Quick Facts and Numbers

Monash University Malaysia Vision Statement
Monash University Malaysia is a premier research intensive institution committed to nurturing visionary, responsible and effective leaders who are empowered with the skills to serve our national and global communities.

Monash University Malaysia Mission Statement
Monash University Malaysia offers an internationally recognised Australian education, enriching the student experience and employability through educational innovation, high impact research, student mobility, social entrepreneurship and industry engagement.

6926* total students
6283 undergraduate students (90.9%)
250 postgraduate coursework students (3.9%)
393 postgraduate research students (5.2%)

764 staff from 39 countries
338 Academic staff
426 Administrative staff

1875 international students from 72 countries

11,208 Monash Malaysia graduates

RM10.28mil external research funding

RM14.9mil scholarships awarded
(based on unaudited figures for 2015 only)

RM78.3mil scholarships awarded

Statistics updated as at 31 December 2015 unless stated otherwise,

*Remarks:
Source of data: Kronos Student Course List, Cattista
1. A student may be enrolled in more than one course in 2015. In such cases, the student will be counted against every course in which they were enrolled.
2. Include students from non-award courses and study abroad programs.
3. Exclude students with course attempt status Discontinued.
President’s Foreword

In 2015, Monash Malaysia graduated 1184 students and they joined our alumni of 11,208 graduates based in Malaysia and around the world. Preparing our students to be responsible and effective global citizens underpins the education provided by Monash University’s first and largest international campus. Our mobility scheme with over 150 partner universities in 31 countries provided 255 students with the opportunity to expand their horizons and develop the edge needed for working in a global economy by spending a semester at Monash Australia, Monash South Africa and 11 other countries.

Our comprehensive portfolio of 23 undergraduate programs was complemented by the introduction of several new masters taught programs in 2015. The first group of MBA students commenced, followed by the Master of Advanced Engineering (Energy and Sustainability) and the Master of Professional Counselling. These courses will help to build professional and leadership skills for working professionals. Other new master programs are also under development in response to the needs and priorities of Malaysia and the region.

The quality of our teaching and learning had renewed focus in 2015. Educators, supported by the Better Teaching Better Learning (BTBL) grants, are tackling a number of key issues and creating new initiatives, e.g. interprofessional problem-based learning using real patient scenarios; transforming the way in which general studies is taught and expanding English language teaching through new Monash English bridging courses. Responding to changing student needs and pedagogy, the new Smart Classroom was designed for more flexible learning approaches, enabling educators and learners to engage interactively and instantaneously. As student numbers continue to grow, the preparation of a new campus masterplan commenced to guide the development of our learning environment over the next 10 years.

Many outstanding examples are provided in this report of the ways in which our students excelled in 2015. For example, Islamic Marketing students from Business won the Best Paper Award at the Academy for Global Business Advancement’s 12th World Congress and a Science PhD student was awarded a grant from a leading UK-based charity for her PhD project on the impact of oil palm and acacia plantations in Borneo.

Research capacity and capability continued to grow in 2015. External research income reached RM10.28 million, with significantly increased industry funding. HDR student numbers grew to 416, with 51 completions - the highest ever. Research outcomes demonstrated the growing impact of researchers’ efforts. For example, the first Malaysian fish genome - the Asian aronawa – was successfully sequenced. Another first for the country was the development and validation of wireless and contactless anthropometric measurement equipment by our Telemedicine Multidisciplinary Research Cluster team.

External engagement continued to be a major focus with 930 students having completed their internships in 490 companies, across 20 countries. Through faculty-based alumni networks, the Pharmacy and Business alumni groups were established. Prominent alumni acknowledged at the 2015 graduations included the conferment of an honorary doctorate to Prof Dr Adeeba Kamarulzaman (MBBS, 1987) and a Distinguished Alumni Award to the Right Honourable Mr Lim Guan Eng (BEng, 1984).

I hope you enjoy reading about some of the highlights of our achievements in 2015 and thank you for your continued support as we continue to nurture visionary, responsible and effective leaders empowered with the skills to serve communities wherever they are.

