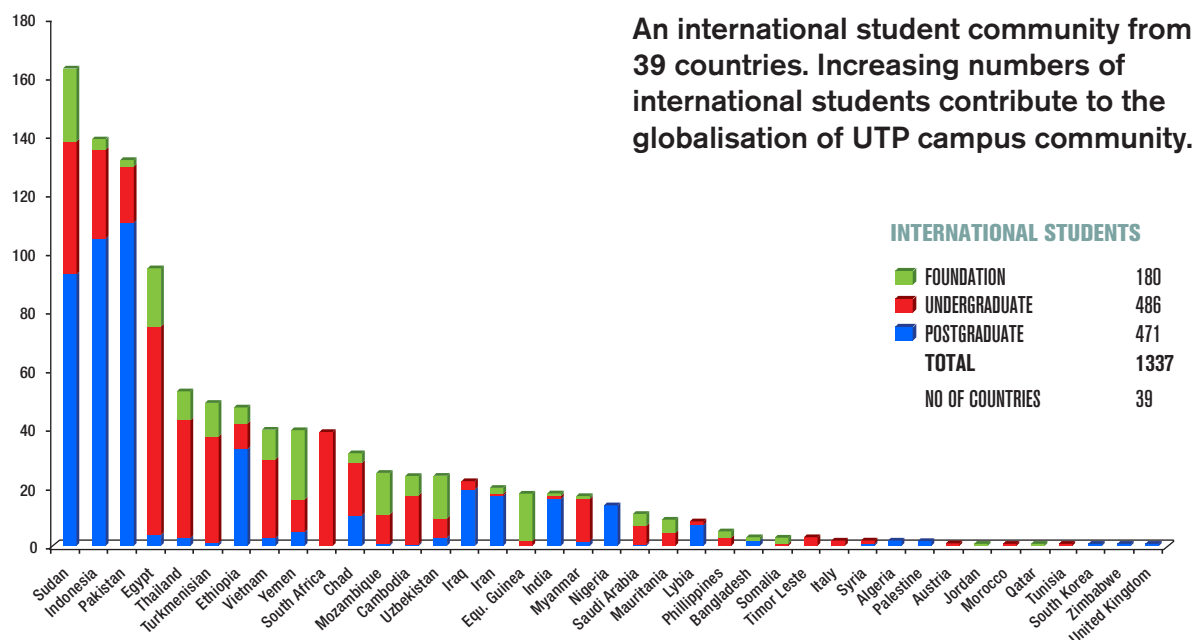
It has been proactive in strategising and coming out with initiatives in several areas of cost optimization including introducing automation, e-learning, improving cyber communication, as well as environmental friendly solutions such as recycling, reducing travel, usage of precious resources and utilities as well as seeking for sponsorship.

UTP remains committed to the ongoing development of its faculty, staff and students. Armed with a faculty strength of 321 lecturers as at 31 March 2010, including 3 sponsored Professorial Chairs, the University has forged ahead with maintaining our high quality of undergraduate education and innovative research environment.

The University's student population stood at 6,520, at foundation, undergraduate and postgraduate levels, almost reaching its target population of 6,600. There has also been an increase in the number of international student intake where their population stood at 1,137 compared to 977 in the previous financial year. The international student community from 39 countries also contribute to the growing globalisation of the University's campus community.

Student Enrollment

Student	Target Population	Status as at 31 March 2010
Foundation	1200	986
Undergraduate	4200	4590
Postgraduate	1200	944
Total	6600	6520



The ratio of publications per lecturer stood at 1.5 with research-active lecturers who produce quality publications such as citation-indexed journals and refereed proceedings as well as undertaking mission-oriented researches and coming out with new innovations via patents and commercialisation of research products. The University recorded a total number of 510 publications in citation-indexed journals including refereed proceedings and filed 27 patents with MyIPO filing number with an additional 3 patents granted status pending MyIPO Certification.

As at 31 March 2010, the number of principal investigators for research stood at 163. In addition, the University received RM40.5 million research grants to enhance its research standing.

The University has also won accolades with various awards both at national and international levels. UTP won a total of 13 gold awards, 5 silvers and 4 bronzes at prestigious expositions such as ITEX (Malaysia), IENA (Germany), INNOVA (Belgium) and the 37th International Exhibition of Invention, New Techniques and Products (Switzerland).

Academic Overview



At UTP, we have always remained true to our commitment in ensuring industry relevant academic programmes. As part of this effort, the University's Academic Advisory Council chaired by YABhg Tun Dr Mahathir Bin Mohamad met at their seventh meeting on Thursday 2 July 2009. The Council, amongst others discussed matters relating to the strategic development of the University including its R&D efforts and international linkages. The Council also acted as a forum for the exchange of ideas between academics and industry practitioners, whilst providing guidance and strategic direction on the development of the University.

The University also organised several conferences that brought together participants from academia and the industry. These included the Regional Conference on the Humanities 2009: Managing Asean's Future (RCH 2009), held in May 2009. The conference was an avenue for reflecting and responding to latent and emerging issues and problems in the study of the Humanities in Malaysia and ASEAN.

The Chemical Engineering Exposition and Symposium (ChExposium 2009) was organised by IChem@UTP in October 2009 to benefit the Chemical Engineering community at UTP. The event aimed at harnessing expertise from experienced industry practitioners,

young professionals and lecturers to transfer knowledge to the students.

The E-Xcel Workshop was held by the University's Research Enterprise Office (REO) in collaboration with the Ministry of Science and Technology (MOSTI) in October and November 2009, respectively, attended by 93 academic staff. The programme aimed to address the competency gap amongst the academic staff especially in applying for government grants and increasing its pool of Principal Investigators.

REO also conducted another workshop on 25 November 2009 for University staff and students on the opportunity to secure fundings and grants from Cradle Fund Sdn Bhd, a company wholly funded by the Ministry of Finance. One of the grants introduced is Cradle Investment Programme Catalyst (U-CIP Catalyst). Its objective is to assist researchers or inventors to commercialise their inventions into marketable products, technologies or services by providing pre-seed funding of between RM50,000 to RM150,000 over a period of 4-12 months.

The University held several Public Lectures featuring eminent figures from both the local and international arenas. On 7 April 2009, Professor George F. Smoot, 2006 Nobel Laureate in Physics presented evidence on the birth of the universe in his talk, "Contemplating the Birth of the Universe".





In complementing the nation's effort in celebrating Malaysian's local icons who excel in their respective fields and disciplines, the University is also proud to be associated with the prestigious Merdeka Award through the Merdeka Award Lecture Series.

YM Royal Professor Ungku Abdul Aziz, a recipient of the Merdeka Award for Education & Community Category delivered a special lecture on 'Real Poverty' at the University's Chancellor Hall on 14 October 2009. This lecture was the first of its kind to be held in Perak.



Prof Dato' Ir Dr Zaini Ujang, Vice Chancellor of UTM and recipient of the Merdeka Award 2009 for Outstanding Scholarship Achievement spoke at a Merdeka Award lecture held on 3 March 2010 at UTP on the topic of "Value Creation in Water Sustainability".

UTP also organised other Merdeka Award lecture series in other local universities throughout this financial year.

Collaborations



The University chartered another milestone in spearheading research excellence and providing enhanced learning experience with the signing of a Memorandum of Understanding (MoU) with Mitsubishi Corporation to establish the Mitsubishi Corporation Chair in Green Technology at UTP. Such collaboration will enable the University to tap the expertise and knowledge of its partners to strengthen its position in research and development in green technology, which is one of the main focus areas of the University and PETRONAS. The Green Technology Chair is Prof Dr Yoshimitsu Uemura. The MoU was signed at the PETRONAS Twin Towers in Kuala Lumpur on 29 April 2009. The University was represented by Datuk Dr Zainal Abidin while Mitsubishi Corporation by its Chief Operating Officer Mr Kazuyuki Mori.

The University also signed a five-year Memorandum of Understanding (MoU) with MIMOS Berhad to collaborate on three research areas - Grid Computing, Micro- Electro Mechanical Systems (MEMS) and Software testing. The collaboration involves two programmes in the University - Electrical & Electronic Engineering (EE) and Computer Information Sciences (CIS) and MIMOS Test Centre of Excellence (MIMOS TestCOE), MIMOS Grid Computing Cluster and MIMOS Micro Systems and MEMS Cluster. At the MoU signing ceremony at the UTP campus on 18 November 2009, the University was represented by Datuk Dr Zainal Abidin Hj Kasim while MIMOS was represented by its Senior Vice President, Technology Strategy, Realisation and Operations, En Abdul Aziz Abdul Kadir. The university already has existing on-going collaborations with MIMOS.

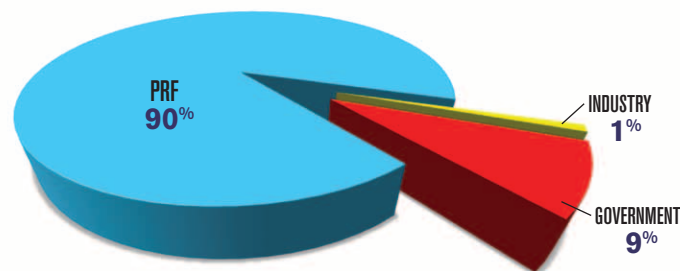
UTP crossed new borders when it inked MOUs with renowned US and Norwegian universities - namely Lehigh University of the United States; and University of Bergen and University of Stavanger of Norway. The MOUs cemented academic and research and development ties. The formalisation of an alliance between these two leading institutions of higher learning is set to pave the way for further collaboration in areas such as staff development programme, student exchange, joint research and teaching and learning programmes. Under the MoU which was signed on 7 January 2010, lecturers may pursue MSc or PhD degrees and work on research attachments or upgrade their technical skills at Lehigh. Students from both Universities, may undertake single semester exchange programme or pursue post-doctoral fellowships. Both universities can also undertake joint research programmes.

The MoU between UTP and the University of Bergen and University of Stavanger was held during the Malaysian-Norwegian Forum of Competence. It was attended by HRH Crown Prince Haakon, YB Dato' Mukhriz Tun Mahathir, Deputy Minister of International Trade and Industry, Malaysia; Mr. Trond Giske, Minister of Trade and Industry, Norway; YBhg Dato' Shamsul Azhar Abbas, President and CEO of PETRONAS and Puan Juniwati Rahmat Hussin, Vice President of Education Division, PETRONAS. The event was held on 9 March 2010 in Kuala Lumpur.

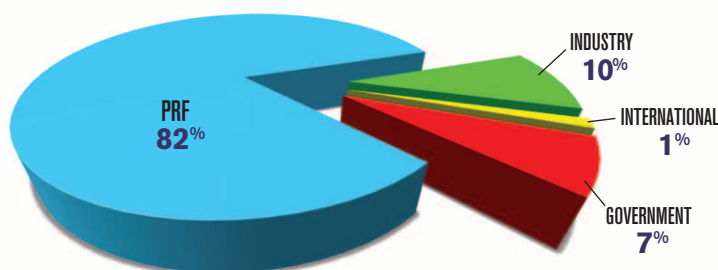
R & D Activities

The University has continued to emphasise on its research and development activities that would contribute to the betterment of society. UTP has endeavoured to secure more grants from the industry, government and internationally, for the Financial year 2009/2010. For this year, funding from the Petroleum Research Fund (PRF), stood at 82 percent while further grants came from the government (7 percent), that is from MOSTI and MOHE, 10 percent from the industry and 1 percent from international sources.

FY 2008/09



FY 2009/10



In this financial year, the University developed the Electrical Safety and Operability Review (ELSOR) Tool. There was no proper tool to assess electrical safety aspects at the PETRONAS plants and this led to a proposal made by Associate Professor Dr Azmi Mohd Shariff and his team.

ELSOR was developed to assess electrical safety and was successfully tested and utilised by Group Technology Solutions (GTS) of PETRONAS for projects such as Cogen Plant Project, PSR2 Revamp Project, Turkmenistan Gas Separation Plant (TGSP) Project, Bokor Power Generation Upgrade and Labuan Gas Terminal Upgrade.

