



**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

Razak Faculty of Technology  
and Informatics

# INTRODUCTION TO RAZAK FACULTY OF TECHNOLOGY AND INFORMATICS

Engagement Returning Students  
Session 2018/2019





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and Informatics

# Our Profile



# Synergy 4.0 : A New Synergy Horizon

Faculty of Engineering

Faculty of Social Sciences and Humanities

Faculty of Built Environment and Surveying

Faculty of Science

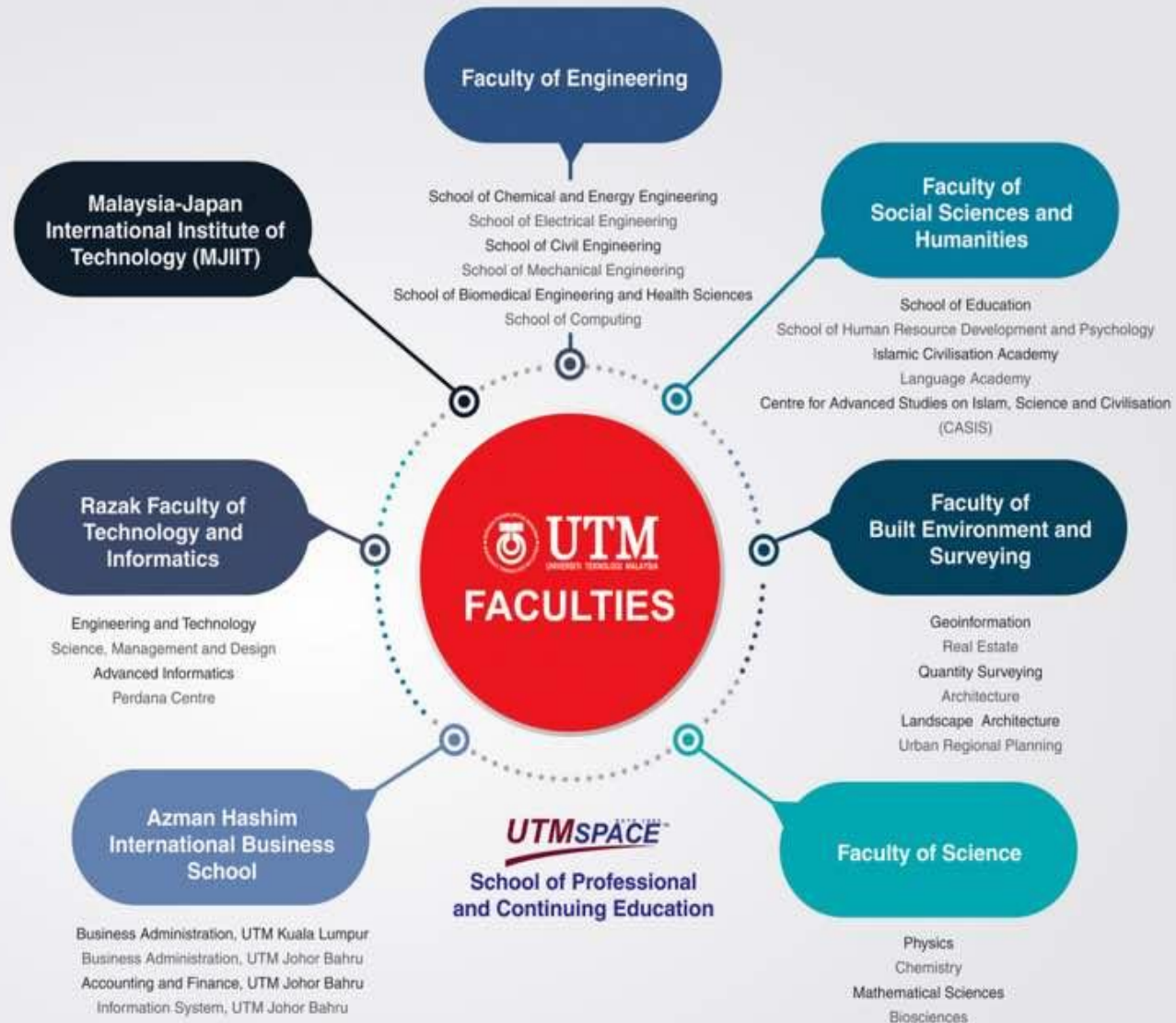
Azman Hashim International Business School

Razak Faculty of Technology and Informatics

Malaysia-Japan International Institute of Technology (MJIT)

