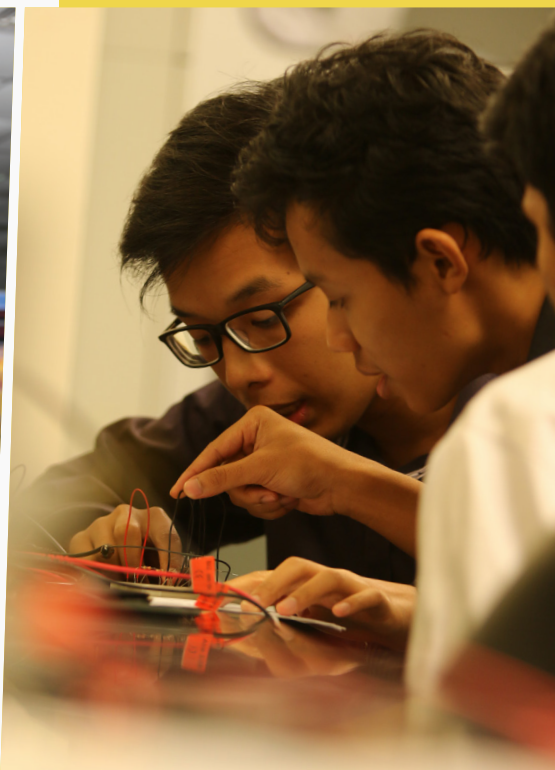




UNIVERSITI SAINS ISLAM MALAYSIA

جامعة العلوم الإسلامية الماليزية
ISLAMIC SCIENCE UNIVERSITY OF MALAYSIA



FACULTY OF ENGINEERING AND BUILT ENVIRONMENT



CONTENTS

Welcome to FKAB

Why Study at FKAB?