Prof Helen Bartlett
President and Pro Vice-Chancellor
Monash University Malaysia
Monash Malaysia
2015 in Review

January

Memorandum of Understanding (MOU) with B. Braun Malaysia, a German-based medical solutions multinational giant, to develop a functional biopolymer coating and make medical devices safer for patients

Massachusetts Institute of Technology (MIT) Professor of Accounting, Emeritus Ross Watts delivered keynote address at the Journal of Contemporary Accounting and Economics (JCAE) Symposium 2015, hosted at Monash Malaysia

Commencement of the first Monash MBA intake in Malaysia

February

Pilot run of the Campus Mentoring Scheme for early career academics launched. Full implementation to take place in 2016

March

Monash Malaysia received its first student on exchange from University of Warwick. The Monash Warwick Alliance was launched in 2012 as an international cooperation in research and education to respond to global challenges

The Sir John Monash Lecture* presented Prof Mark Stoneking, a world’s leading scientist in human evolution

Hosted the Federation of Malaysian Manufacturers (FMM) Selangor Entrepreneurship and Innovation Conference 2015, promoting an enterprising spirit among students

A Guide to Malaysian Goods and Services Tax book launch by tax expert Prof Jayapalan Kasipillai, Deputy Head of School of Business (Education)

*The Sir John Monash Lecture is held in partnership with the Jeffrey Cheah Distinguished Speakers Series
April

__Monash Malaysia recognised by Multimedia Development Corporation (MDeC), the national ICT agency, as one of the seven public and private higher learning institutions committed to the national agenda on Big Data and Analytics__

__Alumna Prof Dr Adeeba Kamarulzaman conferred the Doctor of Laws honors causa by Monash University Deputy Chancellor Yehudi Blacher, in recognition of her outstanding contributions to infectious diseases research__

__Health and Wellness Week to promote awareness on physical, mental and emotional wellbeing among the campus community__

__The University held “Discover Monash”, its first community engagement initiative on campus. Visitors interacted with a range of fun learning activities designed for young children to adults, put together by Monash Malaysia academics, researchers, professional staff and students__

__Jeffrey Cheah School of Medicine and Health Sciences celebrates its 10th anniversary. An alumni networking dinner was held in conjunction with the anniversary__

May

__Monash SEACO (Southeast Asia Community Observatory) Friends Award Ceremony held to recognise the contributions of selected community members, leaders and stakeholders__

__Monash Alumni networking reception held for the first time in Singapore__

__Monash Malaysia students formed Team Imparo and Team Innocation, placing First and Third respectively at the L’Oréal Brandstorm Malaysia competition. Team Imparo represented Malaysia to the international finals in Paris, France__

June

__Two prominent neuroendocrinologists took the stage at the Sir John Monash Lecture series respectively, namely Prof Ishwar Parhar, Jeffrey Cheah School of Medicine and Health Sciences’ Head of Neuroscience; and Prof Donald W. Pfaff, a faculty member in the David Rockefeller Graduate Program at The Rockefeller University in the United States__

__Prime Minister Datuk Seri Najib Tun Razak launched the elevated Bus Rapid Transit (BRT) Sunway line, the first electric bus service to operate in Malaysia. The SunU-Monash station and the 1153 parking bays at the BRT Sunway Complex are conveniently located across the Monash Malaysia main entrance__

__The School of Information Technology stood up against plagiarism and hosted the inaugural Joint Panel Workshop for iConnect for European Union and South East Asia e-Plagiarism Battle__
Green Steps @ Workplace program launched with 10 pioneering staff from across the campus selected for training to be change agents in environmental sustainability.

Collaboration with Ministry of Health, Collaborative Research in Engineering, Science & Technology (CREST) and Sunway Medical Centre to hold the first Telemedicine Conference in Malaysia on 4-6 Aug.

Australian Foreign Minister Julie Bishop met Prof Helen Bartlett at the Malaysian launch of the New Colombo Plan on 7 Aug.

Approval of three new programs, namely the Master of Advanced Engineering (Energy and Sustainability); Master of Professional Counselling; and Bachelor of Psychological Science.

The Women Leadership Forum 2015 reinforced the important role of women leaders in universities.

Monash Alumni networking event in Colombo, Sri Lanka.

Monash University Postgraduate Association (MUPA) awarded the first MUPA Supervisor of the Year Award to Dr Narayanan Ramakrishnan (School of Engineering). The award acknowledges the crucial contribution of academic supervisors to postgraduate students.

The Sir John Monash Lecture series featured Prof Viswanath Venkatesh, a distinguished professor and Billingsley Chair in Information Systems at the Walton College of Business, University of Arkansas.