PETRONAS will include the ELSOR review in PETRONAS Technical Standard (PTS) as a requirement for all Green and Brown Field projects.

The University also conducted Observational Clinical Trial for the Computerised Diabetic Retinopathy Grading and Monitoring System in 2008 and 2009. The work was funded by MOSTI's Techno Fund grant of RM1.02 million. The Clinical Trial Report was presented and accepted on 19 January 2010 by the Ophthalmology Department and the Clinical Research Centre, Hospital Selayang.

The system has been effective in the trial and has the potential to be used as a screening tool at primary healthcare for early detection of diabetic retinopathy. Moving forward, a fully-automated system needs to be developed so that it can be used by clinicians and paramedics for primary healthcare. Bio-Tech Corporation is providing advice on the funding mechanism for commercialisation.

Students Achievements and Activities



UTP students received many external awards and recognitions through the many competitions they entered. The UTP team emerged as Champion in the Arau Open Debating Championship 2009 held from 25-30 May 2009. The team also won the Best Speaker Award in the Bahasa Melayu category after a heated debate on the motion of "Pasaran Bebas Berat Sebelah."

UTP again emerged overall champion for both the male and female categories in the Kejohanan Wajadiri Nasional Silat Cekak Hanafi 2009 held on 26 July 2009. The tournament was organised by Persatuan Seni Silat Cekak Ustaz Hanafi Universiti Kebangsaan Malaysia with collaboration from Persatuan Seni Silat Cekak Ustaz Hanafi Malaysia.

On 18 August 2009, UTP team won the Pertandingan Debat Kemerdekaan Ala Parlimen antara IPT. UTP's Bahasa Malaysia debate team had emerged Champion for 2 consecutive years. UTP also grabbed Gold at the Sukan Institusi Pendidikan Malaysia 2009 (SIPMA 2009) held from 11-16 October 2009. Mohamed Ayoub Mohamed who represented the Majlis Sukan Institusi Swasta (MASISWA) swimming team won the following: 4 X 100M Freestyle - GOLD Medal, 4 X 100M Medley - SILVER Medal and 100M Freestyle - BRONZE Medal.

UTP again proved its mettle when its English Language debate team emerged as Champion in the National Novice Debating Championship 2010 held from 19-21 February 2010. Ninety-six teams from various institutions had participated in the competition, making it the largest English Language debating championship in Malaysia to date.

The third edition of Festival of Colours of the World or FESCO 2010 was held on 6 March 2010, at the University's Chancellor Hall with the theme "Creative 1Malaysia Dance" in line with the 1Malaysia concept. UTP won 5 awards including Best Performance, Best Make Up, Best Music, Best Theme and Best IPTS.

From 13-20 March 2010, 36 students representing 27 nations conquered Mount Kinabalu during an Educational Trip to Sabah. Organised by the Student Support Services Department (SSSD), Student Representative Council (SRC) and International Student Council (ISC), the event was supported by PETRONAS Group Corporate Affairs (GCA) and the Education Sponsorship Unit (ESU).

The inaugural 'Red Sonata Fiesta 2010' was held at the University from 23 to 26 March 2010 to promote the 1Malaysia Concept through promoting Chinese culture as well as to enhance interest in local and international students, staff and the public in the understanding of the local cultural background. The concert was graced by the presence of Perak Menteri Besar, YAB Dato' Seri Zambry Abd Kadir and wife, YABhg Datin Seri Saripah Zulkifli.

Our students also organised the 10th Technology, Education & Career Exhibition 2010 on 31 March 2010. This event aimed to create awareness among UTP students and the public on available learning opportunities, job recruitment and the latest available technology. A total of 61 companies participated in the event. The Keynote Address was delivered by Y. Bhg. Dato' Haji Syed Zainal Abidin Syed Mohamed Tahir, Managing Director, PROTON Holdings Bhd.

UTP students were also involved in various Corporate Social Responsibility (CSR) activities such as the 'Tunas Gemilang' project starting in Ramadan 2009. 44 orphans from the Bait Al-Amin Orphanage in Parit, Perak were given tutoring and examination preparation programme plus a Raya shopping spree. The orphans also enjoyed several educational trips to Kuala Lumpur from 17-18 October 2009.

Meanwhile, the ROTARACT Club of Universiti Teknologi PETRONAS (RACUTP) organised a community service trip to "Rumah Kebajikan Kanak-kanak Cacat Negeri Perak" in Batu Gajah, Perak on 12 September 2009. The participants helped with chores such as cleaning the hostel and tidying the rooms.

The annual students' community service programme 'Titian Budi 2010' was held from 13-18 March 2010 at Kampung Bukit Pulau, Bukit Katil, Melaka. With the theme "Semaian Budi, Sentuhan Kasih", a total of 79 students including UTP international students took part in this year's programme. 35 families participated in this programme, with each family adopting 2-3 students.

Corporate Social Responsibility

UTP places great emphasis in undertaking corporate social responsibility in its surrounding communities. The 52nd National Tilawah Al-Quran Assembly was held at the Chancellor Hall of UTP from 14-18 July 2009. Hosted by the state of Perak, state-level champions competed for the national championship title. A total of 4000 guests were present every night throughout the five-day event, which was officiated by the Deputy Prime Minister, YAB Tan Sri Muhyiddin Yassin. The closing ceremony was officially graced by HRH Paduka Seri Sultan Perak Darul Ridzuan, Sultan Azlan Muhibbuddin Shah. The overall champion went to the state of Sarawak.

In its third running, the University conducted a programme called 'Menggapai Impian on 19 November 2009. 104 students from three orphanages and underprivileged centres, Pertubuhan Kebajikan Anak- anak Yatim dan Warga Miskin Bait Al- Amin, Parit, Pertubuhan Kebajikan Anak- Anak Yatim Precious Gift Home, Ipoh and Asrama Anak Yatim Darussalam, Simpang Pulai benefited from the programme. University staff volunteers adopted a child with a minimum of RM 100 in the form of stationery, schoolbags, uniforms and shoes for the new school semester.

During the Chinese New Year season, PETRONAS, in collaboration with the Association of Wives and Female Staff of PETRONAS (PETRONITA) and UTP organised a two-day community programme under its Sentuhan Kasih initiative from 5 to 6 February 2010 at Kampung Baru Bali, Tronoh, Perak. The programme included the refurbishment of the community's common areas and the homes of senior citizens by staff and students of UTP, health screening, talks and exhibition by Pantai Hospital Ipoh and Prince Court Medical Centre, as well as a mural painting and 3-on-3 basketball competitions for schoolchildren of SJK (C) Kampung Bali.

UTP also adopted its first school under the Program Bakti Pendidikan PETRONAS (PBPP). The school, Sekolah Kebangsaan Felcra Nasaruddin in Bota, Perak, is also PBPP's 38th school adopted by PETRONAS family, as well as its first school in the State, making the scheme the biggest school adoption in the country. The school's inclusion into PBPP was officiated by Deputy Director-General of Education Dato' Noor Rezan Bapoo Hashim on 6 March 2010. PBPP is part of PETRONAS' corporate social investment programme to emphasise its commitment in promoting human capital development in the communities wherever the PETRONAS Group operates.

Yayasan UTP

To promote and further the cause of education in Malaysia and globally, the Yayasan UTP was established in 2007. The Yayasan had started its fund-raising activities in this financial year. Contributions to Yayasan UTP will provide much needed funds for the granting of scholarships, supporting research and innovation, the development of activities related to the arts, sports and culture within the campus and supporting the administration of UTP.

Yayasan UTP aims to support the future development of UTP as an academic institution of excellence. It plays a key role in seeking donations and in forging new partnerships with individuals and organisations, and supports UTP through the next phase of its growth as a leading educational institution.

With the generous contributions and assistance from our donors, sponsors and partners, YUTP will be able to build the philanthropic and financial support which is integral to realising UTP's vision as a leader in technology education and a centre for creativity and innovation. All contributions are tax deductible under Section 44(6) of the Income Tax Act 1967.

Yayasan UTP - Types of Funds and Initiatives



CHALLENGES AND MOVING FORWARD

Transformation

As part of its Corporate Agenda to be internationally recognised as a partner of choice for industries and a respected member of scientific communities, UTP has recently embarked on a transformation plan to facilitate its journey to achieve status of a world class Research University.

Certainly, as part of this journey, one of the major milestones the University is targeting for is achieving Malaysian Research University (MRU) status by the year 2013. The criteria for Malaysia's Research University includes :

- Quantity and Quality of Researchers (25%)
- Quantity and Quality of Research (30%)
- Quantity of Postgraduates (10%)
- Quality of Postgraduates (5%)
- Innovation (10%)
- Professional Services and Gifts (7%)
- Networking and Linkages (8%)
- Support Facilities (5%)

Towards this end and based on inhouse auditing, the University has reached an overall score of 58.2 percent as at 31 March 2010, while overall score for 3 years stands at 47.1 percent. Year-on-Year UTP's RU Overall Score has improved from 40 percent in FY 2008/09 to 58 percent in FY 2009/10, whilst the Overall Score for the preceding 3-years has improved to 47 percent (against 30 percent previously). For the next Financial Year, we are targeting at achieving 60 per cent. In order to achieve MRU status, the University has to achieve

an overall score of above 75 percent.

To further propel our journey, the University has formed a team of Transformation Drivers led by the Rector and En Solihuddin Ahmad Nasarudin as head of the Transformation Programme Office (TPO). It has four champions to further drive the Transformation Journey.

They include Prof Ir Dr Ahmad Fadzil Mohamad Hani for Leadership, Hj Mohamed Noor Rosli Baharom for Research Culture, AP Dr Hilmi Mukhtar for Competency and AP Dr Abdul Rashid Abd Aziz for Research Performance.

As part of its action plan under the Transformation Programme, the University has identified road maps and collected data for planning purposes especially in relation to the nine Mission-Oriented Research Fields or MORs.

These nine MORs include Energy, Sustainability Sciences, Megacity, Health, CO2 Management, Enhanced Oil Recovery, Green Technology, Nano Technology and Deepwater Technology. All the MOR focus areas address global issues, challenges and concerns.

In addition, the University has seven R&D Research Centres including the Centre for Automotive Research, Ionic Lab, Centre for Intelligent Signal and Imaging Research, Gas Separation Research, South-East Asia Carbonate Centre (SEACARL), Centre for Enhanced Oil Recovery (COEEOR) and Bio-fuel Research Centre.

Mission Oriented Research



Appreciation

Looking back, the University has delivered a good year in spite of the many challenges faced. We owe our appreciation to the many individuals and organisations that have supported us in our journey of growth and transformation.

I would like to take this opportunity to record my sincere appreciation to our partners, associates and individuals whose expertise and contributions have played a part in our success over the years. Our heartfelt gratitude also goes to Tan Sri Dato' Mohamad Noordin Hassan, former Board Member, who has retired. Tan Sri Dato' Mohamad Nordin is one of the founding members of the University and has contributed significantly towards its development. I would also like to warmly welcome Mr Colin Wong Hee Huing, Vice President of Technology Division, PETRONAS, to the Board.

I would like to express my appreciation to the Chancellor, YABhg Tun Dr Mahathir Mohamad, the Pro Chancellor YBhg Tan Sri (Dr) Mohd Hassan Marican, the Chairman of the Board, YBhg Datuk Ainon Marziah Wahi, Board of Directors, Academic Advisory Council Members, Industry Advisory Panel and External Examiners for their continued guidance and support to the University.

Lastly, my thanks also goes to each and every member of the University, who have given their best to ensure that the University achieves its goals and aspirations. Without your loyalty, hard work and commitment, we would not have come thus far. It is my hope that you will continue to strive for excellence and take the University towards greater heights.