Career Prospects

Degree Courses

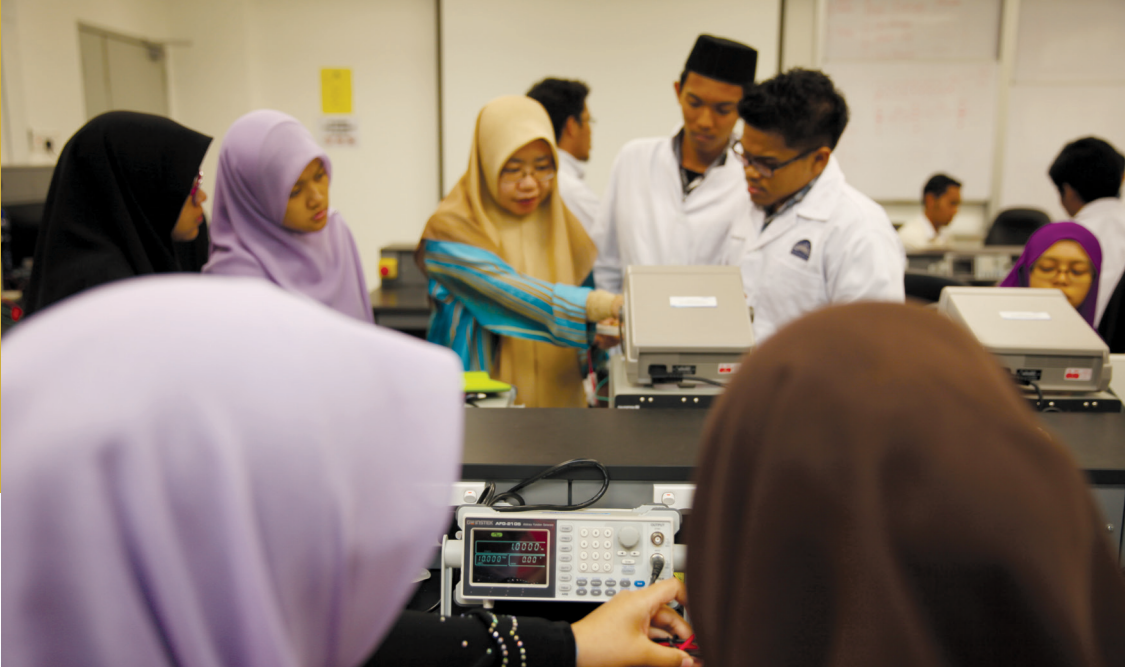
Your Study Experience at USIM

Application and Admission

Contact Us

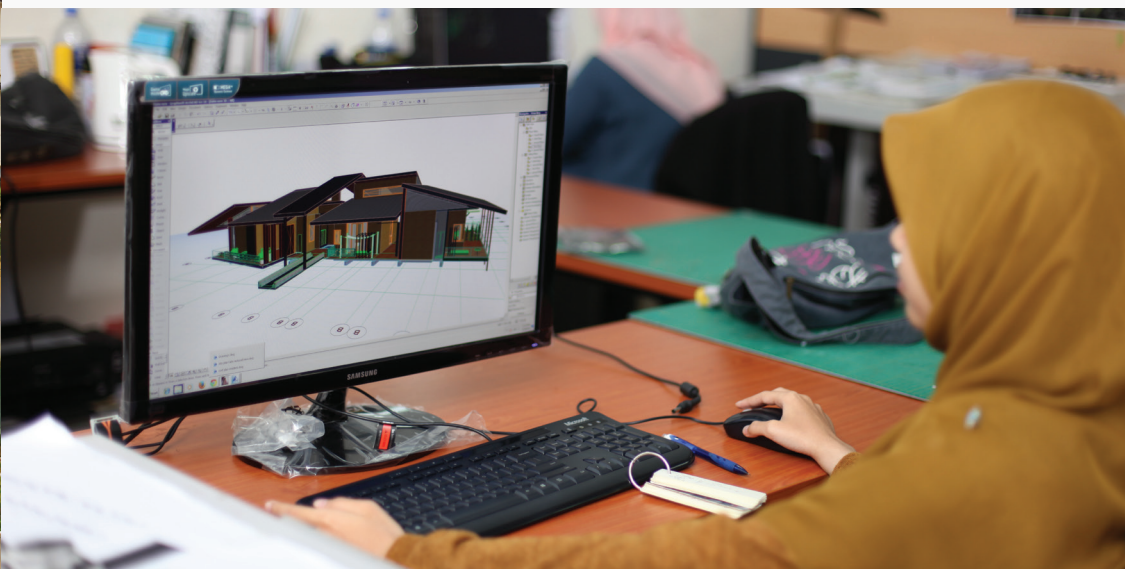
A large, multi-story building with a yellow and orange facade, featuring large windows and a prominent entrance. The building is the Faculty of Engineering and Built Environment at USIM.

WELCOME TO FACULTY OF ENGINEERING AND BUILT ENVIRONMENT



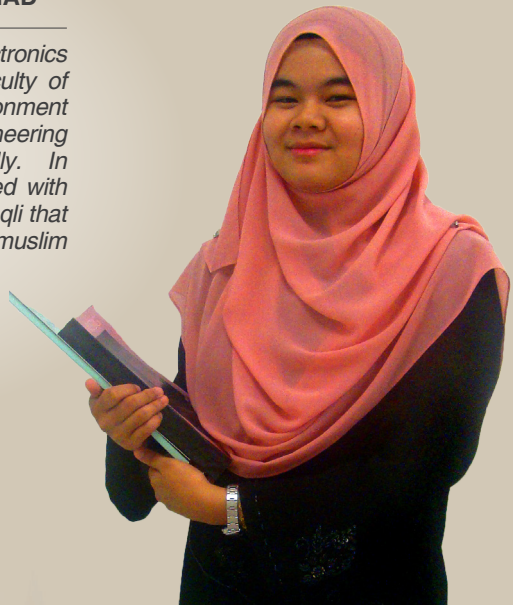
Faculty Engineering and Built Environment (FKAB) was established on 10 December 2015. The establishment of FKAB is aligned with the Pelan Strategik Pengajian Tinggi Negara (PSPTN) and Bidang Keberhasilan Utama (KRA), Universiti Sains Islam Malaysia (USIM) by offering education programs that are recognized in national and international levels.

The knowledge of engineering and architecture is part of the Sunnatullah, who created and rules the universe. Therefore, the programs in FKAB focus on the integration of Naqli and Aqli knowledge. One of its objectives is to instill confidence among Islamic nations, that the integration of the Naqli and Aqli knowledge is the right foundation for the development of techno-socio-economic systems and the stability of nation. The integration of the knowledge is essential to face challenges in competitive industries locally, as well as globally.