*\*Boxes shown by faculty with the most (top) to the least # of academic staff (bottom)*

innovative • entrepreneurial • global



18

Faculties /  
Schools

1972-2018

7

Faculties

From July 1<sup>st</sup> 2018

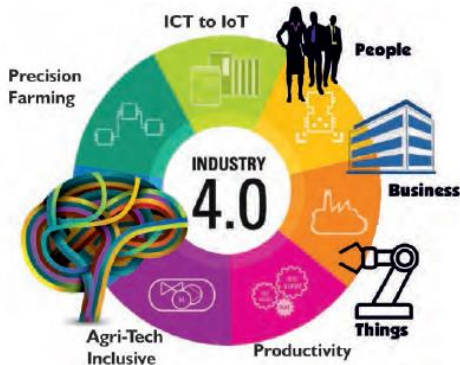
# VISION

To be a global provider of innovative multi-disciplinary industry-focused programmes and services



# MISSION

To provide innovative industry focused programs and services aimed at producing change agents for organizational excellence



# *The transformation... as of 1<sup>st</sup> July 2018*



**BATC**

**CASE**

**CENTEPIIS**

UTM Razak  
School of Engineering &  
Advanced Technology

UTM Advanced  
Informatics School

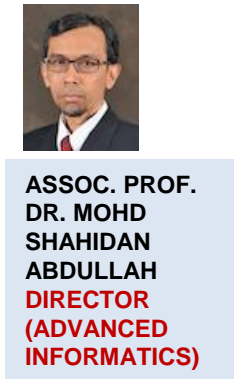
UTM Perdana School



Razak  
Faculty of  
Technology  
and  
Informatics  
(RFTI)

# ORGANISATION CHART

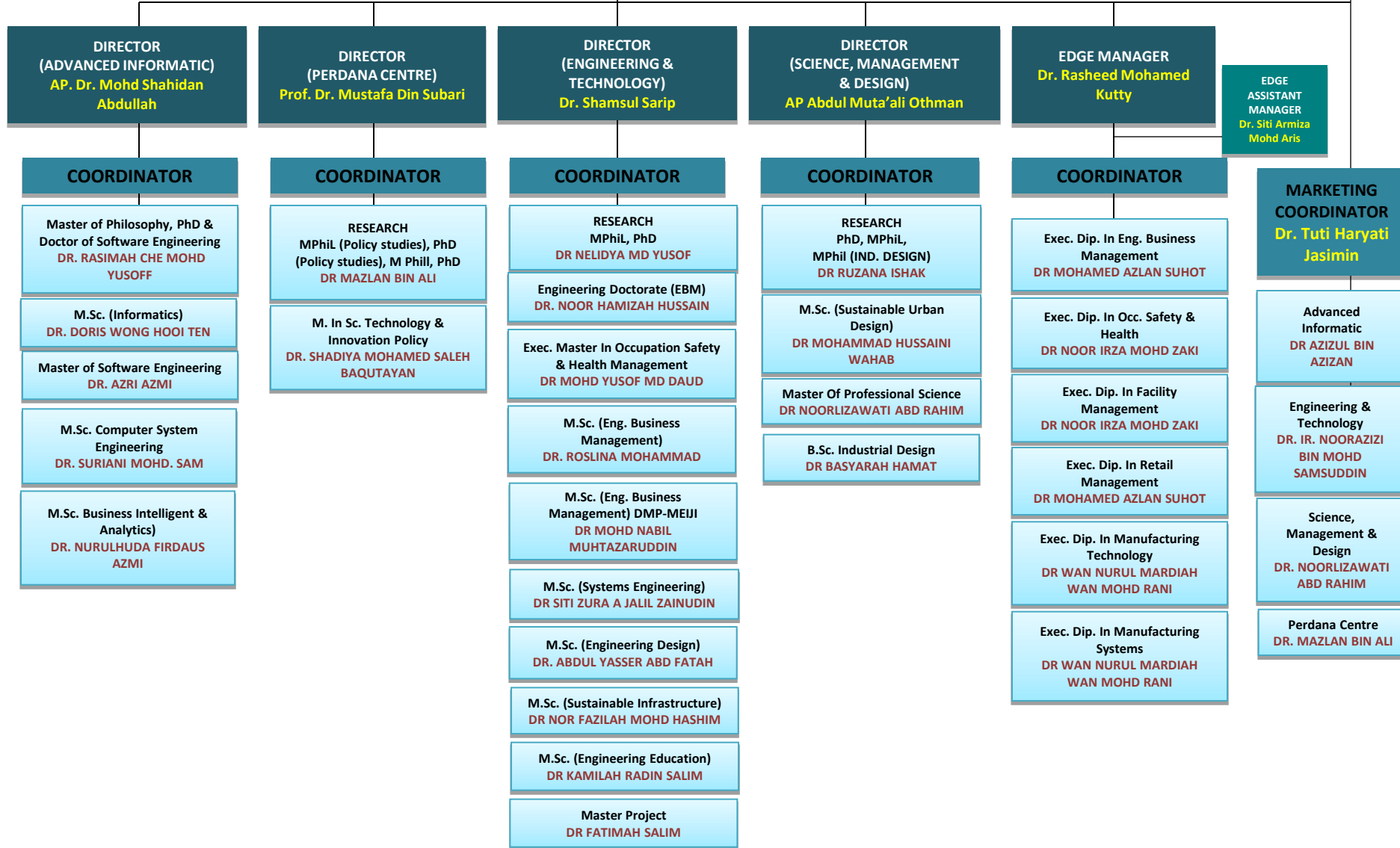
# RAZAK FACULTY OF TECHNOLOGY AND INFORMATICS