Datuk Dr Zainal Abidin Haji Kasim

Rector





THE ANNUAL REVIEW

MAIN EVENTS

The year saw many events being held at the University, ranging from collaborations and partnerships to corporate events and corporate social responsibility related activities. The following are the main highlights :

APRIL - MAY 2009

1 - 5 APRIL 2009



37th International Exhibition of Invention, New Techniques And Products of Geneva

Three entries by Universiti Teknologi PETRONAS' (UTP) researchers won gold awards in the '37th International Exhibition of Inventions, New Techniques and Products of Geneva' held at the Palace of Expositions (PALEXPO) in Geneva, Switzerland. UTP won 3 Gold, 1 Silver and 1 Bronze Award from all 5 products that were exhibited at the event.

4 APRIL 2009

'Program Khidmat Bakti PSM UTP' At Sekolah Kebangsaan Seri Tronoh

"PROGRAM KHIDMAT BAKTI PSM UTP" was successfully organised by UTP Information Resource Centre in collaboration with Friends of IRC (FiRC) at Sekolah Kebangsaan Seri Tronoh (SKST). The objectives of the programme were to advocate information skills, improve literacy and inculcate reading habits among the pupils of SKST, in line with the government's 'Bangsa Membaca Bangsa Berjaya' reading campaign. The programme focused on refurbishing the school resource centre and helped to enhance the library's collection including providing books from a wide range of subjects, audio visual materials such as DVDs / CDs and a media library section complete with a DVD player. A library system and related hardware were installed including training on librarianship skills to the resource centre custodians.



7 APRIL 2009



Sports & Co-Curricular Appreciation Night 2009

UTP Sports & Co-Curricular Appreciation Night 2009, organised by the Co-Curriculum Unit, was held to give recognition and appreciation to all students and staff who had represented the University in various events and tournaments and have contributed in the development of sports and co-curricular activities in the University.

7 APRIL 2009



2nd ASEAN Event Series “Bridges - Dialogues Towards A Culture of Peace”

Professor George F. Smoot, 2006 Nobel Laureate in Physics presented evidence on the birth of the universe in his talk, “Contemplating the Birth of the Universe”, at the Chancellor Hall, Universiti Teknologi PETRONAS . The talk was part of the “Bridges – Dialogues towards a Culture of Peace” series of lectures in Malaysia. The event was organised in collaboration with PETRONAS and the International Peace Foundation.

14 - 15 APRIL 2009

Technology, Education & Career Fair 2009

Amidst a current global economic downturn, a total of 56 companies participated in the Technology, Education & Career Fair 2009 (TEC 2009) held at the Chancellor Complex of UTP. This programme was jointly organised by the Student Representative Council and the Career Advisory Services Unit of UTP. The objective of this event was to create awareness among UTP students as well as the public on learning opportunities, job recruitment and the latest available technology. The event was officiated by Y.Bhg. Dato’ Azman Shah b Dato’ Seri Haron, President, Malaysian Employers Federation.



22 APRIL 2009



UTP Emerged As Champion In “Festival Tari Piala Tun Dr Siti Hasmah 2009”

UTP Performing Arts Group (UPAG) which was represented by 22 students emerged as the Champion in the “Festival Tari Piala Tun Dr Siti Hasmah 2009” organised by the Stage Art of Traditional Malay Group (SAKTI), Multimedia University (MMU) which was held at Dewan Tun Canselor of MMU, Cyberjaya.

24 APRIL 2009

UTP International Cultural Night 2009

The International Cultural Night (ICN) 2009 was successfully held at the Chancellor Hall. ICN 2009 is a yearly event organised by the International Student Council (ISC) of UTP with the support of the International Student Unit and the Cultural Unit of Student Support Services Department (SSSD) of UTP. The objectives of the event were to provide a venue to display and appreciate cultural performances by UTP international students from various countries of origin and promote integration between the various nationalities of the UTP community.



MAIN EVENTS

24 APRIL 2009



Presentation Of Beicip - Franlab's Dionisos Software

Beicip-Franlab donated additional software – Dionisos (modeling in 3D sedimentary processes) worth approximately RM1.2 million which was received by YBhg Datuk Dr Zainal Abidin b Hj Kasim, Rector of UTP from Mr Nicolas Bianchi, Managing Director, Beicip-Franlab Malaysia. Dionisos® is an integrated software application for modelling in 3D sedimentary processes and generating high resolution 3D stratigraphic model. This software allows assessing the complex interaction between accommodation space, sediment supply and transport through a coupled simulation of sedimentary processes (fluvial, marine to coastal silico-clastic, carbonates). It delivers a physically sound geo-history of sedimentary basin development featuring sedimentary architecture, lithological facies and paleo-bathymetry evolution through space and time.



28 APRIL 2009

UTP Receives Additional Software from Weatherford

Weatherford Country Manager in Malaysia, Mr. Martin McMyler visited Universiti Teknologi PETRONAS (UTP) and officially handed over a software contribution agreement on Petroleum Engineering (PE) Software called WellFlo to the Rector, YBhg Datuk Dr Zainal Abidin Haji Kasim. This ceremony marks the handing over of an additional 25 WellFlo licenses for 25-users, in addition to the current 5-users.



29 APRIL 2009



UTP And Mitsubishi Corporation Ink Deal For Academic Chair Sponsorship In Green Technology

Universiti Teknologi PETRONAS (UTP) charted another milestone in spearheading research excellence and providing enhanced learning experience with the signing of a Memorandum of Understanding (MoU) with Mitsubishi Corporation to establish the Mitsubishi Corporation Professorial Chair in Green Technology at the University.

The MoU is part of a long-term programme between UTP and Japan's largest general trading company that will pave the way to enhance relationship between the industry and academia in developing industry relevance research and creating a pool of knowledgeable and skilled human capital.

5 - 10 MAY 2009

UTP Emerged As 2nd Runner-Up In National Robocon 2009 Competition

UTP Syntium, one of the two UTP teams which participated in National Robocon 2009 competition, emerged as 2nd runner-up in the competition which was held at Stadium Melawati, Shah Alam. The event was jointly organised by the Ministry of Higher Education (MOHE), Ministry of Science, Technology and Innovation (MOSTI), Radio Televisyen Malaysia (RTM) and SIRIM Berhad. It was officiated by the Higher Education Minister, YB Dato' Seri Mohamed Khaled Bin Nordin.



15 MAY 2009



Engagement Session With UTP Alumni

UTP Alumni Association in collaboration with UTP Career Advisory and Alumni Relations Unit successfully organised an engagement session at the PETRONAS Twin Towers (PETT). The main objective of this event was to meet UTP alumni who are currently working at PETRONAS and other companies in Kuala Lumpur and share with them on UTP's development as well as to get feedback from the alumni members.

MAIN EVENTS

15 - 17 MAY 2009

More Gold For UTP In 20th International Invention, Innovation And Technology Exhibition (ITEX '09)

Universiti Teknologi PETRONAS (UTP) team did well in the 20th International Invention, Innovation and Technology Exhibition (ITEX '09) by winning 5 Golds, 3 Silvers and 1 Bronze Award.

This achievement indeed testifies to the strength of the university in aspiring to be a centre of innovation and creativity. Organised by the Malaysian Invention and Design Society (MINDS), the exhibition was held at the KL Convention Centre. This is the region's leading exhibition to showcase new inventions, technologies and products, with the aim to secure investment, manufacturing and commercialisation prospects and partners.

18 - 19 MAY 2009

Regional Conference On The Humanities 2009 : Managing Asean's Future (RCH 2009)

The Department of Management and Humanities, Universiti Teknologi PETRONAS organised its Inaugural Regional Conference on the Humanities 2009: Managing ASEAN's Future (RCH 2009). This conference is an avenue for reflecting and responding to latent and emerging issues and problems in the study of the Humanities in Malaysia and in ASEAN.



25 - 30 MAY 2009

UTP - The Champion In The Malay Category Debate

UTP Malay debate team emerged as the Champion and won the Best Speaker award in the Arau Open Debating Championship 2009 Bahasa Melayu category. The competition was organised by UiTM Perlis. It was an international level championship consisting of two categories: Bahasa Melayu and English Language.

30 - 31 MAY 2009

Career Summit For Future Malaysian Leaders (CASFUMAL 09)

CAREER SUMMIT FOR FUTURE MALAYSIAN LEADERS (CASFUMAL) 2009 themed 'Career Through Leadership' was held at the Pan Pacific KLIA Hotel. CASFUMAL 2009 provided 300 student leaders from across 20 institutions of higher learning with fresh perspectives of leadership values through the sharing of experiences from top-notched industry leaders. Officiating the event was Chief Executive Officer of Air Asia X, En. Azran Osman-Rani, witnessed by Pn. Juniwati Rahmat Hussin, Vice President, Education Division PETRONAS, Datuk Dr. Zainal Abidin Hj. Kasim, Rector of Universiti Teknologi PETRONAS and UTP student leader, Mr. Mohd. Shafiq Supenah, Project Manager of CASFUMAL'09.



JUNE - JULY 2009

6 - 10 JUNE 2009

Mission Awareness Programme (MAP) 2009

In its quest to produce well-rounded graduates who are capable of becoming future leaders in various fields, the university strongly encourages its students to be part of a caring society which contributes in various ways to the needs of the general public and community; thus, assisting in promoting a positive UTP image to the public.

With its objective to generate healthy social integration between the local community and UTP international students, the university again, for the fifth time since 2005, organised the Mission Awareness Programme (MAP 2009) with the theme 'Touching Lives, Building the Future'.



MAIN EVENTS

13 - 14 JUNE 2009

UTP Hosted The Inter Government Linked Universities Sports Tournament 2009

The Inter Government Linked Universities (GLU) Sports Tournament 2009 was organised at Universiti Teknologi PETRONAS (UTP). The tournament witnessed the participation of 200 staff from Multimedia Universiti (MMU), Universiti Tenaga Nasional (UNITEN) and UTP. Five games namely football, volleyball, badminton, netball and bowling were contested.

2 JULY 2009

Academic Advisory Council Meeting 2009

The Academic Advisory Council of Universiti Teknologi PETRONAS (UTP) had their seventh meeting at level 42, Tower 1, PETRONAS Twin Towers. The Council amongst others discussed matters relating to the strategic development of the university including its R&D efforts and international linkages. The Council also acts as a forum for the exchange of ideas between academicians and those from industries, whilst providing guidance and strategic direction on the development of the university.



3 - 4 JULY 2009

UTP Emerged as Champion in Masiswa Games 2009

Universiti Teknologi PETRONAS (UTP) emerged as the overall champion in the Private Institution of Higher Education Sports Council (MASISWA) Games 2009 for the north zone, which was held at the campus from 3 – 4 July 2009. This event was jointly organised by the Ministry of Higher Education and hosted by UTP. The annual MASISWA Games serves to promote a competitive spirit, instil a sense of alertness and foster social harmony through racial integration in sports. It is also meant to produce graduates who are positive in their outlook, proactive, constructive and creative in their thinking and steadfast and committed towards realising their vision statements.



14 - 18 JULY 2009



52nd National Tilawah Al-Quran Assembly

The 52nd National Tilawah Al-Quran Assembly was held at the Chancellor Hall of UTP. Hosted by the state of Perak, this event witnessed the champions from the various states in Malaysia competing for the national champion title. This event was also broadcast live on TV1.

About 4000 guests were present every night throughout the five-day event which was officially opened by the Deputy Prime Minister of Malaysia and officially closed by DYMM Paduka Seri Sultan Perak Darul Ridzuan. Prizes to the winners were presented by DYMM Paduka Seri Sultan Perak Darul Ridzuan and DYMM Paduka Seri Permaisuri Perak Darul Ridzuan.

17 JULY 2009

Invitational International Student Sports Carnival 2009

38 International and 10 local students participated in the Invitational International Student Sports Carnival 2009 which was held at Sunway University College Petaling Jaya, Selangor. This sports carnival was jointly organised by the Ministry of Higher Education and Sunway University College. The main objective of the programme was to establish and foster healthy relationship amongst international students studying in Malaysia. UTP was among the 25 Institutions of Higher Learning which participated in the carnival involving 3 games - Tug of War (M&F), Futsal (M) and Basketball (M&F) which was officiated by Dr. Hou Kok Chung, Deputy Minister of Higher Education Malaysia.