NUR AISYAH BT MUHAMMAD

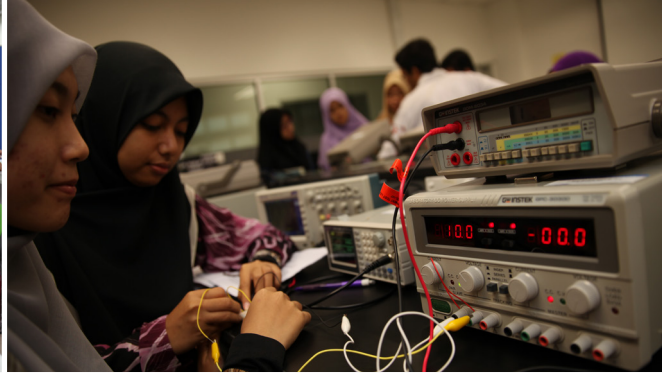
"Being a pioneer in the Electronics Engineering program at Faculty of Engineering and Built Environment exposed me to the field of engineering theoretically and technically. In addition, I am being equipped with the knowledge of Naqli and Aqli that will lead me to be a better muslim engineer in the future."



FATIN NUR SAKINAH BT ZOLKIFLY

"Studying architecture in the Faculty of Engineering and Built Environment had me exposed to the concept of Naqli and Aqli knowledge. We were encouraged to apply these knowledge as a part of our design process that can be served as a guideline to prospective muslim architects in the industrial arena"





WHY STUDY AT

FACULTY OF ENGINEERING AND BUILT ENVIRONMENT

The Integration of Naqli and Aqli Knowledge

Islamic principles and values are taught by integrating Naqli and Aqli knowledge into the course outline of the program to strengthened the curriculum in accordance to USIM's mission.

Innovative Teaching and Learning

The program provides courses that combine the theory and the practical aspects through studio works, lectures, tutorials and lab sessions. These sessions are supported by an e-learning environment (GOALS), providing ubiquitous

accesses to course materials. This way students are able to conduct group studies and discussions anywhere and anytime in the campuses.

Exposure to the current architecture and engineering problems faced by the industries will increase the experiences of the students by solving the real engineering and architecture problems, and not just limited to the existing problems in the reference books.

Academic visits to international universities offering engineering programs and industries such as manufacturing, automotive, utilities, and others. This will increase students experiences in different engineering environments through the visits.

Throughout the courses the students will:

- work and collaborate with peers and lecturers in drawing, design and developing engineering and architecture projects,
- meet regularly in learning groups,
- engage in various learning activities during the lectures and in the labs to develop technical skills.

Highly Qualified Academician

- 3 Professors
- 1 Associate Professor
- 8 academic staffs have PhD qualification
- 8 academic staff have professional qualification.

GREAT CAREER PROSPECTS

Our high programme standards ensure graduates are respected by both local and international employers. The employment record of our graduates is one of the best in the country (within its sector) with graduate employability of 75 percent, which reflects that the attributes and skills they possess match those required by industry. In addition, they also have the potential of obtaining and building a fulfilling career through continuous development of skills and knowledge that can be acquired throughout their career.

All undergraduates have to undergo industrial training for one semester in the final year. They are located in various relevant companies and industries that equip them with experiences, skills, new exposure and job opportunities. It gives the students opportunities to gain hands-on experience and integrate theoretical knowledge and its application in industry as well as acquire additional knowledge and skills as well as develop a healthy mindset to add value to their learning curve.

They are highly demanded in the market as not only their knowledge reflect our uniquely tailored syllabus, they can also portray proficiency in both English and Arabic.

MANY OF FKAB GRADUATES PROCEEDS TO A WIDE-RANGE OF CAREER PROSPECTS :

**ELECTRONICS ENGINEER, BROADCAST ENGINEER,
CONTROL AND INSTRUMENTATION ENGINEER,
NETWORK ENGINEER, IT CONSULTANT, SYSTEMS
ANALYST, ASSISTANT ARCHITECT, ARCHITECTURE
DESIGNER, DESIGN CONSULTANT,
PROJECT ADMINISTRATOR, INTERIOR DESIGNER,
VISUALIZER, RESEARCH ASSISTANT.**



Bachelor of Engineering with Honours
(Electronic Engineering)
Credit hours : 132 credit hours
Program length : 4 years duration

