Inspiring Futures, Nurturing Possibilities



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RESONANCE connotes dynamism and vibrancy. Resonance reflects our vision and philosophy, and it is also in tandem with our sister publication SENADA. As one of the research universities of Malaysia, dynamism is a virtue much prized by us for it ensures our pre-eminence in the field. Other aspects of campus life are not neglected. After all we are a community of scholars, support staff and students. The pulse and vibrancy of the whole community can be felt as you read through the pages of RESONANCE. Happy Reading.

Editorial Team



Message from the Vice-Chancellor

We are now in 2015. In the past year, we marked some noteworthy achievements. Accomplishments in Teaching and Learning had yielded many new initiatives, research which benefitted the public as was featured in the press conference during the Success Of research Universities event in December 2014, publications which had enriched the body corpus of knowledge and understanding of various

disciplines, expanding networks and smart collaborations of stakeholders – government, community, industry and civic society.

I am satisfied that the UKM community had responded well to efforts of heading towards excellence. Nevertheless, in celebrating the various accomplishments, we encounter many challenges. As a mature university, we just have to face them with certain strategies.

> So, in mid-2014 we collectively enacted six Key Result Areas (KRA) challenges. Competent and competitive graduates, high impact research and innovation, networking and strategic partnerships, human resources and institutional excellence, infrastructural wealth generation and a conducive knowledge environment. Every one of us has a role in contributing to achieve all KRA challenges collectively.

> > I take this opportunity to congratulate the Executive Director of Administration and its committee which had diligently organized

t h e KRA Forum on December 19. I am confident the event had cleared up any doubts among the majority of the university community about our efforts to make the KRA a reality. I hope the KRA culture would not just create awareness but also be adaptable to suit changing times.

Let us go in 2015 full of confidence and in high spirits. The past year was surely a lesson and full of examples which form the basis of our certainty that we are the movers of UKM The Guardians Of The Nation.

Yours Sincerely,

Prof. Datuk Dr. Noor Azlan Ghazali



JKM International Bulletin

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03 Caning: Nurturing or Abusing?









eavy rains from active cloud systems and strong winds occuring simultaneously with the northeast monsoon result in high waves in the East Coast of Peninsular Malaysia. This phenomenon caused heavy flooding.

Deputy Dean of Research and Innovation at the Faculty of Social Sciences and Humanities (FSSK), Prof. Dr. Mastura Mahmud said, the combination was further compounded by the full moon phenomenon which resulted in high tides. This prevented the flow of river water into the sea resulting in the over flowing of the rivers.

She added that the combination was a major factor resulting in large areas of the East Coast states, especially Kelantan being inundated.

The Northeast Monsoon occurs because of the presence of a high pressure system in China and Siberia and low pressures at the Equator causing cold winds to flow from the north- east to the Equator, bringing cooler

Full Moon Phenomena

temperatures and heavy rains which caused the floods, she said.

The Malaysian Meteorological Department, is equipped to monitor clouds and has the radar system that can measure the intensity of rainfall thereby giving a comprehensive picture about the rain.

Prof. Mastura also associated the global warming phenomenon with the changing weather conditions as when temperatures in the air increases, there will be instability in the weather as seen with the hurricanes in Kedah last year.

She adviced preparatory measures should be stepped up to deal with such inclement weather.



S tudent activities are not only for co-curriculum credits but mainly to build character, self-confidence and soft-skills.

Such skills are important to enable them to compete in the market place once they graduate, said Prof. Datin Noor Aziah Mohd Awal, Deputy Vice Chancellor of Student & Alumni Affairs, at the Tun Dr. Ismail Residential College (KTDI) annual dinner.

She congratulated the medical students for organizing the event which gave them the experience they cannot get during their classes. Organizing such events will teach them about team work, punctuality, time management, financial management, strategic planning and effective communication.

Prof. Noor Aziah said, the soft skills are important to enable them to compete at the national and international level after graduation. In addition, they must be aware that employers look beyond academic skills when hiring new employees. She reminded them to uphold the good name of UKM wherever they may serve.

Prof. Noor Aziah later presented various Student Achievement Awards with the accolade being the Tun Dr. Ismail Award, where each year a senior student is singled out for outstanding academic achievement, extra-curricular activities and contributions to the college, university or society. The award was presented to Syed Al-Hafiz Syed Hashim this year.