26 JULY 2009

UTP - Emerged As Champion In Kejohanan Wajadiri Nasional Silat Cekak Hanafi 2009

Universiti Teknologi PETRONAS (UTP) has emerged as the overall champions for both the male and female category in the Kejohanan Wajadiri Nasional Silat Cekak Hanafi 2009 which was held at Universiti Kebangsaan Malaysia (UKM) Bangi, Selangor. This event was organised by Persatuan Seni Silat Cekak Ustaz Hanafi Universiti Kebangsaan Malaysia with collaboration from Persatuan Seni Silat Cekak Ustaz Hanafi Malaysia.

MAIN EVENTS

25 - 28 JULY 2009



UTP Hosts Inter Varsity Environmental Debate 2009

The 19th Inter Varsity Environmental Debate was held at Universiti Teknologi PETRONAS. The event which was jointly organised by UTP and the Department of Environment was participated by 22 public and private Higher Learning Institutions. This year's competition also saw UTP being the first ever Private Higher Learning Institution as the host. YB Datuk Sri Panglima Joseph Kurup, Deputy Minister of Natural Resources and Environment witnessed the final round of the debate and presented prizes to the winners during the closing ceremony on 28 July 2009 at the University's Chancellor Hall. Universiti Putra Malaysia (UPM) emerged as the champion while Multimedia University (MMU) emerged as the 1st runner-up in the finals. Both universities earlier defeated their opponent Universiti Sains Malaysia (USM) and Universiti Teknologi PETRONAS (UTP) respectively in the semi-finals.

AUGUST - SEPTEMBER 2009

12 - 14 AUGUST 2009

3rd National Internship Challenge 2009

Twelve UTP students from the Young Entrepreneurs Club (YEC) and Students In Free Enterprise (SIFE UTP) who had participated in the 3RD NATIONAL INTERNSHIP CHALLENGE 2009 in Kuala Lumpur had enhanced UTP's image by qualifying for the final rounds and winning the following 3 awards: 2nd Runner Up , Potential Entrepreneur Award and Innovative Award.

16 AUGUST 2009



Ninth Convocation Ceremony of UTP

A total of 1169 UTP students graduated in their respective fields of studies at the Ninth Convocation Ceremony held at the campus in Bandar Seri Iskandar, Perak. Out of this figure, 1075 were undergraduates from various programmes i.e Chemical Engineering, Civil Engineering, Electrical & Electronics Engineering, Mechanical Engineering, Business Information Systems and Information and Communication Technology and 94 were postgraduates from Civil Engineering, Electrical & Electronics Engineering, Chemical Engineering, Mechanical Engineering, Information Technology Engineering, Petroleum Engineering and Petroleum Geoscience. All graduates received their scrolls from the Chancellor, Tun Dr Mahathir bin Mohamad for the first session and from President of PETRONAS who is also the Pro-Chancellor of the University, Tan Sri Dato' Sri (Dr) Mohd Hassan Marican for the second session at the University's Chancellor Hall.



18 AUGUST 2009

'Pertandingan Debat Kemerdekaan Ala Parlimen' Inter Higher Learning Institutions

Universiti Teknologi PETRONAS (UTP) Bahasa Malaysia debate team had shown their true colours again in the "Pertandingan Debat Kemerdekaan Ala Parlimen antara IPT" an annual debating competition participated by all public and private higher learning institutions. The UTP debate team retained the title when they again emerged as the Champion in this prestigious debate competition, hence retaining the title for 2 consecutive years.



MAIN EVENTS

4- 6 SEPTEMBER 2009

UTP Peer Helper : Beyond Horizon Motivational Outreach Camp II

UTP Peer Helper had organised Beyond Horizon Motivational Outreach Camp II 2009 at Sekolah Berasrama Penuh Integrasi Gopeng, Perak. 44 UTP student facilitators were involved in delivering motivational and educational modules to the Form 4 students. Among the objectives of this programme are to inspire the younger generation to excel in academic performance, to expose students to UTP campus life as well as motivate them to become well-rounded students.

4 - 7 SEPTEMBER 2009

Residential College Mesra Outreach VII

Residential College Support Unit (RCSU) had successfully organised a programme called Residential College Mesra Outreach VIII (RECMO VIII) at Felda Ijok, Selama, Perak. The programme was participated by 70 UTP students consisting of local and international students. RECMO is a social service programme and its the objectives include to generate social interaction between University students and the surrounding community and to motivate the less fortunate children to face future challenges in a positive way.

10 SEPTEMBER 2009



IFTAR With PETRONAS At Masjid An-Nur UTP

PETRONAS held an Iftar gathering in Perak at Masjid An-Nur, Universiti Teknologi PETRONAS (UTP), hosted by YBhg Datuk Nasarudin Md Idris, Vice President, Corporate Planning & Development Division PETRONAS.

In the spirit of sharing and giving, the gathering saw a turnout of more than 2000 guests, including 40 less fortunate members of the community from nearby areas such as Tronoh, Kampung Bali, Kg Serkai Jadi, Kg Kurnia, Kampung Merbau and Bandar Universiti. They were treated to a delectable feast, some goodies and Hari Raya tokens. The special guests were obviously touched by the gesture, judging from their expressions of joy and excitement.



13 SEPTEMBER 2009

Making Dodol & Bubur Lambuk and International Students IFTAR

International Students Unit, Residential College and Mosque Administration Unit of Universiti Teknologi PETRONAS (UTP) organised a programme called “Making Dodol & Bubur Lambuk and International Students Iftar” at the campus in Bandar Seri Iskandar. The main objective of this programme is to establish and strengthen the relationship between international students and local students especially in introducing Malaysian culture of making local delicacies and experiencing the Iftar together.



MAIN EVENTS

25 - 27 SEPTEMBER 2009

International Students Home Stay And Community Service 2009 At Kg Jelawang, Kelantan

The International Student Unit has sent about 25 international students and 3 local students to the “International Student Home Stay and Community Service 2009 Programme” at Kampung Jelawang, Kelantan Darul Naim.

This programme was organised by the Ministry of Higher Education in collaboration with the International Islamic University Malaysia (IIUM). The objective of the programme is to establish and foster relations among international students studying in Malaysia with the local community, and getting to know local culture. The programme was officiated by Puan Norhayati Daud, Senior Assistant Director, Ministry of Higher Education Malaysia. Eleven families participated in this programme with each family adopting 2 to 5 students.

OCTOBER - NOVEMBER 2009

3 OCTOBER 2009

Deepavali And Indian Cultural Nite ‘ 09

Indian Cultural Nite 2009 (UDCN09), an event organised by Village 5 Student representatives (V5SR) in collaboration with UTP Indian Orchestra and International Cultural Club (ICC) witnessed 1200 people attending the event which was held in Chancellor Hall. The audience composed of UTP students, school students as well as the general public from Ipoh and the surrounding area.

This event managed to achieve its objectives, including to introduce and share the unique and versatile Indian culture and to portray unity among Malaysians through cultural performances - Gamelan, Chinese Orchestra & Indian Orchestra.



9 OCTOBER 2009



Aidilfitri @ Universiti Teknologi PETRONAS (UTP)

In the spirit of Aidilfitri, Universiti Teknologi PETRONAS together with Kelab Sosial & Kebajikan Kakitangan UTP (KSKKU) and PETRONITA Perak Branch held a Hari Raya gathering at the Plaza of the Chancellor Complex. Held annually to celebrate and strengthen ties in the true spirit of the festival, over 1,500 guests including state government officers, staff of PETRONAS OPUs in Perak, members of the media, UTP staff and their family members attended this joyous occasion.

On hand to personally greet the guests were Puan Juniwati Rahmat Hussin, Vice President of Education PETRONAS accompanied by her husband, En Mohd Harun bin Pin, UTP Rector Datuk Dr Zainal Abidin B Hj Kasim, accompanied by his wife, Datin Rosemi bt Hamdan, Chairperson of PETRONITA Perak and Assoc.Prof Dr Mohd Noh Karsiti, Chairman of Kelab Sosial dan Kebajikan Kakitangan Universiti (KSKKU).

10 - 11 OCTOBER 2009

UTP Marked its Name in The Malaysia Book Of Records

UTP has marked its name in the Malaysia Book of Records during the 'Kick-A-Ton' event which was organised in conjunction with the Martial Arts Fest 2009. The event which was organised by the University's Sekretariat Rakan Muda, Ministry of Youth & Sports and Ipoh City Council was held at Sultan Abdul Aziz Recreational Park or known to the public as 'Padang Polo Ipoh'.



MAIN EVENTS

14 OCTOBER 2009



Special Lecture By YM Royal Professor Ungku A.Aziz On Real Poverty

Yang Mulia Royal Professor Ungku A.Aziz, Recipient of Merdeka Award for Education & Community Category delivered a special lecture on 'Real Poverty' at the Chancellor Hall of Universiti Teknologi PETRONAS (UTP) recently. This is another lecture under the Merdeka Award Lecture Series and it is the first of its kind to be held in Perak.

YM Royal Professor Ungku A. Aziz who is a well-known leading economist in Malaysia and Asia has made distinguished achievements in Malaysia's education and lasting contributions towards Malaysia's community development. He has conducted research on poverty for 35 years, and in his speech, he shared his views on three causes of poverty in rural areas which are:

- Lack of productivity (i.e farmers have limited land to work on)
- Exploitation because of 2MM System (Monopoly and Monopsony)
- Neglected of development since they are located far from developed areas.



21 - 22 OCTOBER 2009

24th Edition Of UTP Engineering Design Exhibition (EDX24)

For the 24th time, Engineering Design Exhibition has become the main educational activity held every semester at UTP. Engineering Design Exhibition (EDX) is conducted mainly to showcase the students' innovations and creative ideas as well as provide a platform for students and staff to exhibit their projects to visitors. EDX comprised of several categories; Engineering Team Project (ETP), Final Year Project (FYP), Open Innovation Competition (OIC) and Postgraduate Project.



21 - 23 OCTOBER 2009

ChExposium 2009

The Chemical Engineering Exposition and Symposium (ChExposium 2009) was organised by IChem@UTP to benefit the Chemical Engineering community at UTP. The events were Sharing Sessions (Industrial Internship, Student Exchange Programme, Study Abroad Programme and Chemical Engineering Specialisation), Industrial Talk Series, ChemE-Car Team Selection and Chemical Engineering Department Awards & High-tea Reception. The symposium aims at harnessing expertise from experienced industry practitioners, young professionals and lecturers in order to transfer knowledge to the students.

23 OCTOBER 2009

Groom To Lead : UTP Interns Undergo Leadership Training At GE In Florence, Italy

General Electric (GE), a company which was established by Thomas Edison (the electric lamp inventor); recently selected 3 UTP students to undergo a 3-month leadership training at its learning institute in Florence, Italy. For Muhammad Yusuf Hashim (Petroleum Engineering), Dan Hui Xuan (Petroleum Engineering) and Aaron Lai Ser Chun (Civil Engineering), it was indeed a privilege to have such an opportunity to be taught and exposed on business best practices and corporate governance by a global top company for leadership.

5 - 9 NOVEMBER 2009



UTP's Achievements in IENA 2009, Nuremberg Germany

UTP research teams bagged 2 golds, 1 silver and 1 bronze medal during the International Trade Fair "Idea-Inventions-New Products" (IENA 2009) held in Nuremberg, Germany from 5 – 9 November 2009. This is the 61st IENA organised and UTP participated in the exhibition for the first time by submitting 4 research works for the competition.

MAIN EVENTS

18 NOVEMBER 2009

UTP And MIMOS To Collaborate On Grid Computing, MEMS And Software Testing

Universiti Teknologi PETRONAS (UTP) signed a five-year Memorandum of Understanding (MoU) with MIMOS Berhad to collaborate on three research areas - Grid Computing, Micro-Electro Mechanical Systems (MEMS) and Software Testing. The collaboration involves two programmes in UTP – Electrical & Electronic Engineering (EE) and Computer Information Sciences (CIS) – and MIMOS Test Centre of Excellence (MIMOS TestCOE), MIMOS Grid Computing Cluster and MIMOS Micro Systems and MEMS Cluster.