Bachelor of Science in Architecture with
Honours
Credit hours : 126 credit hours
Program length : 3 years duration

DEGREES AT A GLANCE

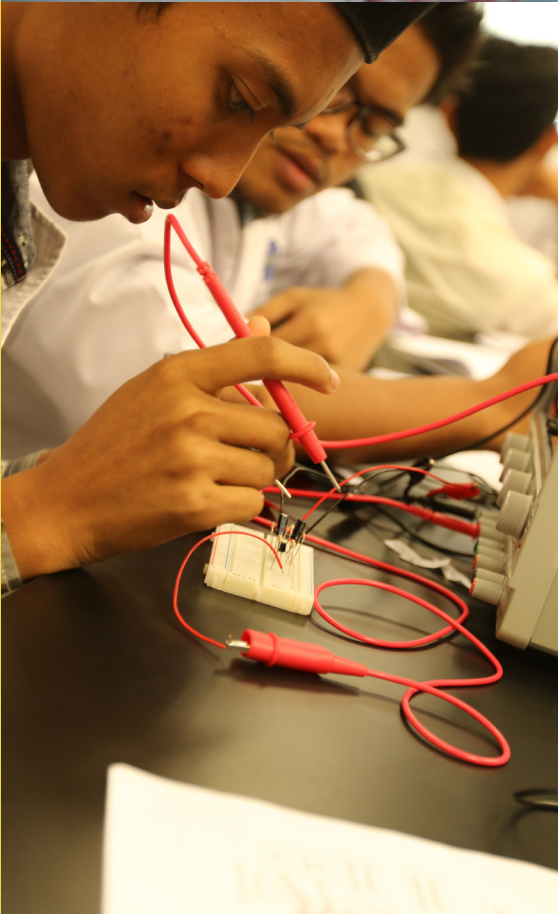
UNDERGRADUATE

Bachelor of Engineering with Honours (Electronic Engineering)

The program covers and applies the core theory of electronics and real engineering problems, whilst simultaneously injecting an element of Naqli (revealed) knowledge in the courses offered. 'Hafazan' courses are also offered in the program. Supported by highly qualified academicians and modern facilities, students are prepared and equipped with the latest engineering knowledge required by the industries.

Bachelor of Science in Architecture with Honours

This three years program provides broad and coherent knowledge and skill base of the discipline of architecture. It aims to inspire and exercise students in a wide and diverse range of experiences so as to develop an independent, creative, experimental and rigorous approach to design. With the integration of Naqli and Aqli knowledge, creative design skills, imaginative vision, strategic thinking, humanistic and ethical understanding, environmental knowledge and technical ability, students are guided in discovering their own vision in architecture within a vibrant and exciting culture assisted by highly qualified academicians.



ADMISSION REQUIREMENTS FOR THE UNDERGRADUATE STUDIES[•]

1. Bachelor of Engineering with Honours (Electronic Engineering)

2. Bachelor of Science in Architecture

FOR STPM HOLDER OR EQUIVALENTS

- (1) Pass STPM with a minimum CGPA of 2.50 and
- (2) A minimum of grade C+ (GP 2.33) at STPM level in the following subjects :
 - Mathematics (M)
 - Mathematics (T) / Further Mathematics
 - Physics
 and
- (3) A minimum of (Grade C) at STPM level in any ONE (1) of the following subjects :
 - Chemistry
 - Biology
 and
- (4) A minimum of grade C at SPM level in these subjects:
 - Arabic Language / Higher Arabic language / Arabic Communication
 - English
 - Biology
 - Physics
 - Chemistry
 - Mathematics
 - Additional Mathematics
 - Any of the TWO (2) following subjects :
 - *Pendidikan Islam*
 - *Tasawwur Islam*
 - *Pendidikan Syariah Islamiyyah*
 - *Pendidikan al-Quran dan as-Sunnah*
 and
- (5) Candidates are not blind / color blind and not physically handicapped