# Academic Office Structure

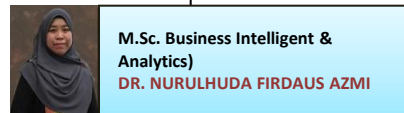
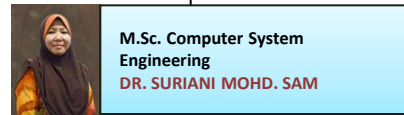
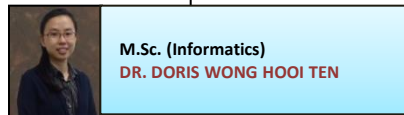
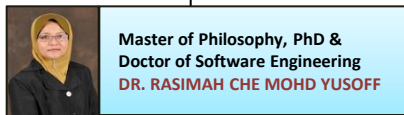
**DEPUTY DEAN (ACADEMIC & STUDENT AFFAIRS)**

**AP Dr. Khairur Rijal Jamaludin**

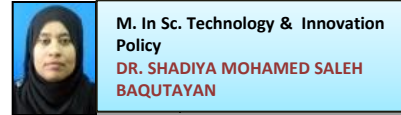
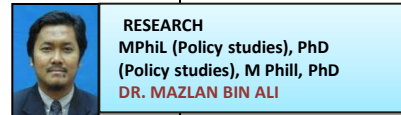


# Postgraduate Program Coordinator

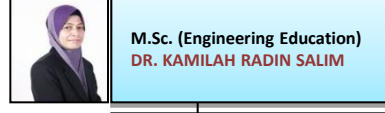
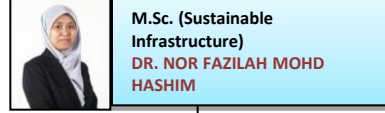
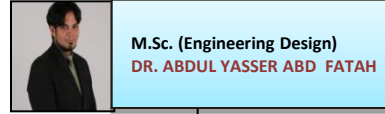
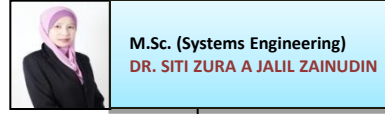
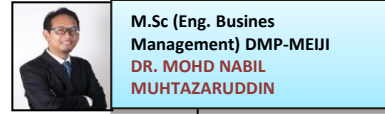
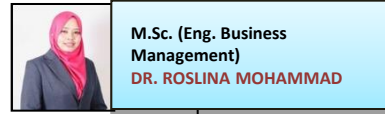
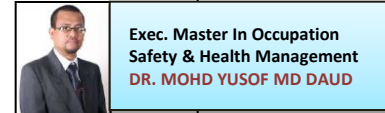
## ADVANCE INFORMATICS



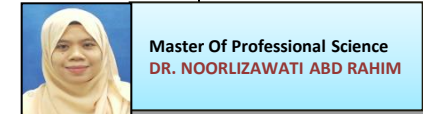
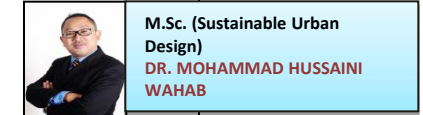
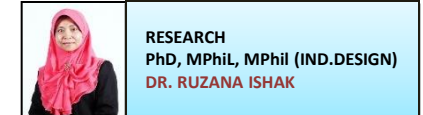
## PERDANA CENTRE