19 NOVEMBER 2009

Menggapai Impian 2009

PETRONAS places great emphasis in undertaking its corporate social responsibility on the surrounding communities where it has its operations locally and abroad. Similarly, the University shares the value espoused by PETRONAS and today, for the third time, it has taken the initiative to conduct a programme called 'Menggapai Impian' which is designed with the aim of enhancing the learning experience of the underprivileged in order for them to enjoy a better learning environment. For this year, 104 students from three (3) orphanage and underprivileged centres ;Pertubuhan Kebajikan Anak-anak Yatim dan Warga Miskin Bait Al-Amin, Parit, Pertubuhan Kebajikan Anak-anak Yatim Precious Gift Home, Ipoh and Asrama Anak Yatim Darussalam, Simpang Pulai.

Under this initiative, UTP staff volunteers adopted a child before the school semester starts and sponsored the child with a minimum of RM100.00 in the form of stationery items, schoolbags, uniforms and shoes for the preparation for the new school semester. It is hoped that this contribution will lessen the burden of the homes and will spur the children to work harder.



19 - 21 NOVEMBER 2009

3 Golds For UTP In Innova Brussels 2009

Universiti Teknologi PETRONAS (UTP) has marked another international triumph by winning 3 golds and 1 bronze medal in all 4 research works submitted at Innova Brussels 2009 held in Brussels, Belgium. The gold medal with Innova Brussels Special Award was won by a three-member research team led by Assoc. Prof. Dr Patthi Husain through their research 'SOLJO-CERMET- A solid state joining of ceramic with metal'. A project titled 'A Versatile EM Transmitter' 'by a four-member research team led by Assoc. Prof. Dr Noorhana bt Yahya won gold with Special Mention. Another gold was won by a team led by Assoc Prof Dr Ibrahim Kamaruddin with the project titled 'ACCI BAGS - Early Vehicle Collision Detection and External Airbag System'.

22 - 23 NOVEMBER 2009

UTP Team Placed 1st Runner-Up at ACM ICPC Al-Khawarizmi Programming Contest

UTP programming team emerged as the 1st Runner-Up in the International Collegiate Programming Contest (national level) hosted by Kulliyyah of Information and Communication Technology, International Islamic University Malaysia (IIUM).

27 NOVEMBER 2009

Eid-Mubarak Activity For International Students

The International Student Unit (ISU) and International Student Council High Committee (ISC) led by ISC Welfare Exco 1 Mr. Mohammed Ahmed Omer (from Sudan) and ISC Welfare Exco 2 Mr. Issa Abdramane (from Chad) had organised the Eid-Mubarak Celebration Programme at Kampung Trong, Perak.

This programme was participated by 3 local and 32 international students from Egypt, Sudan, Chad, Indonesia, Pakistan, Mauritania, Uzbekistan and Ethiopia. The main objective of this programme is to enhance integration and expose Malaysian culture amongst UTP international students.

MAIN EVENTS

30 NOVEMBER - 4 DECEMBER 2009

Rakan Muda UTP - 'Salam Darussalam' Cross Cultural Programme

33 members of the youth secretariat of "Rakan Muda UTP" in collaboration with BRUNEI DARUSSALAM AID COUNCIL (PENYINAR) and NATIONAL ANTI-DRUG ASSOCIATION OF BRUNEI DARUSSALAM (BASMIDA) organised a Cross Cultural programme called 'Salam Darussalam'. This educational and cross cultural visit to Brunei Darussalam included a series of community services activities.

DECEMBER 2009

2 - 5 DECEMBER 2009

SIFE UTP Won Aries Malaysia Business IT Case Challenge

Our students from Students In Free Enterprise (SIFE UTP) of Young Entrepreneurs Club (YEC) had won the ARIES MALAYSIA BUSINESS IT CASE CHALLENGE 2009 which was held at Universiti Kuala Lumpur. SIFE UTP had defeated 14 other teams from 11 local universities including UNITEN, UIA, UKM, UPSI, UUM and the host UNIKL. This competition covers several Business, Information System as well as Information Technology subjects such as E-Commerce, Finance, Data Communication and Networking, Knowledge Management and Management Information System. Acting as a consultant, each team was given a real life case study on a company business IT situation and was required to present their ideas and solutions to the panel of judges from renowned companies such as Microsoft, Cisco, Knowledge.com and CBS.

10 - 16 DECEMBER 2009

UTP Rotaract Club International Goodwill And Ecotour Programme In India

UTP Rotaract Club organised a goodwill and ecotour programme to India from 10 - 16 December 2009. Ten students were involved in this programme together with a staff from Student Support Services Department as advisor. The group was also accompanied by the President of Kinta Rotaract Club, Ipoh. The objectives of this trip were to:

- instil the awareness of serving the community, the needy and inculcating the spirit of generosity amongst the participants.
- expose the participants to the poverty and famine prevalent in India.
- promote ecotourism by travelling to nature areas and being responsible in conserving the environment and improving the well-being of local people.
- explore the heritage and cultural diversity in India.
- promote international understanding among the club members and Rotaractors from different districts.

12 - 13 DECEMBER 2009

PSSCM UTP Won 5 Medals At Karnival Wajadiri IPT Kebangsaan Kali Ke-3

"Karnival Wajadiri Kebangsaan IPT Kali ke-3 2009", a martial arts demonstration competition, was organised by Persatuan Seni Silat Cekak Malaysia (PSSCM) at UiTM Puncak Alam, Shah Alam, Selangor. 32 participating teams from several universities and colleges all around Malaysia took part in the competition. Two major events of the competition were the Demonstration Competition and Grand Dinner. The opening ceremony was officiated by YB Datuk Mohamed Khaled Nordin, Minister of Higher Education at Dewan Angsana, UiTM Puncak Alam while the Grand Dinner was graced by Tan Sri Dato' Seri Prof. Dr Ibrahim Abu Shah, Vice Cancellor of UiTM Malaysia at Dewan Rafflesia, UiTM Puncak Alam. titled 'ACCI BAGS - Early Vehicle Collision Detection and External Airbag System'.

The competition comprised of four categories. Participants from PSSCM Universiti Teknologi PETRONAS (UTP) won 5 medals:

- 1 Gold Medal (Category 4)
- 1 Silver Medal (Category 1 - Women)
- 3 Bronze Medals (Category 1 - Men, Category 2 - Men, Category 2 - Women)

MAIN EVENTS

JANUARY - FEBRUARY 2010

7 JANUARY 2010



MOU Signing Ceremony With Lehigh University

UNIVERSITI Teknologi PETRONAS (UTP) and Lehigh University of the US have signed a memorandum of understanding to cement academic and research and development ties. The formalisation of an alliance between these two leading institutions of higher learning is set to pave the way for further collaboration in areas such as staff development programme, student exchange, joint research and teaching and learning programmes.

Under the MoU, UTP lecturers may pursue MSc or PhD degrees and work on research attachments or upgrade their technical skills at Lehigh. Students from both Universities, on the other hand, may undertake single semester exchange programme or pursue post-doctoral fellowships. Both universities could also undertake joint research programmes. UTP Rector, Datuk Dr Zainal Abidin Kasim welcomed the tie-up, pointing out that a “young” UTP could only benefit from the almost 140-year-old Lehigh University’s experience.

23 JANUARY 2010

Merdeka Award Lecture By Professor Dr Halimaton Hamdan

In the spirit of sharing the experience and success stories of the recipients, the Merdeka Award Lecture Series was initiated in September 2008 and UTP has been tasked to organise this series of lectures at various selected local universities. Last year, 8 lectures were organised at various locations including Universiti Sains Malaysia (USM), Universiti Kebangsaan Malaysia (UKM), Monash University, Kuala Lumpur Convention Centre and Universiti Malaysia Sabah (UMS), Universiti Teknologi PETRONAS (UTP), Universiti Malaya Medical Centre (UMMC) and Universiti Teknologi MARA (UiTM). Prof Dr Halimaton, joint recipient of the Health, Science and Technology category, spoke at the Lecture series.



1 - 3 FEBRUARY 2010

Minggu Mesra Kampus (MMK)

Minggu Mesra Kampus (MMK) was held from 1- 3 February 2010 at Pocket D in line with the objective to act as a platform for clubs and societies in UTP to promote themselves in recruiting new members, especially among the new students. 50 booths were operated by various clubs and societies. Student Representative Council (SRC) took the initiative by providing a column for the students to express their concerns and thoughts about the campus. ESQ and Telekom Malaysia acted as external exhibitors for this event.

5 - 6 FEBRUARY 2010

PETRONAS Brings Joy to 470 Families At Kampung Baru Bali

PETRONAS brings some Chinese New Year cheer to about 470 families of Kampung Baru Bali, Tronoh in Perak through its two-day community programme under its Sentuhan Kasih initiative to usher in the Year of the Tiger. The activities lined up include the refurbishment of the community's common areas and the homes of senior citizens by staff and students of UTP, health screening, talks and exhibition by Pantai Hospital Ipoh and Prince Court Medical Centre, as well as mural painting and 3-on-3 basketball competitions for schoolchildren of SJK (C) Kampung Bali.



12 FEBRUARY 2010

Inaugural ISC Leadership & Management Seminar

The International Student Council (ISC), led by the High Committee, organised the inaugural Leadership & Management Seminar for the new line-up of the ISCUTP Committee. The programme was held at the Undercroft, Chancellor Complex, UTP. The objectives of this programme are to enhance the management and leadership skills of the committee members, cultivate a sense of responsibility and belonging to the organisation and university, and help generate ideas for the committee to come up with proper planning to achieve the missions and objectives of ISC.

MAIN EVENTS

19 - 21 FEBRUARY 2010



UTP English Language Debate Team Emerged As Champion In The National Novice Debating Championship

UTP English Language debate team had emerged as the Champion in the National Novice Debating Championship 2010. The competition was organised by Universiti Teknologi MARA in Shah Alam, Selangor. 96 teams from various institutions had participated in the competition, making it the largest English Language debating championship in Malaysia to date. UTP sent 3 English Language Debating teams to participate in this championship.

19 - 21 FEBRUARY 2010

UTP Leadership Programme For Student Leaders

The Leadership Programme for UTP Student Leaders was organised by Counseling & Students Development Unit, Students Support Services Department at Bukit Merah Laketown Resort, Perak. The programme was organised by UTP staff with participation of 69 student leaders from various registered clubs and societies as well as student bodies including SRCUTP, RCSU, Sekretariat Rakan Muda, Peer Helpers and programme based leaders such as TEC, CASFUMAL, NUC, SPE, CG, Tunas Cemerlang and many more.

21 - 24 FEBRUARY 2010



IRC Karnival 1 Malaysia 2010

Friends of Information Resource Center (FIRC) in collaboration with Information Resource Centre UTP (IRCUTP) and Perpustakaan Negara Malaysia (PNM) had organised an event called IRC Karnival 1Malaysia. The main objective of this event is to introduce the roles and functions of Information Resource Centre (IRC) and also to inculcate reading culture amongst the students as well as the surrounding community.

The IRC Karnival 1Malaysia 2010 was officiated by Tuan Haji Mohamed Noor Baharom, Director of Student Services with the presence of YBhg Dato' Raslin Abu Bakar, Director General, Perpustakaan Negara Malaysia and witnessed by the 1st Malaysian Astronaut, YBhg Dato' Dr Sheikh Muszaphar Shukor, UTP students, public and school students at UTP Chancellor Hall.

MARCH 2010

2 MARCH 2010



Interfaith Understanding Dialogue

15 student bodies and clubs of Universiti Teknologi PETRONAS (UTP) organised an inaugural Interfaith Understanding Dialogue (InFUD) at the University's Chancellor Hall. With the title 'The Concept of God According to My Religious Scripture', this dialogue managed to attract 2500 staff and students, including YBhg Datuk Dr Zainal Abidin Haji Kasim, Rector of UTP and the management committee members to attend this session.