Monash Malaysia welcomed Inaugural visit by the Governor-General of the Commonwealth of Australia, HE General the Honourable Sir Peter Cosgrove AK MC (Retd) and wife, HE Lady Lynne Cosgrove on 13 Aug.

Maybank Group launched Maybank@Monash on 17 Aug, the first banking facility of its kind dedicated to Gen Z and the millennials in Malaysia.

Monash Volunteers, a two-week campus-wide program, highlighted engagement with different disadvantaged groups, including the visually impaired and refugees.

SEACO received the prestigious ISO 9001:2008 certification.

Business Investment Challenge 2015 developed greater awareness on financial discipline for pre-university students.

The UNESCO Chair in Communication for Sustainable Social Change, Prof Jan Servaes, delivered an address at the Sir John Monash Lecture series.

MOU with Institut Jantung Negara (IJN) on 10 Sep to kick off a Frontiers in Intelligent Medicine (FIM) collaboration.
October

- Three students received the Jeffrey Cheah Foundation-Monash Equity Scholarship, a merit-based scheme for financially-deserving students.

- Memorandum of Agreement (MOA) with DuPont Malaysia, to nurture undergraduates on ethical decision making and business ethics.

- Engineers Without Borders at Monash University Malaysia (EWB-MUM) launched project to improve living spaces for the Positive Living Community (PLC), a centre in Batu Arang, Selangor that provides shelter and support to people affected by HIV/AIDS and drug addiction.

- Years Three to Five MBBS students at Clinical School Johor Bahru reached out to its community in Jom Sihat, a community health project.

- School of Engineering received Washington Accord accreditation.

- Inaugural Pharmacy alumni cocktail dinner held.

November

- MOU with the Human Rights Commission of Malaysia (SUHAKAM), outlining four substantive areas of cooperation in raising awareness about human rights.

- 50 staff received Long Service Awards for their dedication to Monash Malaysia.

- Monash University’s President and Vice-Chancellor, Prof Margaret Gardner AO, unveiled the Focus Monash: Strategic Plan 2015-2020 to Monash Malaysia staff.

- Engineering alumni networking dinner.

December

- Penang Chief Minister the Right Honourable Mr Lim Guan Eng received the Monash University Distinguished Alumni Award presented by Dr Alan Finkel, the Chancellor of Monash University, at the Graduation ceremony.

- Arts alumni networking reception.

- 108 October intake undergraduate and postgraduate scholars recognised at the Scholarships Award Ceremony.

- Monash University Foundation Year (MUFY) graduates with excellent academic results received Monash High Achievers Award scholarships to pursue their undergraduate studies at Monash Malaysia.
Impact Driven Research

Our researchers made a number of major breakthroughs in 2015 that are contributing to the strategic development of communities and countries in the region and the developing world.

The close affinity scholars have with external organisations has enabled Monash Malaysia researchers to work on grand challenges that impact industry and societies in the region.

The research ecosystem provides a vibrant environment that nurtures the next generation of research leaders and creative talent.

Research Highlights 2015

World’s First Sequencing of the Asian Arowana Genome

The Asian Arowana is a high profile Malaysia freshwater fish species and considered one of the most expensive in the world. Our Genomics Facility’s successful sequencing of the Asian Arowana genome made it the first Malaysian fish species to be sequenced. Our scientists will further develop diagnostic tests expected to greatly assist breeders and conservationists of the Arowana, which is listed as endangered in the IUCN Red List of Threatened Species.

Researchers
Prof Chris Austin
Dr Gan Han Ming
Tan Mun Hua

Telemedicine Ecosystem

The Telemedicine Multidisciplinary Research Cluster in Monash Malaysia has developed and validated the first wireless and contactless anthropometric measurement equipment in the country. Formed in 2013, the Cluster has risen to become an important stakeholder in telemedicine research in Malaysia and was awarded a RM1.65mil grant to develop an open source patient-centric telemedicine ecosystem in the country. This ecosystem aims to centralise patient health records, which will facilitate research and rationalisation of health planning.