Character Building with Student Activities



CANING Nurturing or Abusing?

he government is finalising the amendment to laws that would ban any form of corporal punishment on children in line with international law.

UKM's Deputy Vice-Chancellor of Students & Alumni Affairs Prof. Datin Dr. Noor Aziah Mohd Awal said children should be protected from over-zealous parents who think they are doing good for their children but instead abuse them.

Prof. Noor Aziah gave her views at the Bicara Persada series entitled "Caning: Nurturing or Abusing?". She said studies had shown that flogging children did more harm than good, sometimes scarring the children for life.

"Children who are often whipped are more likely to end up dysfunctional and become abusive parents as well or they may even develop antisocial tendencies," she explained.

Prof. Noor Aziah, whose expertise is in Family Law, said research on such cases, also showed that victims develop deep resentment towards their elders or teachers who carried out the punishment. She also revealed that some cases of repeated canings afflicted visible injury which was only known when the children turned in desperation to the authorities for help. Malaysia, in an unprecedented step, ratified the Convention on the Rights of the Child (CRC) in 1995 to uphold its commitment to the protection and welfare of her children. A key outcome of this is the Child Act 2001 (Act 611) which forms part of the protective legal environment for children in the country. Several initiatives have been introduced under this Act to safeguard children from violence, abuse, neglect and exploitation.

Earlier at the forum, Prof. Dr. Zuria Mahmud, of the Faculty of Education, said she does not advocate corporal punishment to discipline children. Prof. Zuria, who is Professor of Counselling, said there are many ways to instil a sense of discipline in children without resorting to whipping.

She said parents who treat their children with honour and respect will raise law-abiding decent people who also shun violence. Research on juvenile delinquents showed that many offenders had vented their anger towards their parents or guardians whom they thought would guide them," she explained.

Another speaker, Dato' Khairul Anwar Rahmat, Chairman of SukaGuam a volunteer lawyers association, was adamant that caning was a suitable way for discipline children.



"There are good laws, there are bad laws, except those made by Allah," Dato' Khairul Anwar remarked. He questioned efforts to protect children from corporal punishment, saying that parents have rights too, and they have a duty to raise their off-spring in a way that suits them.

"I do not agree with the law in the Convention on the Rights of the Child (CRC), because it marginalises the rights of parents in raising their children," he added.

The third speaker, Ahmad Dasuki Abd. Rani, founder of the non-governmental organisation Kompleks Darul Thibbun Nabawi also agreed that caning is the right of parents.

Ahmad Dasuki clarified that the Scriptures states the child must be reminded to be obedient, but caning is only allowed at the age of 10.

At the age of three the child must be nurtured and advised by the elders about correct behaviour. He said whipping should only be done without anger or emotion and in moderation so that the child would not suffer excessively.

> Children who are often whipped are more likely to end up dysfunctional and become abusive parents as well or they may even develop anti-social tendencies,"

Smaller Radio Antennae for High Speed Data Transfer

S maller and lighter electrical devices which convert electric power into radio waves and vice versa, or antennae is the key to the future of high-speed data transfer, especially for three-dimensional imaging. Telecommunications engineer, Prof. Dr. Mohammad Tariqul Islam of the Faculty of Engineering and Built Environment (FKAB) UKM, said to be versatile, an antenna should be small enough to be used for Ultra-Wide Band (UWB) and Reduce Frequency Identification Device (RFID).

In his public lecture Prof. Tariqul Islam said RFID and UWB would need more compact antenna designs so that they can be fitted to mobile devices. UWB is a very low energy level for short-range, high-bandwidth communications using a large portion of the radio spectrum, while RFID is a wireless use of electromagnetic fields to transfer data, for automatically identifying and tracking tags attached to objects. He explained that smaller antennae for UWB band will be needed for high speed telecommunication networks, medical imaging, high density sensor networks and even radar systems.

RFID antennae operating RFID frequencies are an essential part of technology that would be capable of realising the complete and seamless networking of computers at a work place.

Among the antennae designs available, the ones with small size and flat shapes are the most attractive and are in great demand for various communication applications.

He, however, cautioned that performance of the flat or planar design is significantly affected by the size of the ground plane.

Some antennae are designed from metamaterials or artificial materials

engineered to have properties that have not yet been found in nature so that they can be made to be so thin that they look like strips of foil for ease of integration into compact devices such as smart phones.