FOR MATRICULATION HOLDER OR EQUIVALENTS

- (1) Pass matriculation / foundation with a minimum CGPA of 2.50 and
- (2) A minimum of grade C+ (GP 2.33) at matriculation / foundation level in the following subjects :
 - Mathematics
 - Physics / Engineering Physics*
 and
- (3) A minimum of (Grade C) at matriculation / foundation level in any ONE (1) of the following subjects :
 - Engineering Chemistry*
 - Electrical and Electronic Engineering Studies*
 - Biology**
 - Computer Science**
 - Chemistry***
 - Computing***
 and
- (4) A minimum of grade C at SPM level in these subjects :
 - Arabic Language
 - English
 - Biology
 - Physics
 - Chemistry
 - Mathematics
 - Additional Mathematics
 - Any of the TWO (2) following subjects :
 - *Pendidikan Islam*
 - *Tasawwur Islam*
 - *Pendidikan Syariah Islamiyyah*
 - *Pendidikan al-Quran dan as-Sunnah*
 and
- (5) Candidates are not blind / color blind and not physically handicapped

FOR STPM / MATRICULATION HOLDER OR EQUIVALENTS

- (1) Pass STPM / Matriculation / Foundation with a minimum CGPA of 2.50 and
- (2) A credit (GP 2.00) at STPM / Matriculation / Foundation level in the following subjects :
 - Mathematics
 - Physics / Chemistry / Biology
 and
- (3) A credit (Grade C) at the SPM level in the following subjects :
 - Arabic Language / Higher Arabic language / Arabic Communication
 - English
 - Biology
 - Physics
 - Chemistry
 - Mathematics
 - Additional Mathematics
 - Engineering Drawing / Visual Arts education / History / Geography
 - Any TWO (2) of the following subjects :
 - *Pendidikan Islam*
 - *Tasawwur Islam*
 - *Pendidikan Syariah Islamiyyah*
 - *Pendidikan al-Quran dan as-Sunnah*
 and
- (4) Obtained level 2 (Band 2) in the Malaysian University English Test (MUET)
- (5) Pass in drawing test and interview conducted by the university
- (6) Candidates are not blind /color blind and not physically handicapped

* for technical matriculation
 ** for science matriculation
 *** for engineering matriculation