Researchers
A/Prof Dr Wong Chee Piao
Tay Ee Lin
Dr Anuja Dhamaratne

Industry Partners
Collaborative Research in Engineering, Science, and Technology (CREST)
Ministry of Health
Malaysia Communication and Multimedia Commission (MCMC)
Malaysia Development Corporation (MDeC)
Vtxox Tech Bhd
TechnoNet Sdn Bhd
Breakthrough in Viral Control

Monash Malaysia scientists have undertaken research showing how the Influenza A Virus (IAV) controls death of the host cell. The findings have been published in *Cell Death & Disease*, a journal of the Nature Publishing Group. This evidence will inform future research to better understand the pathways involved in an IAV-infected cell, which could lead to cell death prevention, and ultimately, unwarranted deaths.

**Researchers**
Prof Sunil K Lal
Dr Ngm Gin Khai
Dr Neeraj Gupta
Jyoti Batra
Chaljing Yun
Himani Nakwal

**Industry Partner**
International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi, India

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Biopolymer Microcapsules Synthesised Using Pickering Emulsion Templates

Our researchers have developed a novel process to produce oil-core microcapsules using biopolymers derived from seaweed and apple skin using the ‘pickering emulsion’ templates. The microcapsules produced are free of surfactant and animal-derived materials, making the process highly attractive to not only the health-conscious market but also meeting the demands of the growing global halal industry. The method can be used to encapsulate a wide range of water-immiscible liquids, thus revealing its potential for broader application in various industries such as inks, paints, detergents, pesticides and textiles.

**Researchers**
Leong Jun Yee
Prof Teo Beng Ti
A/Prof Chan Eng Seng

**Industry Partner**
Ministry of Science, Technology and Innovation

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Development of MyRideSmart Hazard Training Initiative

Data from PERKESO showed that accidents involving 164 motor vehicles take place each day, with 68 of these being commuting accidents. The number has been on the rise over the last decade and these accidents are a burden to the government and industry, as well as a huge social cost to the employees and their families. Some 200 participants have been trained at their respective workplaces to implement an intervention program developed by our researchers and to gather data for further research.

**Researchers**
Dr Jennie Oxley (Monash Injury Research Institute)
Prof Pervaiz K Ahmed

**Industry Partners**
Social Security Organisation (PERKESO) Malaysia
Federation of Malaysian Manufacturers Selangor

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Women's Decision-Making and Information Sharing in the Course of Migration

Our researchers conducted surveys, interviews, and field work to gather insights into the Rohingya migration journey, particularly those related to decisions made by the Rohingya women migrants and their impact on the migration. These findings potentially impact policy with regard to global migration governance (for Australia as a country of destination) and protection of diasporic communities such as the Rohingyas who remain stateless and are vulnerable to harassment and abuse in the hazardous migration journeys.

This project is supported by the Department of Immigration and Border Protection (DIBP)-Australia National University Collaborative Research Programme.

**Researchers**
Prof Sharon Pickering (Monash University, Australia)
A/Prof Claudia Tzreiter (UNSW)
A/Prof Sharon A. Bong
Novel Bacteria Discovery Named After Monash

Actinobacteria are a group of bacteria that produce valuable metabolites, some of which have demonstrated antimicrobial and anticancer properties which make them potentially of immense value for clinical application. Our researchers have discovered several novel strains of Actinobacteria, including the Monashia flavia (2015) and Murnia flavia (2014). These strains were named in honour of Monash University (Monashia) and Monash University Malaysia or MUM (Murnia) in recognition of the support for our research from the campus which made this fantastic discovery possible.

Researchers
Dr Lee Learn Han
Prof Dr Hong Kui (Wuhan University, China)
A/Prof Dr Chan Kok Gan (University of Malaya)
Dr Nurul Syakima Ab Mutalib (UKM Medical Molecular Biology Institute)
Yin Wai Fong (University of Malaya)
Azizie Shazlleen Azman
Nurulilhudda Zainal (University of Malaya)

Solid State Lighting Based Mask Aligner System

Our researchers invented the UV light emitting diodes (LED) based mask aligner system, which will serve small scale electronic industry and research laboratories manufacturing electronic chips. The present prototype showed that manufacturing cost could be lowered by as much as 90% compared to other market mask aligners, while ensuring its operational functions are equivalent to state of art mask aligner systems. This invention is in line with Malaysia’s National Key Economic Area (NKEA) goal to create solid state lighting and promote automation equipment manufacturing.