The recent discovery of metamaterials allows antennae to be designed with novel electromagnetic properties, such as permittivity and permeability.

The planar RFID antenna is suitable for handheld, fixed indoor and long range indoor/ outdoor devices.

In the future, antennae with UWB will be part of high-speed telecommunications network, which would be able to achieve very high data transmissions including high-resolution three-dimensional images.

Prof. Tariqul Islam is a prolific researcher who obtained his PhD in Electrical, Electronics and Systems Engineering at UKM in 2006. He has won gold medals for The Best Inventor for his research and innovation and also oversees projects from the Ministry of Science, Technology and Innovation (MOSTI), Ministry of Education and overseas research grants.





UKM aims to set up Malaysia's first 'Health Technopolis' at its medical and health campus in Kuala Lumpur where medical research and development can be carried out through collaboration between researchers and the corporate sector.

Vice-Chancellor Prof. Datuk Dr. Noor Azlan Ghazali said, the university is currently mobilizing its medical and health sciences faculties to merge and integrate their academic and research facilities, hospitals and medical centres into an integrated health campus.

During the launching the one-day 9th International Academic Conference in Otology, Rhinology and Laryncology (ORL) 2015, he said the huge amount of data generated would become the basis for the creation of the UKM Health Technopolis.

ORL is the medical research and study of Ear, Nose and Throat (ENT) conditions and he believed that data collected from ENT could generate value that would attract healthcare industries and manufacturers to become part of the health technopolis.

The Vice-Chancellor said, UKM was the first university in the country to develop its own ENT training programme, the Masters of ORL-Head and Neck programme in 1984.

Collaborating Towards AHEALTH TECHNOPOLIS

He welcomed healthcare firms and manufacturing companies to form researchintensive companies and move their entire collaboration to the health technopolis.

The inspiration for the health technopolis came from several such centres around the world, such as Cochlear Limited (Australia) that parked its entire operations in the University of MacQuarie campus in Sydney.

Prof. Noor Azlan said he had also visited a technopolis in Ankara, Turkey where engineers and corporations are working together to innovate and manufacture new products.

Senior and world-renowned ENT surgeons along with up and coming researchers participated in the conference including the highly respected Prof. Dr. Jan E. Veldman, a founder-member of the conference inaugurated more than 30 years ago in the Netherlands.

Interactive Software for **Teeth** Sculpting



ental students at UKM may soon be learning how to design and sculpt false teeth with dental wax using an interactive instructional manual that renders animated three-dimensional images.

Dr. Nor Atika Mohd Ashar of the Faculty of Dentistry, who is on the team developing the software, said the basic idea of the project was to develop a method to help first-year dentistry students understand the sculpting of teeth, besides learning from textbooks and lectures.

Dr. Nor Atika said, at the recent K-Novasi Teaching and Learning Carnival that a more economically viable alternative to the expensive imported instructional manuals was needed to reduce operating costs.

She and Deputy Dean of the Faculty, Dr. Dalia Abdullah and the head of the Department of Orthodontics, Dr. Alizae Marny Fadzlin Syed Mohamed worked on the project for two years on a government research grant.

Without the 'Tooth Morphology Courseware', the only way for students to learn about it was through diagrams in charts and text books, which only have two dimensional pictures.

She said it was difficult to instruct students using the conventional means on the intricate steps of sculpting teeth as it deals with a scenario on a small scale.

The courseware consists of a step-by-step storyboard showing the methods of shaping

teeth using dental wax. Students can follow the programme online at their own pace.

It is interactive learning where students can evaluate their progress through answering questions and feedback at workshops.

The courseware covers all the details found in reference books and lectures so that students can refer after they had gone through their lessons. In its complete form, the module should also be certified by international dental accreditation bodies.

The courseware will make learning more enjoyable and rewarding for the students who use it.

The Faculty of Dentistry plans to implement the courseware and get feedback from all parties so that upgrading can be carried out continuously. The researchers hope to publish the results and market the courseware to other universities.





UKINA ROYAL CONCET 30 January 2015







Malaysia's First HYDROGEN Fuel Cell Vehicle

Tun Dr. Mahathir Mohamad test drove a golf buggy powered by a hydrogen fuel cell engine developed by UKM's Fuel Cell Institute. Tun Mahathir had earlier visited the Institute where he was briefed on the vehicle, the country's first to be powered by a fuel cell engine using a system known as a Proton Exchange Membrane (PEM) Fuel Cell/ Supercapacitor Hybrid Power.