• subject to change

with Honours

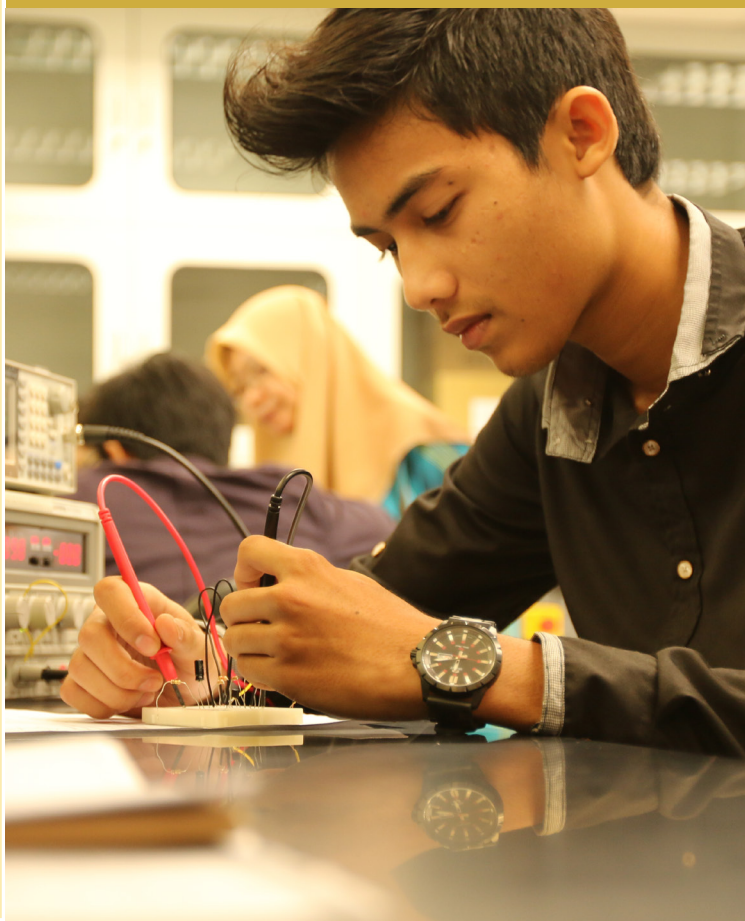
FOR TECHNICAL MATRICULATION HOLDER

- (1) Pass Matriculation / Foundation with a minimum CGPA of 2.50
and
- (2) A credit (GP 2.00) at Matriculation / Foundation on the subject following :
 - Mathematics
 - Engineering Physicsand
- (3) A credit (Grade C) at the SPM level the following subjects :
 - Arabic Language / Higher Arabic language / Arabic Communication
 - English
 - Biology
 - Physics
 - Chemistry
 - Mathematics
 - Additional Mathematics
 - Engineering Drawing / Visual Arts education / History / Geography
 - Any TWO (2) of the eye the following subjects :
 - *Pendidikan Islam*
 - *Tasawwur Islam*
 - *Pendidikan Syariah Islamiyyah*
 - *Pendidikan al-Quran and as-Sunnah*and
- (4) Obtained level 2 (Band 2) in the Malaysian University English Test (MUET)
- (5) Pass in drawing test and interview conducted by the university
- (6) Candidates are not blind / color blind and not physically handicapped

GRADUATE PROGRAMME

Faculty Engineering and Built Environment (FKAB) offers PhD and master programmes in the areas of Architecture and Electronic Engineering. All will have emphasis on Islamic principles.

For full details on the graduate programmes including admission processes and fee structures, please visit <http://cgs.usim.edu.my/en>



YOUR STUDY EXPERIENCE

The USIM Chancellery building is one of the iconic landmarks of the University. This building is inspired by Islamic architectures, with onions-shaped dome as its most highlighted features. From the bird's eye view, the building consists of three building complexes forms the letter 'U' and facing towards the sacred house of the Kaaba in Mecca.

FKAB has various facilities designed for research and teaching. Besides access to the university facilities such as libraries, the main facilities of the faculty are the conference rooms, computer labs, lecture hall, engineering labs / workshops and architectural studios.

We are continually investing in our grounds, buildings and facilities to ensure that you have only the best surroundings in which to live and study.



Global Open Access Learning System

At USIM, you will benefit from access to the GOALS (Global Open Access Learning System), which is a comprehensive and flexible e-learning platform that is designed to provide students and lecturers with a single dashboard that integrate information, administration, teaching & learning, communication and support services. GOALS provide a seamless growth path from the basic function of delivering online courses, to the creation and administration of online communities right up to the management of teaching and learning for the entire online campuses.

Soft Skills

As a USIM student, you will be part of the university vision to produce graduates who possess noble values. Besides university and program courses, there are diversity curriculum courses which are focused on developing major soft skills, namely Communication, Critical Thinking and Problem Solving, Teamwork, Learning and Information Management, Entrepreneurial Skills, Professional Ethics and Moral and Leadership Skills. These courses provide spaces for acquiring knowledge and skills through experiential and practical learning. There are three core programs, namely VOLUNTEERISM, CULTURE and SPORTS



APPLICATION AND ADMISSION

We are looking for students who possess positive attitudes, active, who have the ability and motivation to benefit from our courses and who will make a valued contribution to the faculty and the university. We welcome applications from all over the world and it is our aim to make the process as seamless as possible.

For full details on the programs we offer and detailed entrance requirements, visit <http://fkab.usim.edu.my>

For Malaysian candidates, applications for full-time undergraduate study are made via <http://upu.mohe.gov.my>

For international candidates, the full details of entrance requirements, application processes and fees for undergraduate programs are available at : <http://bpa.usim.edu.my/en/studies-info/international-student>

For full details on the graduate programs, including admission processes and fee structures, visit <http://cgs.usim.edu.my/en>



Visit Us

If you wish to make an informal visit to USIM prior to applying here, you are welcome to do so. Please contact us in advance if you wish to visit the department and we will do our best to assist

Contact Us

FACULTY OF ENGINEERING AND BUILT ENVIRONMENT
Level 2, Faculty of Science and Technology Building,
Universiti Sains Islam Malaysia, Bandar Baru Nilai,
71800, Nilai, Negeri Sembilan, MALAYSIA.

Tel : +606-798 8000

Fax : +606-798 8334

For international student enquiries, please contact:

USIM 'Alamiyyah (International Centre),
Universiti Sains Islam Malaysia,
Bandar Baru Nilai, 71800, Nilai,
Negeri Sembilan, MALAYSIA.

Tel : +606-797-8630 / 8652

Fax : +606-797-8650

Email : alamiyyah@usim.edu.my

You can also follow us through our social media channels,
all of which can be accessed via
<http://www.usim.edu.my/en>