Researchers
Dr Narayanan Ramakrishnan
Nean Heng Lee

Solid Wastes Management via Vermicomposting and Pretreatment Processes

Responding to an urgent need to introduce a sustainable organic solid wastes management system, our researchers have found out that vermicomposting is able to bio-transform a wide variety of organic solid wastes, ranging from agricultural solid wastes to municipal solid waste. Several organic solid wastes, such as soy bean husk, rice husk, rice straw, empty fruit bunches, palm oil mill byproducts and other wastes, have been tested and all the aforementioned wastes could be transformed into stabilised fertiliser or vermicompost within a short period of time via vermicomposting process. The vermicompost has been shown to enhance soil fertility physically, chemically and biologically, leading to significant improvement in plant growth.

Our researchers also developed a novel method to transform lignocellulosic solid wastes into value-added products by incorporating different mechanical, chemical, and biological pretreatments.

Researchers
A/Prof Wu Ta Yeong
Lim Su Lin
Lim Pei Nee
Katarina Shafik Pui Yee
Lee Leong Hwee
Loow Yu Loong
Lim Yong Shen
Tan Khang Aik
Yang Ge Hao
Ang Lai Yang

Studying Knowledge Content in Key Economic Sectors in Malaysia Phase III (MYKE III)

The overall results from the MYKE III study will inform policy makers and other stakeholders on the types of policies, strategies and intervention programs that would complement and enhance the implementation of the 11th Malaysia Plan (RMK 11), and to strengthen the knowledge intensity of Malaysian firms. The project assesses the progress made to-date in Malaysia’s aspiration of becoming a high income economy by 2020 and actions that are needed to realise that ambition.

Researchers
Prof Pervaiz K Ahmed
Prof Mahendhiran M Nair
Prof Christina Lee
A/Prof Santha Valthilingam
Dr Teh Pei Lee
Dr Au Wai Chan
Dr Afkar Q Hilles

Industry Partner
Economic Planning Unit,
Prime Minister’s Department
Improving Drug Abuse Treatment Outcomes

Drug treatment programs are hampered by the lack of a systematic record keeping system that tracks relevant information about patient history. The Cambodia-Laos-Myanmar-Vietnam (CLMV)-Monash Drug Educational Resource was developed to create a centralised database which will track patients’ treatment and abuse history. This online platform is envisioned to encourage interaction between the community and experts beyond their geographical borders. Content development for this project is in progress.

Researchers
Dr Tam Cai Lian
Dr Gregory Bonn (Nagoya University)
A/Prof Dr Rozalnee Khaireuddin (National University of Malaysia)
A/Prof Dr Dang Hoang Minh (Vietnam National University)
Chie Qiu Ting

Industry Partners
Ministry of Education
National Higher Education Research Institute of Malaysia

Tuberculosis and Health Economics

Tuberculosis (TB) remains the second highest infectious disease in Malaysia with the incidence of TB steadily increasing over the years. It has caused a significant economic burden to the government, which spends more than US$1.5m annually to managing TB in Malaysia.

Our researchers have received a grant from the World Health Organisation (WHO) to conduct a health economic study which may provide evidence to policy makers for the development of a post-2015 TB strategy and targets. This study aims to develop an age-stratified dynamic transmission model that reflects the long-term population-level control of TB in Malaysia.

Researchers
Prof Kenneth Lee
Dr David Wu
Dr Fun Weng Hong
Dr Chong Yue Meng
Collaborators from Ministry of Health

Industry Partner
World Health Organisation

Awards

Gold Award - British Computing Society (Sri Lanka Section)
Active video game based virtual rehabilitation system for children with brain injuries, jointly developed by the Monash Malaysia Telemedicine Multidisciplinary Research Cluster and University of Colombo School of Computing

Fellow - Academy of Sciences Malaysia
A/Prof Lim Yau Yan
Elected as a Fellow of the Academy, which provides advice to government on matters related to science, technology and innovation

Pecipta 2015 Silver Award
Dr Narayanan Ramakrishnan and Wea Heng Lee
For their invention, the UV LED based mask aligner system

Best Paper Award - Academy for Global Business Advancement’s (AGBA) 12th World Congress
Tan Yinn Wayne, Yap Keen Why, and Keith Piong, with A/Prof Md Yunus Ali
For their paper titled ‘Muslim consumers halal consumption: The role of emotional and religiosity factors in buying attention’

TienTe Lee Excellent Scientific Paper Award 2014
Thenapakiam Sathasivam, PhD candidate
For her research on extracting cellulose from sago biomass for the production of pharmaceutical substances that are added to drugs that treat inflammatory bowel disease

Harvard-bound:
Recipients of the the Jeffrey Cheah Travel Grant for Southeast Asian Studies at Harvard University (Fall 2018)
Koh Geok May, A/Prof V. Santha A. Vaithilingam, A/Prof Lee Hooi Yean and Liyanage Devangi Haranmika Perera
Innovating Education

We are working on new innovations to promote and improve students’ experiences of enquiry and discovery. Students are empowered to learn both formally and informally and they are exposed to the next generation of technology, ideas, and knowledge that shape the society of the future.