UKM-FCH4

The vehicle was launched by the current Higher Education Minister Datuk Seri Idris Jusoh last December 2014.

The vehicle's electrical power is produced by a stack of fuel cells generated by electrochemical reaction between hydrogen and oxygen from the air at low temperatures that produces water as a by-product.

Fuel cell vehicles thus have zero emission and are clean, green, environmentally friendly and sustainable. The Institute's team of researchers from the Fuel Cell Process System Engineering Group was led by former Founding Director and currently the Principal Research Fellow Prof. Ir. Datuk Dr. Wan Ramli Wan Daud.

Tun Mahathir was met on arrival by Vice-Chancellor Prof. Datuk Dr. Noor Azlan Ghazali, Deputy Vice-Chancellor of Research and Innovation, Prof. Datuk Dr. Mazlin Mokhtar and the Director of the Institute Prof. Dr. Abu Bakar Muhamad.

In his briefing Prof. Wan Ramli said the buggy's motor has higher energy efficiency than conventional car engines at 50% compared to 30% for the conventional engine. It is small, using just 75% of the space; easy to manufacture and 25% of the weight of the replaced battery.

UKM is leading the project to develop a zero emission vehicle using indigenous fuel cells with a grant of RM7 million for 3 years from Higher Education Ministry.

Prof. Wan Ramli said, leading car manufactures like Toyota, Honda, Nissan, Ford, Renault and GM will be rolling out commercial fuel cell vehicles in markets that already have hydrogen supply infrastructure such as Japan, Germany, Europe and America.

A fuel cell car prototype will be built in the country by 2016 with the cooperation of other Malaysian universities and Malaysian automotive companies.

BD ANIMATION and **Audio Narration** for Swallowing Disorders

team from the Faculty of Health Sciences (FSK) UKM has developed a module for medical students to learn anatomy of the mouth and the physiology of swallowing.

Believed to be a first for Malaysia, the project is a Computer-Based Learning (CBL) Module which uses 3D animation and audio narration to illustrate the anatomy of the mouth when swallowing.

Head of the team, Chow Yee Fun, a Masters student in Speech Sciences said at the K-Novasi Teaching and Learning Carnival, it took more than two years to produce the module on CD.

Chow's supervisor, Dr. Rahayu Mustaffa Kamal said, the module was being evaluated and will be used in the 2015 session.

Dr. Rahayu said one of the major challenges of teaching the anatomy of the mouth is the large and complex technical vocabulary and the ability to interpret and understand three dimensional relationships within the human body.

She hoped it would supplement traditional lectures where showing the functions of the mouth to a group of students is not easy. But with the module, students would be able to walk through the various steps at their own pace in an interactive manner.

In its complete form, the module will also be available online as well as in CD format where students are able to evaluate their strengths and weaknesses.



Understanding of the anatomy and physiology of the head and neck is important for the process of assessment, diagnosis and intervention of swallowing disorders.

A speech-language pathologist (SLP) is the primary professional involved in the assessment and management of individuals with swallowing disorders.

Dr. Rahayu said evidence suggested that the levels of clinical competency in managing the difficulties in swallowing or disphaygia, for SLPs in Malaysia are not adequate. The clinicians reported a lack of skills and confidence in managing the disorder which was influenced by the limited undergraduate training in the area.

Knowledge of the normal anatomy, physiology and pathophysiology of swallowing forms an important basic requirement in the identification of individuals with swallowing disorders.





Dr. Rahayu said that computer-based training is particularly suited to understanding the anatomy and physiology of swallowing because the study needs visual observation of minute details of the processes in a small space.

In addition to texts, the students will also be able to easily see what is happening in the mouth instead of just listening to a lecture.



UKM is to collaborate with the University of Nottingham in the medical field care of stroke patients.

The two universities signed a memorandum of understanding (MoU) for the supervision of PhD research, conducting joint research projects and exchange programmes for academic and clinical researchers.

Deputy Vice-Chancellor of Industry & Community Partnerships Professor Dr. Imran Ho Abdullah on behalf of the Vice-Chancellor Prof. Datuk Dr. Noor Azlan Ghazali while the Pro Vice-Chancellor and Provost of University of Nottingham Prof. Chris Ennew represented the British University.