The objectives of the event are manifold. This includes; to understand and integrate UTP multiracial community through a common ground i.e. religion and believe in faith as well as acting as a platform where the university community could discuss openly on similarities between faiths, understanding of values, and commitment to the university and the world.

3 MARCH 2010

Merdeka Award Lecture By Professor Dato' Ir Dr Zaini Ujang

In the spirit of sharing the experience and success stories of the recipients, the Merdeka Award Lecture Series was initiated in September 2008 and UTP has been tasked to organise this series of lectures at various selected local universities.

This year, the first lecture started at UTP with Professor Dato' Ir Dr Zaini Ujang, winner of Outstanding Scholastic Achievement category. He spoke on the topic, "Value Creation in Water Sustainability". He is currently the Vice Chancellor of Universiti Teknologi Malaysia (UTM), a position he has held since October 2008. As an environmental engineer, Prof Zaini looks into water quality, the design of water infrastructure and the important parameters of water. He cites the redefinition of wastewater as a significant milestone in his research career.



MAIN EVENTS

6 MARCH 2010



Program Bakti Pendidikan PETRONAS Reaches Out To Perak

Universiti Teknologi PETRONAS (UTP) adopted its first school under the Program Bakti Pendidikan PETRONAS (PBPP). The school, Sekolah Kebangsaan Felcra Nasaruddin in Bota, Perak, is also PBPP's 38th school adopted by the PETRONAS family, as well as its first school in the State, making the scheme the biggest school adoption programme in the country.

Under the scheme, PBPP has initially identified 41 "borderline" Year 4 students from underprivileged families who will be introduced to and participate in a host of structured academic and non-academic activities to improve their performance and confidence levels. The students will receive weekly tuition classes conducted by specially appointed teachers and participate in monthly extra-curricular activities conducted by volunteers from UTP.

6 MARCH 2010

Festival of Colours of The World (Fesco 2010)

Festival of Colours of the World or FESCO 2010 was successfully held at the Chancellor Hall, Universiti Teknologi PETRONAS. The theme "Creative One Malaysian Dance" was chosen for this year in support of the Prime Minister's vision – 1Malaysia. Entering its third year edition, this event was organised by the Co-Curriculum Unit, Student Support Services Department, Universiti Teknologi PETRONAS (UTP) and UTP Performing Arts Group (UPAG), in collaboration with PETRONAS, Secretariat HEP IPTS, and supported by the United Nations Educational, Scientific and Cultural Organisation (UNESCO).

The main objective of the event was to educate the public, including the international community, to have a better understanding and appreciation towards the nation's rich cultural diversity, fine arts and uniqueness. The event also served as a platform to inculcate and develop good camaraderie amongst the participating universities.



6 - 7 MARCH 2010

PETRONAS Country Managers' Annual Roundtable Dialogue Visit To UTP

11 PETRONAS Country Managers (CM) and 3 representatives from 3 PETRONAS Country offices visited UTP for the annual PETRONAS Country Managers' Roundtable Dialogue Visit to UTP. This was the third time it was organised. This programme was organised by PETRONAS International Business Unit (IBU) and UTP.

9 MARCH 2010

UTP Signed MOU With Two Norwegian Universities

The signing of a Memorandum of Understanding (MoU) between Universiti Teknologi PETRONAS (UTP) and two Norwegian universities, namely University of Bergen and University of Stavanger, marked another important milestone for UTP in its quest to attain academic and R&D excellence. The signing ceremony, which was held during the Malaysian-Norwegian Forum of Competence was attended by the HRH Crown Prince Haakon, YB Dato' Mukhriz Tun Mahathir, Deputy Minister of International Trade and Industry, Malaysia; Mr Trond Giske, Minister of Trade and Industry, Norway; YBhg Dato' Shamsul Azhar Abbas, President and CEO of PETRONAS and Puan Juniwati Rahmat Hussin, Vice President of Education Division, PETRONAS at the Mandarin Oriental Hotel in Kuala Lumpur on 9 March 2010.

These MoUs will establish a strategic partnership among these institutions to work closer towards common goals - in particular, the pursuit of internationalisation of Education and R&D, which will help the three universities to chart further success as they move forward. All parties will pursue many significant activities, such as the promotion of academic and R&D exchange programmes between organisations involving students at undergraduate and postgraduate, academics and research personnel.



MAIN EVENTS

13 - 20 MARCH 2010



UTP Students Representing 27 Nations Conquered Mount Kinabalu

The Educational Trip to Sabah (ETS) was organised by the Student Support Services Department (SSSD), Student Representative Council (SRC) and International Student Council (ISC) with support from PETRONAS Group Corporate Affairs (GCA), PETRONAS Education Sponsorship Unit (ESU) and Universiti Teknologi PETRONAS (UTP).

The objectives of the programme are to familiarise students with the incredible diversity of the eco system, understand its importance and enhance the love for it; and encourage a caring society by reminding students of their responsibility towards the surrounding community through community service activities.

36 students comprising 26 international students from 26 different countries conquered Mount Kinabalu and waved their respective national flags to signify their success.



Academic Programmes

Foundation Programmes

Bachelor of Engineering (Honours)

Bachelor of Technology (Honours)

MSc by Coursework & Dissertation

MSc/PhD by Research

ACADEMIC OVERVIEW

ACADEMIC OVERVIEW

Academic Programmes

Since the University's inception, it has strived to add value to its programme offerings and academic content, to ensure that they are industry-relevant. UTP provides the platform for individuals to achieve excellence in Engineering and Technology at both undergraduate and postgraduate levels.

The following is a listing of the University's academic programmes for undergraduates and postgraduates as at March 2010 :

Foundation Programmes

- Engineering
- Technology

Bachelor of Engineering (Honours)

- Chemical
- Civil
- Electrical and Electronic
- Mechanical
- Petroleum

Bachelor of Technology (Honours)

- Business Information Systems
- Information and Communications Technology
- Petroleum Geoscience

MSc by Coursework & Dissertation

- Process Integration
- Petroleum Engineering
- Petroleum Geoscience
- Advanced Process Control
- Electronic System Engineering
- Asset Management and Maintenance

MSc/PhD by Research

- Civil Engineering
- Chemical Engineering
- Electrical & Electronic Engineering
- Mechanical Engineering
- Petroleum Engineering
- Petroleum Geoscience
- Information Technology



R & D Exhibitions and Competitions

Research Projects

Consultancy Projects

RESEARCH & DEVELOPMENT

For its quest to cultivate research & innovation culture amongst the academic fraternity, the University has actively participated in various exhibitions and competitions locally and abroad. The following is a listing of UTP's achievements in various R & D exhibitions and competitions.

R & D Exhibitions and Competitions

1 April 2009 - 31 March 2010

Title of Exhibition	Invention	Inventor(s)	Achievements
International Exhibition Of Inventions, New Techniques And Products Of Geneva 2009, Switzerland, 1 - 5 April 2009	Waste-Utilizer Greencrete	AP Ir Dr M Fadhil Nuruddin	Gold
	Polymeric Smart Surfactant EOR	AP Dr Isa Mohd Tan	Gold
	SULFIDOX	Putri Nadzrul Faizura	Gold
	ModiPAM	AP Dr Isa Mohd Tan	Silver
	CARBOSHEAR	AP Ir Dr M Fadhil Nuruddin	Bronze
20th Malaysia International Invention, Innovation And Technology Exhibition 2009 (ITEX 2009) Kuala Lumpur Convention Centre 15 -17 May 2009	CAD Block Estimator	Prof Dr P.A Venkatachalam	Gold
	Quality Power Provider	Prof Dr P.A Venkatachalam	Gold
	Computerized Psoriasis Area Severity Index (PASI) Scoring for Psoriasis lesion	Prof Ir Dr Ahmad Fadzil Mohd Hani	Gold
	Computerized Diabetic Retinopathy Monitoring and Grading System	Prof Ir Dr Ahmad Fadzil Mohd Hani	Gold
	Medical Imaging System for Monitoring Efficacy of Vitiligo Treatment	Prof Ir Dr Ahmad Fadzil Mohd Hani	Gold
	Hybrid Dryer for Multiple Function	AP Dr Hussain Al-Kayiem	Silver
	Clear VU Using Machine Vision Image Enhancement and Fusion Using Contourlet Transform	Dr Vijanth S. Asirvadam	Silver
	Children Surveillance System Using RFID Integrated with Wireless RF Receiver	Dr Mohd Naufal Mohd Saad	Silver
	SULFIDOX	Putri Nadzrul Faizura Megat Khamaruddin	Bronze
	Landslide Detection Using Close-Range Photogrammetric Data	AP Dr Abd Nassir Matori	
International Exhibition Of Ideas, Inventions and Innovation Trade Fair (IENA 2009), Germany, 5 - 8 November 2009	Diabetic Retinopathy	Prof Ir Dr Ahmad Fadzil M Hani	Gold
	CADBE	Prof Ir Dr Ahmad Fadzil M Hani	Gold
	VT-Scan	Prof Ir Dr Ahmad Fadzil M Hani	Silver
	Quality Power Provider	AP Dr KS Rama Rao	Bronze
INNOVA 2009 Brussels, BELGIUM 19 - 21 November 2009	Joining of Sialon to Ferric Stainless Steel	AP Dr Patthi Hussain	Gold with Special Innova Brussels Award
	Versatile EM Transmitter	AP Dr Noorhana Yahya	Gold with Mention
	Domestic Incinerator	AP Dr Ibrahim Kamarudin	Gold
	Car Air Bag System	AP Dr Ibrahim Kamaruddin	Bronze

Research Projects

1 April 2009 - 31 March 2010

Funding Agency	Project Title	Project Leader
MOSTI (ScienceFund)	Development of New Environmentally Benign Tunable Hybrid Solvents for Efficient and Reversible Capture of CO ₂	Dr Thanapalan Murugesan
	Characterization of Meat Slaughtered in Islamic Method (HALAL MEAT)	Dr Zainal Arif Burhanuddin
	Development of Life Cycle Risk Assessment (LCRA) Tools for Process Plant	AP Dr Azmi M Shariff
	Development of Self Compacting Polymeric Greencrete Incorporating Waste Materials from Rice Husk and Coal	AP Dr M Fadhil Nuruddin
	Statistical Based Logic Reasoning Tools for Nano Computing	Dr Nor Hisham Hamid
	Development of Online Nonlinear System Identification Techniques for Wireless Environment	Dr Vijanth Sagayan Asirvadam
	Networked-Control of PLC-Based Intelligent Controller for PWM-Driven Variable Speed Drive with Constant Volt/Hz Ratio	AP Dr Nordin Saad
MOSTI (TechnoFund)	Real Time Self-Automated Intelligent Hardware Implementation of Energy Efficient Green Motion Controller	Dr Nor Hisham Hamid
	Development of Dementia Brain (Dbrain) Multi-Agents Using Gene, Protein and Drug Platforms on Bio-Grid with New Service Oriented Architecture (SOA) for Diagnostics, Therapeutics and Treatment of Aging and Active People	AP Dr Ahmad Kamil Mahmood
MOSTI (Fundamental Research Grant Projects)	A Thermodynamic Study in Fundamental Distillation Process for Energy Minimization	Dr Shuhaimi Mahadzir
	Development of Photocatalyst for Hydrogen Production from Sea Water	Dr Chong Fai Kait
	Development of a Medium-Scale Downdraft Gasifier for Generation of Biomass Gas and Electrical Power Using Oil Palm Fronds	Ir Dr Shaharin Anwar Sulaiman
	Sliding Window Based Higher Order Neural Network Training Algorithms for Correlated and Irregular Sampled Input Data	Dr Vijanth Sagayan Asirvadam
	Automated Testing and Monitoring Framework for the Quality Assurance of Service Oriented Architecture (SOA) Applications in Enterprise Organizations	Dr Mohd Fadzil Hassan
	Foundations for a Self-Organizing Services-Oriented Architecture in Computational Engineering and Bioinformatics Research	Assoc Prof Dr Azween Abdullah
	Experimental Investigation of Free Linear Generator Engine under Part/Full Load Operation	Assoc Prof Dr A Rashid A Aziz
	Novel Carbon Nano Fibers EM Transmitter in Conducting Medium	Assoc Prof Dr Noorhana Yahya
	Synthesis, Characterization and Solubility of Novel and Practical Ionic Liquid for Effective CO ₂ Separation from Natural Gas	Assoc Prof Dr M Ibrahim Abdul Mutalib
	Framework for Visual and Haptic Textures Match for Realistic Representation of a Surface Material	Dr Suziah Sulaiman
	A Design Framework for Flashcard-Based Guided Digital Storytelling	Dr Dayang Rohaya Awang Rambli
	Child Tracking: A Reliable and Efficient Silent-Alarm Message Forwarding Scheme in VANET	Dr Halabi Hasbullah
	Real Time Access Control Assignment for Accessing Sharable Data Repository	Dr Rohiza Ahmad
	Optimal Novel Theoretical design of Integrated Petroleum Refinery Water Network System with Fundamental Investigation for Incorporating Opportunities for Water Reuse	Khor Cheng Seong
	2D Modeling of Frequency-Domian Controlled-Source Electromagnetic (CSEM) Data Using Finite Element Method	Noor Hazrin Hany Mohamad Haniff
	Development of Hybrid Integrated Renewable Electricity Generating System (H-iRElect)	Assoc Prof Dr Balbir Singh a/l Mahinder Singh
	Re-Engineering Educational Outcomes for Orang Asli Children: A Holistic Perspective of Their Learning Experience	Dr Sumathi Renganathan

The events, activities and achievements listed cover those from April 2009 to March 2010.