By using multiple learning approaches in the classroom and real-world settings, we make the world our classroom and we create a learning ecosystem that nurtures the explorer in every student.

Teaching and Learning Highlights 2015

Better Teaching, Better Learning (BTBL)

Better Teaching, Better Learning is about providing an outstanding educational experience for Monash students and staff. It enables and empowers educators to constantly challenge their teaching and be innovators in learning and teaching through the use of an appropriate palette of technologies and the support of multifaceted mode of delivery.

Among the key initiatives that have been outlined are increasing educational innovation, development and research through allocation of funding and improving teaching and learning spaces.

Monash Malaysia has maintained its ranking as Excellent in SETARA, the Education Ministry’s teaching and learning quality assessment. Under the BTBL agenda, Monash Australia has allocated grants amounting to A$200,000 to support academics in the Malaysian campus to continuously develop better teaching and learning methods to spur innovative and creative teaching ideas.

The Monash BTBL agenda expects academics to incorporate innovative teaching pedagogies, methods or case studies which are contextualised to the local and regional environment. Selected courses were identified to enhance teaching and learning through blended learning - a pedagogy incorporating face-to-face and online delivery.

BTBL Grant 2015 Recipients

Adrian Yao and Timothy Wong
General Studies and Monash English Bridging Transformational 6.0

A/Prof Catherine Yule
Tropical terrestrial biology – Promoting an exemplary learning experience in the rainforest using videos

Dr Jaa Yien New
Investigating students’ expectations and experiences of assessment support and feedback: a cross-disciplinary perspective

A/Prof Rafidah Atan
Transport of the critically ill patient – Video demonstration as an added component to create blended learning

Dr Varghese Swamy and Dr Vineetha Kalavally
Malaysian and Australian students’ perspectives on flipped learning of the first year engineering design unit (ENG1002)

Monash University Education Academy Small Grants Scheme 2015 Recipients

ROUND 1

Benny Efendie
Interprofessional problem-based learning using real patient scenarios: A pilot project

Dr Shaun Lee Wen Huey
Development of a sentinel education program to improve patient safety

ROUND 2

Dr Chew Eysin
When Clickers meet Socrative at Monash

Dr Thet Thet Htar
Use of guided active learning in thermodynamics to improve the performance of pharmacy students

Dr Vivienne Mak
Development of an online interactive learning module in the teaching of extemporaneous dispensing

Dr Jaa Yien New
Investigating students’ and teachers’ expectations on assessment support and feedback: A cross disciplinary perspective
Refreshed teaching and learning spaces

The refurbishment of existing teaching and learning spaces is necessary in order to improve and enrich the overall quality of students’ teaching and learning experiences.

The Smart Classroom, which has been in operation at Monash Malaysia since July 2015, is equipped with advanced education technologies, offering a practical instructor-student friendly space with a pleasant ambience for teaching and learning. The space is equipped with a multi-touch Smart Board, 54 Node seating, and continuous wireless connectivity to facilitate collaboration and discussions.

Peer Assisted Study Sessions (PASS)

Monash Malaysia initiated the PASS program in 2014, involving participants from six Schools. The program is accredited by the Australasian National PASS Centre. It seeks to empower students in traditionally difficult academic units through a peer-facilitated system. In 2015, PASS were offered for 21 units, enabling over 700 students to have a greater understanding of course materials in a safe environment. PASS participants have been shown to achieve higher marks and to be much less likely to fail.
**Applying Computer Science Skills for Patient Safety in the Intensive Care Unit**

Our School of Information Technology (SoIT) academic, Dr Nik Nalihah Abdullah, collaborated with the National Heart Institute to develop a pilot research and development program at the institute’s intensive care unit (ICU) for SoIT final year project students.

The goal of the program is to teach IT students through participation in a real-world setting using a human-centred computing approach. One group of students created an app that allows consultant doctors to have patients’ medical information on their mobile devices, while another student group came up with a proposal to simplify the visualisation of patients’ vital signs.