The MoU was inked following their collaboration in jointly organising a two day Long-Term Stroke Care Workshop.

Dean of the Faculty of Medicine and Director of UKM Medical Centre (PPUKM) Prof. Datuk Dr. Raymond Azman Ali and Head of Rehabilitation and Ageing, School of Medicine, University of Nottingham Prof. Marion Walker signed as witnesses for the MoU.

Also present were Head of Industry and Community Partnerships of PPUKM Prof. Dr. Sharifa Ezat Wan Puteh and Director of the Centre of International Relations Assoc. Prof. Dr. Yazrina Yahya.

In his address, Prof. Imran expressed confidence of more cooperation between the two universities just like they had done a few years ago in geriatric care.

Mou UKM and University of Nottingham for STROKECARE STROKECARE MANAGEMENT



Prof. Ennew said the MoU is timely and could lead to better cooperation between the two universities.

Her interest in stroke was brought about by personal experience when a close family member was paralysed and bed-ridden due to a stroke. She expressed hope that this collaboration would encourage more research on stroke by those involved in the clinical care of patients especially the aged.

The workshop was partly funded by the LifeCycle Initiative of United Kingdom and several fund-raising programmes such as the 'Stroke Run' by the University of Nottingham campus in Malaysia.

BIGDATA Research Transforming Data Processing



UKM and software solutions provider, AGA Zone Sdn. Bhd. have joined forces to improve the delivery of data storage systems, particularly the management of 'Big Data' at the university.

A memorandum of understanding (MoU) was signed A memorandum of understanding (MoU) was signed enabling UKM's Institute of Visual Informatics (IVI) to collaborate with AGA Zone on research into very large data sets that are also complex to the extent that they are hard to process using traditional data processing applications.

Deputy Vice-Chancellor of Industry & Community Partnerships, Prof. Dr. Imran Ho Abdullah signed on behalf of UKM while AGA Zone Director Datuk Hj. Khan Mohd Akram Khan signed for the company.

Prof. Imran, in his welcoming remarks said this was the second collaboration between UKM and AGA Zone in tackling the increasingly complex issues of Information and Communication Technology (ICT).

The main thrust of the MoU is to conduct research at the global and local level related to Big Data and Big Data analytics to improve the country's economy.

He said UKM and AGA Zone will also collaborate to create a patent Internet Provider (IP) based on extensive research by UKM postgraduate students. Big Data is a term used to describe the exponential growth of both structured and unstructured data that are important to business and society just as the World Wide Web (www) has become over the decades.

"We no longer measure data in just Gigabytes, but in tera, peta, exa and zetabytes to uncover hidden patterns and unknown correlations, as well as other useful information," Prof. Imran said.

Big Data can be applied to very complex tasks that use many correlations such as weather prediction, genomics and urban traffic.

Director of IVI, Prof. Datuk Dr. Halimah Badioze Zaman said looking at income per capita, Malaysia is on the right track to becoming a developed country but ICT development is still at a moderate level compared to developed countries.

"We must move faster than fellow Asian countries such as Taiwan, Japan and Korea.

"ICT's contribution to Gross Domestic Product (GDP) in Malaysia is only 10.7% compared to Taiwan, Japan or Korea of between 25 to 30 percent," she said at the signing ceremony.





MoU UKM and PRIMEWORKS STUDIOS for TV Documentaries

UKM and Primeworks Studios Sdn. Bhd will jointly produce documentaries to be aired by TV3 and by television stations overseas.

A documentary, 'Ulama Nusantara' has been completed with a grant from Khazanah Nasional.

The Department of Arabic Studies and Islamic Civilization at the Faculty of Islamic Studies (FPI) of UKM provided materials for the content and scripting while the fully owned production house of Media Prima did the shooting and post-production of the documentary. A memorandum of agreement (MoA) enabling collaboration between UKM and Primeworks Studios to produce other documentaries was signed by Deputy Vice Chancellor of Industry & Community Partnership Prof. Dr. Imran Ho Abdullah and Chief Executive Officer of Primeworks Studios Ahmad Izham Omar.

The signing was witnessed by Dean of the Faculty of Islamic Studies (FPI) Prof. Dr. Wan Kamal Mujani and senior officials of Primeworks Studios.





Prof. Imran said the first documentary recounts how Islamic scholars and thinkers had for centuries shaped the development of Islamic civilization in the Malay Peninsula, Sabah and Sarawak.