RESEARCH & DEVELOPMENT

Research Projects

Funding Agency	Project Title	Project Leader
Petroleum Research Fund	Whole Crude Upgrading Desulphurization Using Ionic Liquid	AP Dr Mohamed Ibrahim Abdul Mutalib
	Conversion of Biomass, Petroleum Coke and Coal Blends to Syngas via Gasification (Petronas & TNBR)	Dr Chandra Mohan
Industry-Sponsored	In-Wheel Motor Systems Development for Hybrid Electric Vehicles Application	Mohd Syaifuddin Mohd
	The Organization and Management of Plant Turnaround Maintenance in PETRONAS Gas Berhad (PGB)	AP Dr Mohammed Halib
	Membrane Performance and Optimization Study for Separation of CO ₂ from Natural Gas	AP Dr Azmi M Shariff
	3-D Fire and Gas Development Software Tools	AP Dr Nordin Saad
International Funding	Visions & Robotics - European Erasmus Mundus	Dr M Naufal M Saad

Consultancy Projects

1 April 2009 - 31 March 2010

Project Title	Clients	UTP Consultants
Emerson Fieldbus Training	SKG14	Dr. Nordin Saad
Development of Electrical Safety and Operability Review (ELSOR) Tool	PETRONAS GTS	AP Dr. Azmi M Shariff
SKG16: Advanced Gas Chromatography, Level 3	Institut Teknologi Petroleum PETRONAS (INSTEP)	Dr. Chandra Mohan
Biological Treatability Study of KR-2 Effluent Treatment Plant	PETRONAS Penapisan (Terengganu) Sdn Bhd	AP Dr Shamsul Rahman M Kutty
In-Wheel Motor Systems Development for Hybrid Electric Vehicles Application	H2E Technologies Sdn Bhd	AP Dr Abd Rashid Abd Aziz, Mohd Syaifuddin Mohd
Selection Process of PDB Dealers	PETRONAS Dagangan Berhad	Khalidah Khalid Ali
SKG12: Fired Equipment for Technical Professionals	Institut Teknologi Petroleum PETRONAS (INSTEP)	Ir Dr Mokhtar Che Ismail
Columns Exergy Study to Identify Fuel Reduction Potentials	PETRONAS Penapisan (Terengganu) Sdn. Bhd	Dr. Shuhaimi Mahadzir
Salt Spray Test	CamfilFarr Malaysia Sdn Bhd	Ir Dr Mokhtar Che Ismail
Quantitative Risk Assessment (QRA) for Process Industries	PETRONAS Penapisan (Melaka) Sdn Bhd	Dr Mohanad El-Harbawi
Fieldbus Training	SKG14	
SKG16: Hazards to Health Inc. of CHRA, Level 3	Institut Teknologi Petroleum PETRONAS (INSTEP)	Dr Chandra Mohan KV
Interfacial Tension Measurement	Universiti Teknologi Malaysia	Dr Ismail M Saaid
Pyrolysis Gas Chromatography – Mass Spectrometry Analysis	PETRONAS Research Sdn Bhd	AP Dr Suzana Yusup
SKG12.4 : Internal Combustion Engine	R&T Div, PRSB	Dr Zainal Ambri Abd Karim
Corrosion Inhibitor Performance Test	Innowac Asia Pacific (M) Sdn Bhd	Ir Dr Mokhtar Che Ismail
Solar Panel Test	Suruhanjaya Pencegahan Rasuah Malaysia, Negeri Perak	Ir Mohd Shiraz Aris

Consultancy Projects

Project Title	Clients	UTP Consultants
SKG16: Advance Atomic Absorption	Institut Teknologi Petroleum PETRONAS (INSTEP)	Dr Chandra Mohan KV
SKG16: Advance Simulation Including Dynamic, L3	Institut Teknologi Petroleum PETRONAS (INSTEP)	Remy Azuan Harun
Technology Development CO2 Capture Using CVENGER Solvent	PETRONAS Carigali Sdn Bhd	AP Dr Azmi M Shariff
SKG16: Water Technology, Level 2	Institut Teknologi Petroleum PETRONAS (INSTEP)	Dr Chandra Mohan KV
Fundamentals of Heat Transfer in Air-Conditioning Systems	O.Y.L Research & Development Centre Sdn. Bhd	Prof. Dr Vijay R Raghavan
SKG12: Asset Life Cycle, L3	Institut Teknologi Petroleum PETRONAS (INSTEP)	AP Ir Dr M Amin A Majid
Fundamentals of Heat Transfer in Air-Conditioning Systems	O.Y.L Research & Development Centre Sdn. Bhd	Prof. Dr Vijay R Raghavan
Applied Quantitative Risk Assessment (QRA) in Process Industry	PETRONAS R&T Division Process Safety Programme Management	AP Dr Azmi M Shariff
Process Integration Technology for Energy Loss Management in the Process Industries Training	Optimal Chemicals (Malaysia) Sdn Bhd	Dr Shuhaimi Mahadzir



STUDENT ACHIEVEMENTS AND ACTIVITIES

Student Achievements

Student Activities

The University's mission of producing well-rounded graduates who are creative and innovative with the potential to become leaders of industry and the nation is realised through a variety of Student Development Programmes and Co-Curricular Activities. The following is the listing of Students Achievements and Activities that promote our students' versatility and well-roundedness :

Student Achievements

Activities	Date	Venue	Organiser/Host	Achievement
ISC Olympics 2009	7-8 Mar 09	UTP	ISC & ISU	Internal Competition
Pertandingan Debat Kemerdekaan Antara IPT 2009	14-18 Mar 09	Universiti Sains Islam Malaysia	Majlis Debat Universiti-Universiti Malaysia (MADUM) & ARKIB NEGARA	CHAMPION
Participate in Quranic Convention at UiTM	11 Apr 09	UiTM Shah Alam	MPP, UiTM	Champion in Qari section.
Festival Tari Piala Tun Dr Siti Hasmah 2009	22 Apr 09	Multimedia University, Cyberjaya	MMU	CHAMPION • Best Costume Award • Best Choreographer Award
National Robocon Competition 2009	5-10 May 09	Stadium Melawati, Shah Alam	Organized by MOHE, MOSTI, RTM and SIRIM Bhd	2 nd Runner Up
Pertandingan Bintang Asli Negeri Perak 2009	16 May 09	Perak	Organised by Jabatan Kebudayaan dan Kesenian Negara Negeri Perak	2 nd Runner Up
Pertandingan Debat Terbuka Arau 2009	25-29 May 09	UiTM , Arau	UiTM , Arau	CHAMPION
Festival Teater Malaysia Peringkat Negeri Perak 2009	1-8 Jun 09	Taman Budaya Ipoh, Perak	Organised by Jabatan Kebudayaan dan Kesenian Negara, Negeri Perak, Kementerian Penerangan, Komunikasi dan Kebudayaan Malaysia	3 rd Place • Best Technical & Set Award • Best New Actor Award
Pertandingan Debat Kepenggunaan Antara IPT 2009	18-21 Jun 09	Universiti Tun Hussein Onn Malaysia	Majlis Debat Universiti-Universiti Malaysia (MADUM) & FOMCA	3 rd Place
Sayembara Deklamasi Puisi Merdeka Negeri Perak 2009	20-21 Jun 09	Perak	Organised by Jabatan Kebudayaan dan Kesenian Negara Negeri Perak in collaboration with Dewan Bahasa dan Pustaka Wilayah Utara	2 nd Runner Up
2 nd Private Institutions of Higher Learning Sports Council Games (MASISWA) 2009	3-4 Jul 09	UTP	Organised by Ministry of Higher Education (MOHE)	OVERALL CHAMPION
MSC-IHL Business Plan Competition 2008/2009	6 Jul 09	Bangunan Shell Malaysia, Kuala Lumpur	Organised by Students in Free Enterprise (SIFE) Malaysia	CHAMPION

STUDENT ACHIEVEMENTS AND ACTIVITIES

Student Achievements

Activities	Date	Venue	Organiser/Host	Achievement
International Student Sports Carnival 2009	17 Jul 09	Sunway University College	Organised by Ministry of Higher Education (MOHE)	1 Bronze Medal (Basketball)
International Student Sports Carnival 2009	17 Jul 09	Sunway University College, KL	MOHE	1st Runner-up basketball 3 by 3 (Male)
SIFE National & SIFE Shell Competition 2009	19-21 Jul 09	PWTC, Kuala Lumpur	Organised by SIFE Malaysia	Spirit Award & Consolation Prize
Pertandingan Debat Alam Sekitar 2009	25-28 Jul 09	UTP	Majlis Debat Universiti-Universiti Malaysia (MADUM)	3 rd Place
Kejohanan Wajadiri Nasional Silat Cekak Hanafi 2009	26 Jul 09	UKM, Bangi, Selangor	Organised by 'Persatuan Seni Silat Cekak Ustaz Hanafi' UKM in collaboration with 'Persatuan Seni Silat Cekak Ustaz Hanafi Malaysia'	OVERALL CHAMPION (M & F categories)
The 3 rd National Internship Challenge 2009	12-14 Aug 09	Kuala Lumpur	Organised by JOB MARKET MALAYSIA	2 nd Runner up <ul style="list-style-type: none"> Potential Entrepreneur Award Innovative Award
Pertandingan Debat Kemerdekaan Antara IPT 2009	14-18 Aug 09	Auditorium Perdana, RTM	Majlis Debat Universiti-Universiti Malaysia (MADUM) & ARKIB NEGARA	CHAMPION
Kej. Pencak Silat Piala Menteri Besar N.S dan Piala Timbalan Naib Canselor (HEP & Alumni) UM 2009	9-13 Oct 09	Universiti Malaya	Organised by Rakan Wajadiri IPT Universiti Malaya, Persatuan Seni Silat Gayong Malaysia	1 Silver & 2 Bronze Medals
Martial Arts Fest 2009	10-11 Oct 09	Ipoh, Perak	Organised by Sekretariat Rakan Muda UTP, Student Support Services and Majlis Perbandaran Ipoh.	Accepted into the Malaysia Books Of Records (Kick A Ton)
International Collegiate Programming Contest (National Level) 2009	22-23 Nov 09	IIUM	Organised by Association for Computing Machinery (ACM) & Kulliyah of Information and Communication Technology, IIUM.	2 nd Place
The 13 th Royal Debating Championship (Debat DiRaja)	3-8 Dec 09	Universiti Malaya	Majlis Debat Universiti-Universiti Malaysia (MADUM)	2 nd Runner Up
Aries Malaysia Business IT Case Challenge – SIFE UTP	2-5 Dec 09	Universiti Kuala Lumpur	Universiti Kuala Lumpur & Funded by the Ministry of Higher Education (MOHE)	CHAMPION
Karnival Wajadiri IPT Kebangsaan Kali Ke-3	12-13 Dec 09	UiTM, Shah Alam	Per. Seni Silat Cekak Malaysia	5 medals (1 Gold, 1 Silver and 3 Bronzes)
Karnival Wajadiri Kebangsaan IPT Ke 3, 2009	12-13 Dec 09	UiTM Shah Alam	Organised by Persatuan Seni Silat Cekak Malaysia	1 Gold, 1 Silver & 3 Bronze Medals