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**Library as Partner in Innovative Teaching**

By adopting innovative teaching practices to create more meaningful learning experiences, the Library demonstrated its ability to reinvent itself to meet the evolving expectations of the Schools.

The Library’s contribution was reflected by the steady increase in student numbers attending information and research skills classes.

The Library has introduced a number of redesigned and Outcome Based Education-informed skills development programs, including unit-embedded research skills classes, postgraduate workshops and the creation of blended learning modules in collaboration with academic staff. An example includes a collaboration with the School of Arts and Social Sciences to design and facilitate a unit-embedded Advanced Literature Search workshop to support students’ research assignments.
Awards

Green Talents 2015
Dr Chong Meng Nan
An international award given by the German Government to recognise young scientists in sustainability research. Dr Chong also won the 2015 Dean’s Award for Excellence in Research by an Early Career Researcher.

Citation for Outstanding Contribution to Student Learning 2014
Dr Chew Eslyn
A recognition by Monash University, Australia, to Dr Chew, who brings technology such as Socrative, Clickers and Turnitin to the classroom

IMU-Ron Harden Innovation in Medical Education Award 2015
A/Prof Arkendu Sen and A/Prof Lakshmi Selvaratnam
For their work in transforming traditional anatomy lessons with the invention of the Multi-Touch Smart Table technology

Recipient of the Rufford Foundation grant
Darshanaa Chellaih
For her PhD project ‘Response of stream functioning to the replacement of natural forests by exotic trees - An assessment of the impacts of Oil palm and Acacia plantations in Borneo’

Invention, Innovation & Design Exposition (iiDEX) 2015 - Bronze prize
Ho Weng Han
For his final year project Intelligent ‘Health with Google Glass’. Ho also won the Telemedicine Innovation Challenge Video Prize, in conjunction with the first Telemedicine Conference
Alumni and Industry Engagement

We seek and create conducive professional networking opportunities for our students and graduates, giving them a head start in their aspirations to become a game changer in their respective fields.

This year, our alumni engagement has entered a new and exciting phase of development through the introduction of faculty-based alumni networks. Specific alumni events were held to establish meaningful networks among peers, academics and industry partners.

We have also actively built and expanded our industry relationships, making significant breakthroughs in new partnerships and collaboration.

Alumni

Monash Malaysia’s Alumni Engagement Program entered a new phase of development as school specific networks started to be established. The Monash Malaysia Pharmacy Alumni (MMPA) network was founded in June under the leadership of Ms Lee Fei Yee (BPharm (Hons), 2013). MMPA held a successful inaugural event in October which attracted 62 graduates from Monash Malaysia and Monash Australia to a networking evening featuring an industry panel which discussed career development opportunities in the pharmaceutical sector in Malaysia. The Group CEO of Symbion Group, Mr David Mah (BPharm (Hons), 2001) was among the panelists.

The Monash University Malaysia Business Alumni Network (MUMBAN) under the leadership of JP Morgan Business Analyst, Mr Wibeur Chin (BBusCom, 2014), was established in August. The School of Arts and Social Sciences held its inaugural alumni evening in December, which featured an exciting talk by Mr Neal Estaville, the Managing Director of MediaCom.

The School of Engineering saw over 100 alumni attend a networking evening featuring a discussion on energy sustainability in Malaysia. Headlining the event were Dato’ Ir. Dr. Ali Askar Sher Mohamad, Chief Operating Officer of Sustainable Energy Development Authority (SEDA), and Dato’ Ir. Dr. Khoo Ping Sen (PhD Eng, 1979), Executive Director of Ikhmas Jaya Group Berhad.

The Sri Lankan alumni of Monash Malaysia also continue to make strides in industry as they have secured jobs with favourable companies in Colombo and globally. Among them include global apparel and textile company, Mas Holdings, which currently has about 25 Monash Malaysia in various positions. The Sri Lankan alumni network organised a high-energy networking dinner in July which saw 50 alumni come together to build on the relationships they established in Malaysia.

Prominent alumni were acknowledged for their contributions over two graduations. Prof Dr Adeeba Kamarulzaman (MBBS, 1987), currently the Dean of the Faculty of Medicine and Professor of Medicine and Infectious Diseases at University of Malaya, received an honorary doctorate from Monash University in April. In December, the Right Honourable Mr Lim Guan Eng (BEc, 1984), Chief Minister of Penang, was awarded the Distinguished Alumni Award for his outstanding contributions to his state.