Prof. Imran also praised of the FPI researchers and students for their thoroughness in gathering materials for the documentary.

Ahmad Izham said 'Ulama Nusantara' will also be aired in Indonesia and there are also plans to adapt it for English-speaking audiences in other countries.The General Manager of Content and Media Industry Development of Primeworks, Azhar Borhan said that Khazanah Nasional Managing Director Tan Sri Azman Mokhtar wanted the documentary to be translated into other languages for higher marketability. Meanwhile, Prof. Imran also said that UKM and Media Prima had jointly agreed to carry out flood relief operations in providing medical supplies and educating flood victims on disease prevention measures.

This collaboration is part of a UKM and Media Prima initiative to assist the flood victims who were facing exposure to waterborne diseases which are common after flooding.

Media Prima has allocated an initial fund of RM200,000 from the NSTP-Media Prima Disaster Fund for UKM to carry out health relief work for the victims from waterborne diseases like cholera, typhoid, leptospirosis, diarrhea and skin diseases.



wo students who had shown brilliance in cycling at the national level were honoured at the National University of Malaysia (UKM) 25th Sports Awards Night 2015.

Mardiana Mohamad, 21, a second-year student is the winner of two gold medals, one at the SUKMA Games sports bike championship in 2014 and another at the International Border PDRM Challenge as well as several other medals that made her an obvious choice for the UKM awards. M. Asrul Taufiq Annuar, also 21 and a secondyear undergraduate, in 2014 had carved a niche for himself with gold medals at the National Track Championship, Batu Pahat HS 100, and the National Youth Championships Trek. Also present at the gala evening were Vice-Chancellor Prof. Datuk Dr. Noor Azlan Ghazali, Deputy Vice Chancellors Prof. Dato' Dr. Mazlin Mokhtar (Research & Innovation), Prof. Datin Noor Aziah Mohd Awal (Student Affairs & Alumni) and Sports Center Director Assoc. Prof. Dr. Tajul Arifin Mohammed.

Prof. Noor Azlan congratulated all the winners whom he described as rising stars. Dr. Tajul Arifin said, all students should take part in organised sports programmes on and off campus. In addition to health benefits, it also helps build a sporting identity and attitude.

UKM Sports Center has collaborated with the Ministry of Youth and Sports, as well as corporate entities. In 2014, 18 students received sports scholarships from the Sime Darby Foundation. UKM plans to collaborate with more companies and non-governmental organisations in future.



Gifts in the form of trophies, awards certificate and cash were presented by Prof. Noor Azlan Ghazali and Dr.Tajul Arifin.

In addition to the awards ceremony, the audience were entertained by various dances and songs performed by UKM students.

Winner of the sportswoman award, Mardiana Mohamad started sports cycling in primary school and became more competent by the time she entered university. She said in order to be successful in sports, one must remain consistent and focused. She advised all students not to give up easily because failures often occur before success. Winner of the sportsman award M. Asrul Taufiq Annuar, said he had received support in his bid to be a winning sports cyclist from his elders.

He said he had never neglected his studies while giving due attention to cycling. He advised students eager to excel in sports to stay healthy and keep fit in order to be successful academically as well. UKM 'A' 2020 Criket Champions Again

UKM 'A' defended their 2015 Twenty20 cricket championship by beating rivals UKM 'B' by 52 runs in the finals Bayuemas Oval on March 25th.

In what seemed like a repeat of last year's final UKM 'A' displayed its batting prowess throughout the session. This champions scored 147 runs in 19.5 overs, while UKM 'B' only managed 95 runs.

Batsman Faizal Abu Hassan from rembau, Negeri Sembilan, proved to be the best player in which his batting skills were seen throughout the tournament.

For second runners' up The International Islamic University (UUI) subdued Asia Pacific University 'B' by 65 runs. A total of seven local universities competed in the annual event that was organised by UKM, arguably the country's best cricketing university and the high performance centre of the Malaysian Malay Cricket Shield Association.

UKM is proud of its cricket team for winning the Malaysian Malay Cricket Shield Association for the third time running. They are also the Education Ministry 2014 champions, while four of the squad members had represented Malaysia at the World Cricket League Division Four in Singapore.

Apart from that, six of the UKM players wore the national colours at the Asian Games in Incheon, South Korea. The accomplisments had further vindicated UKM's sporting credentials at national and international levels.



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