Student Achievements

Activities	Date	Venue	Organiser/Host	Achievement
Karnival Wajadiri Kebangsaan IPT Kali ke-3 200 - Persatuan Seni Silat Cekak Malaysia UTP (PSSCMUTP)	12-13 Dec 09	UiTM Puncak Alam, Shah Alam	Persatuan Seni Silat Cekak Malaysia	<ul style="list-style-type: none"> • 1 Gold Medal (Category 4 - Male) • 1 Silver Medal (Category 1 - Female) • 3 Bronze Medals (Category 1 - Male, Category 2 - Male, Category 2 - Female)
Kejohanan Pencak Silat IPT & Terbuka UKM 2010	14-17 Jan 10	UKM Bangi	Organised by Kelab Pencak Silat UKM	2 Bronze & 1 Silver Medals
National Novice Debating Championship 2010	19-21 Feb 10	UiTM Shah Alam	Organised by UiTM Shah Alam	CHAMPION
Festival Of Colours Of The World	6 Mar 10	Chancellor Hall, UTP	Organised by Student Support Services Department UTP	OVERALL CHAMPION <ul style="list-style-type: none"> • Best IPTS Award • Best Choreographer Award • Best Music Award • Best Theme Award
Program Bicara Negarawan Bersama Tun Dr. Mahathir Mohamad	26-30 Mar 10	Awana Hotel, Genting Highland	Organised by Dept. of Special Affairs (JASA) in the Ministry of Information, Comm. & Culture.	<ul style="list-style-type: none"> • BEST UNIVERSITY AWARD & Anugerah Pelajar Cemerlang
Pertandingan Debat Perdana Integriti 2010	12-16 Mar 10	Universiti Malaysia Sabah	Institut Integriti Malaysia, Majlis Debat Universiti-Universiti Malaysia (MADUM)	3 rd Place

Student Activities

Activities	Date	Venue	Organiser/Host
Educational Trip to Taiping	14 -15 Mar 09	Taiping	ISU
Program Anak Angkat for UTP Turkmenistan students	22-27 Mar 09	Batu Rakit, Terengganu	PETRONAS Turkmenistan & INSTEP
Educational Sharing Session at Sek Keb. Kamunting	27-28 Mar 09	Kamunting, Taiping, Perak.	ISU
Majlis Ilmu Ketua-ketua Smart Group	1 Apr 09	LH 2	Lajnah Tarbiah, Rakan Masjid
Majlis Ilmu Ketua-ketua Smart Group	8 Apr 09	LH2	Lajnah Tarbiah, Rakan Masjid
Celebration of Cambodian New Year	11 Apr 09	UTP	ISC
Riyadah Perdana	11 Apr 09	Plaza, Masjid An-Nur	Rakan Masjid
Simposium Nuqaba	12 Apr 09	LH 3	Lajnah Tarbiyah, Rakan Masjid
Technology, Education & Career Exhibition	14-15 Apr 09	Chancellor Hall	Career Advisory Services
Majlis Ilmu Ketua-ketua Smart Group	15 Apr 09	LH 2	Lajnah Tarbiah, Rakan Masjid
Special Muslimah Religious Talk : "Taman org2 soleh"	16 Apr 09	Surau, Village 2	HELWI, Rakan Masjid
Tunas Harapan Programme	16 Apr 09	LH 2	Lajnah Tarbiyah, Rakan Masjid
Ijtima' Sanawi of RM	17 Apr 09	LR 6	Rakan Masjid
Bengkel Praktikal Fasilitator Smart Group	19 Apr 09	LR 6	Lajnah Tarbiyah, Rakan Masjid
Combined Smart Groups gathering	20 Apr 09	LH2	Rakan Masjid
Majlis Ilmu Ketua-ketua Smart Group	22 Apr 09	LH3	Lajnah Tarbiyah, Rakan Masjid
Pre-Exam Motivational Talk	23 Apr 09	Masjid An-Nur	Lajnah Akademik, Rakan Masjid
International Culture Night 2009	24 Apr 09	UTP	ISU
Kursus Pengurusan Harta Pusaka	25 Apr 09	Lecture Hall 2	Rakan Masjid & Kelas Asasi
Slot Motivasi Pagi Muslimat	25 Apr 09	Masjid Lama	HELWI, Rakan Masjid
Kelas Bimbingan Peperiksaan	26 Apr 09	LR 6, 7 & 8	Lajnah Akademik
Freedom Day Celebration of South Africa	27 Apr 09	KL	South African High Commission Office
Majlis Ilmu Ketua-ketua Smart Group	29 Apr 09	LH2	Lajnah Tarbiyah, Rakan Masjid
ISC Graduation Night 2009	30 Apr 09	UTP	ISC
Be A Successful Blogger Programme	1 May 09	UTP	ISC
Post Graduate Family Day	1 May 09	UTP	ISU
Career Summit For Future Malaysian Leaders	30-31 May 2009	Pan Pacific KLIA Hotel	Career Advisory Services
Series of Religious Talks in conjunction with Majlis Aluan Siswa (Foundation)	31 May - 2 Jun 09	Masjid an-Nur	Majlis Aluan Siswa Committee & Mosque Admin Unit

The events, activities and achievements listed cover those from April 2009 to March 2010.

Student Activities

Activities	Date	Venue	Organiser/Host
Bengkel Kesempurnaan Solat	3-4 Jun 09	Main Hall	Mosque Admin Unit
Career Summit For Future Malaysian Leaders	5-6 Jun 10	Pan Pacific KLIA Hotel	Career Advisory Services
Mission Awareness Program (MAP) in Pengkalan Hulu, Perak.	6-10 Jun 09	Pengkalan Hulu, Perak.	ISU
Mukhayyam Arabi	12-14 Jun 09	LH 1	Mosque Admin Unit
PETROSAINS Science Communication Programme	15 Jun - 3 Jul 09	PETROSAINS, KL	ISU, ESU & PETROSAINS
Job Vacation Programme at PETROSAINS for International Students	15 Jun - 10 Jul 09	PETROSAINS	ISU & PETROSAINS
UTP Students invited as facilitators in a school Team Building Programme	11-12 Jul 09	Sekolah Kebangsaan Kuak Hulu, Pengkalan Hulu, Perak.	Sekolah Kebangsaan Kuak Hulu, Pengkalan Hulu, Perak.
Educational Visit for International Post Graduate Students	23-25 Jul 09	Tasik Raban, Kuala Kangsar & Bukit Gantang, Perak.	Ministry of Tourism Malaysia
International Student Seminar – Nurturing Quality Leaders	12-16 Aug 09	Melaka	MOHE
International Student Homestay and Community Services Programme	4-6 Sep 09	Kg. Sungai Itik, Gopeng, Perak.	MOHE
RECMO Residential College Mesra Outreach	4-7 Sep 09	Felda Ijok Selama Perak	RCSU
ISC Wheelchair Design Contest	7 Sep - 30 Oct 09	UTP	ISC
IFTAR Program, making Bubur Lambuk and Dodol	13 Sep 09	UTP	ISU
Hari Raya Gathering	20 Sep 09	UTP	ISU
Eidul Fitri Open House hosted by the President of PETRONAS.	20 Sep 09	KL	PETRONAS GCA & ESU
International Student Homestay and Community Services Programme	25-27 Sep 09	Kg. Jelawang, Jeli, Kelantan.	MOHE
ISC Geograph – Uiz	10 Oct 09	UTP	ISC
Simposium Anak-Anak Merdeka	14 Oct 09	IRC	IRC & FIRC
ISC Grand Night	30 Oct 09	UTP	ISU & ISC
Idul Adha Sunnah Prayer	27 Nov 09	Masjid An-Nur	Mosque Admin Unit
Qurban & Aqiqah	28 Nov 09	KLCC Projek Site Office	Mosque Admin Unit
Khemah Ibadah	8-13 Dec 09	Main Hall	Rakan Masjid
Visit to UIAM	27 Dec 09	UIA	Rakan Masjid
Leadership Workshop : Quality Awareness and S.O.P. Development	9-10 Jan 10	APBM	Rakan Masjid
Dakwah Outreach for Beginners Course	13 Jan 10	LH2	Rakan Masjid

STUDENT ACHIEVEMENTS AND ACTIVITIES

Student Activities

Activities	Date	Venue	Organiser/Host
Ceramah Maal Hijrah	22 Feb 10	LH2	Rakan Masjid
Seminar Dinamika Dakwah Mahasiswa	23 Jan 10	Seminar Room 8, Undercroft	Rakan Masjid
Majlis Ilmu Ketua-ketua Smartgroup	27 Jan 10	LH2	Lajnah Tarbiyah Rakan Masjid
Palestine Week	1-5 Feb 10	UTP	Rakan Masjid
Kem Penghayatan Islam	6-7 Feb 10	LH2	Rakan Masjid
Bengkel Pemantapan Fasilitator Smartgroup	7 Feb 10	LH1	Rakan Masjid
Opening of "Heart for Islam" Campaign 2010	9 Feb 10	Chancellor Hall	Rakan Masjid
ISC Leadership Seminar 2010	12 Feb 10	UTP	ISC
Dakwah Outreach for Beginners	13 Feb 10	LH2	Rakan Masjid
Forum Baitul Muslim	17 Feb 10	Chancellor Hall	Rakan Masjid
Jelajah UTP	20 Feb 10	UTP	Rakan Masjid & HSE
Muslimah Futsal Challenge	20 Feb 10	UTP	Helwi, Rakan Masjid
Karnival Membaca 1 Malaysia & Perpustakaan Angkat FIRC	21 Feb 10	Tg Belanja, Parit	IRC & FIRC & PNM
IRC Carnival	22-24 Feb 10	UTP	IRC & FIRC & PNM
Kelas Multimedia	26 Feb 10	LH2	Lajnah Multimedia, Rakan Masjid
Interfaith Understanding Dialogue	1 Mar 10	Rakan Masjid & all UTP student clubs/societies	Chancellor Hall
Ceramah Khas Amalan Pematuhan Halal	4 Mar 10	Masjid An-Nur	Rakan Masjid
Quranic Memorisation	5 Mar 10	Bangunan Lama, Masjid UTP	Rakan Masjid
Seminar "Usahawan Muslim di Dalam Industri Halal 2010"	6 Mar 10	LH 2	Rakan Masjid
Forum "memperkasakan Prinsip Halal"	6 Mar 10	Masjid an-Nur	Rakan Masjid
Seerah Quiz Challenge	6 Mar 10	Lecture Rooms	Rakan Masjid
Halal Expo	6-7 Mar 10	Plaza, Masjid an-Nur	Rakan Masjid
Islamic Debate	7 Mar 10	Lecture Rooms	Rakan Masjid
ISC Olympics 2010	7-8 Mar 10	UTP	ISC
"Hearts for Islam" Closing and Nasyid Finale	9 Mar 10	Chancellor Hall	Rakan Masjid
Educational Trip to Sabah Program (Univ. Social Responsibility, Exposure to nature/culture and climbing Mount Kinabalu activities)	13-20 Mar 10	Sabah	UTP, PETRONAS GCA, ESU and NGOs
Technology, Education & Career Exhibition (10th year)	30-31 Mar 10	Chancellor Hall	Career Advisory Services

The events, activities and achievements listed cover those from April 2009 to March 2010.