Monash Malaysia alumni also topped the 16th Annual Malaysia Australia Alumni Council (MAAC) Go-Kart Challenge, clocking in a solid win for the 10th consecutive year.
Industry

Monash Malaysia’s relationship with industry continues to grow in breadth and depth of engagement. Among the highlights of the year include our engagement with:

- The National Sports Institute for joint research towards enhancing the performance of Malaysia’s top athletes;
- The Federation of Malaysian Manufacturers (FMM) for a Joint Study on Industrial Parks in Selangor;
- The Human Rights Commission of Malaysia (SUHAKAM) for developing literature and mobile applications for the promotion and education of human rights;
- DuPont on good governance; and
- BACFREE on a joint project to investigate the effects of ozone concentration on grey water treatment and recycling.

There was extensive engagement with Unilever, Maybank, L’Oreal, Shell, Hong Leong Bank, MIDA, F-Secure, Configura, Monster Technologies, Sunway Group, Nielsen, and OCBC.

The Monash Internship and Career Fair 2015 held in August attracted the participation of 34 companies and two professional bodies. They included Astro, CIMB, Deloitte, Ecoworld, Ernst & Young, Glaxo Smith Kline, KPMG, Lafarge, Nestle, PricewaterhouseCoopers, DHL, Public Bank, Standard Chartered, Unilever and Zabra. The event recorded a large turnout of 3326 students.

Our faculties continue to actively engage with industry through their Industry Advisory Panels, industry talks, internship programs and guest lecture series.
Pro Vice-Chancellor Awards for Excellence 2015

Award for Excellence in Research (Open Category)

**Prof Nathorn Chalyakunapruk**

Published 45 research articles in high impact journals and developed a manual for estimating the economic burden of seasonal influenza, funded by the World Health Organisation

**Award for Excellence in Education (Open Category)**

**Dr Nik Nailiah Abdullah**

Implemented a 23-week Industry-Based Learning program with RM10,000 scholarships for students, which gained public recognition and local media coverage

**Commendation for Excellence in Education (Early Career Category)**

**Dr Miriam Sang-Ah Park**

Developed learning methods for a new home grown psychology unit to suit the local environment and enhanced student learning using educational innovations and internationalisation of the curriculum

**Award for Exceptional Performance by Professional Staff 2015 (Team Category)**

**Janice Wong Yoke Chen**

**Gan Bee Sze**

Project: Enhancing administrative efficiency through SAP implementation

**Commendation (Team Category)**

**Juliana Binti Abdullah**

**Wong Shiah Ping**

**Evelyn Lau Yee Fei**

**Rajini Maya A/P Sinnathamby**

**Galitri A/P Kannasingam**

Project: Enhancing administrative efficiency through SAP implementation

**Ling Shu Fan**

**Teoh Tze Yan**

**Lim Ming Hui**

**Lim Li Ting**

**Saifulbahri Bin Abdul Malek**

**Mahazir Bin Wagtman**

**Haznah Binti Alarn Faizli**

**Yap Sing Nan**

**Sarah Binti Abdullah @ Leong Mee Chee**

Project: Transforming the International Student Pass Office

Pro Vice-Chancellor Awards for Excellence 2014

**Award for Excellence in Research (Early Career Category)**

**Dr Chong Meng Nan**

Research in the field of “Innovative and advanced nanotechnological solutions for water and energy sustainability”

**Award for Excellence in Research (Open Category)**

**Dr Yong Siok Ting**

Research in the field of “Strategies towards energy: Solutions for upstream and downstream”

**Commendation for Excellence in Education (Early Career Category)**

**Dr Julian Hopkins**

Developed an innovative Moodle page to enhance digital literacy skills and provide complementary tools and resources for staff and students in the school

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HSBC Business Case Competition 2015 First Runner-Up

**Alphaeus Tan Win Suyen**

**Chang Foo Khang**

**Ricky Lee Kuang Rong**

**Yeong Chow Cheong**

Abbvie Young Leaders Scholarship 2015

**Lui Mei Yi (Best Graduate)**

**Chin Weng Kong (Best All Round Student)**

IEEE Outstanding Young Engineer Award 2015

**Dr Melanie Ooi Po-Leen**
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