## ENGINEERING & TECHNOLOGY

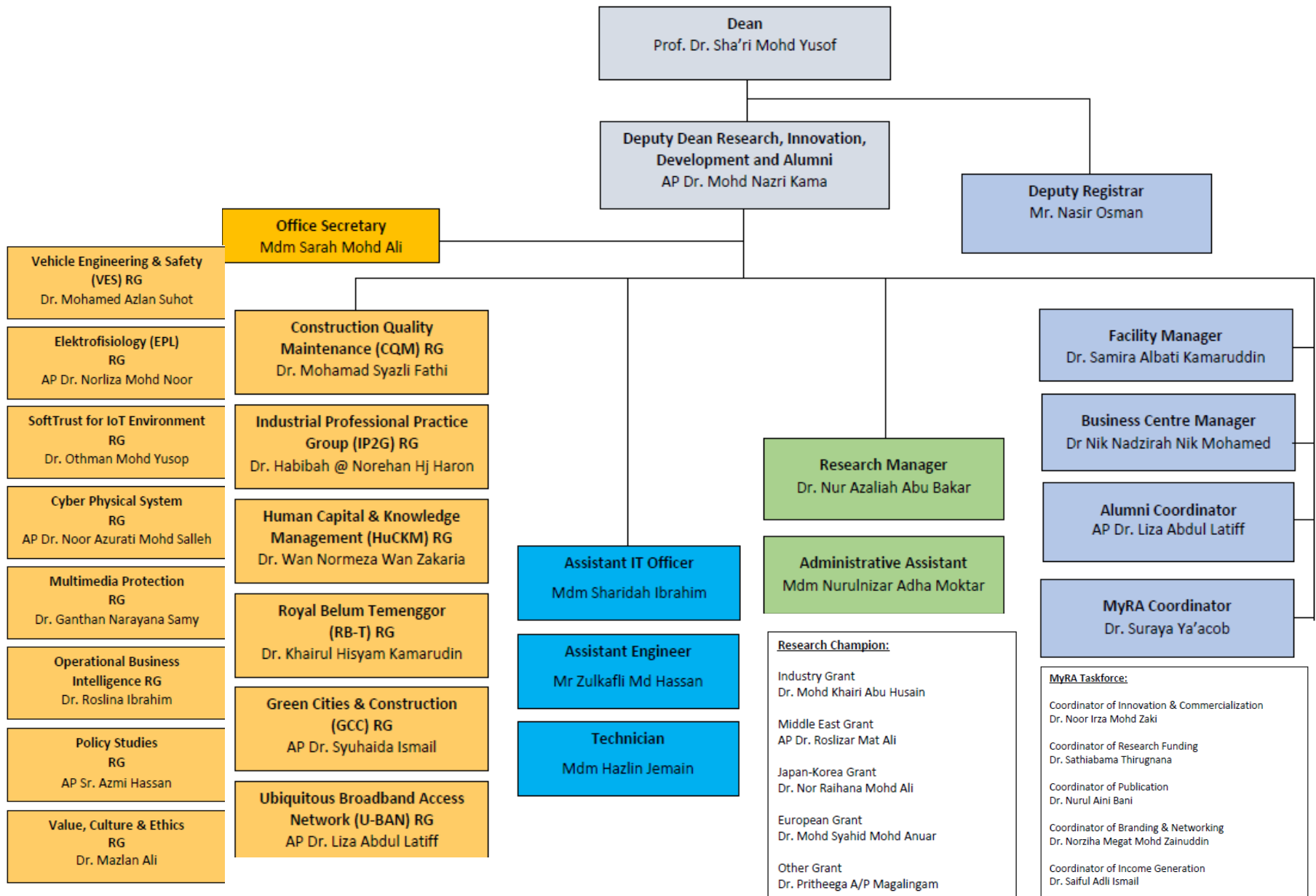


## SCIENCE, MANAGEMENT & DESIGN





# Research Structure



# POST GRADUATE PROGRAMMES – COURSE WORK

**Master of Science (Engineering Business Management)**

**Master of Science (EBM) UTM-MEIJ**

**Executive Master in Occupational Safety & Health Management**

**Master of Science (Sustainable Urban Design)**

**Master of Professional Science**

**Master of Science (System Engineering)**

**Master of Science (Engineering Design)**

**Master of Science (Sustainable Infrastructure)**

**Master of Science (Engineering Education)**

**Master of Science (Information Assurance)**

**Master of Science (Business Intelligence & Analytics)**

**Master of Software Engineering**

**Master of Science (Informatics)**

**Master Of Science (Computer System Engineering)**

**Master of Software Engineering**

**Master of Science, Technology & Innovation Policy**

# POST GRADUATE PROGRAMMES – RESEARCH DEGREES

**Engineering Doctorate (Engineering Business Management)**

**Doctor of Software Engineering**

**Doctor of Philosophy (Policy Studies)**

**Doctor of Philosophy**

**Master of Philosophy**

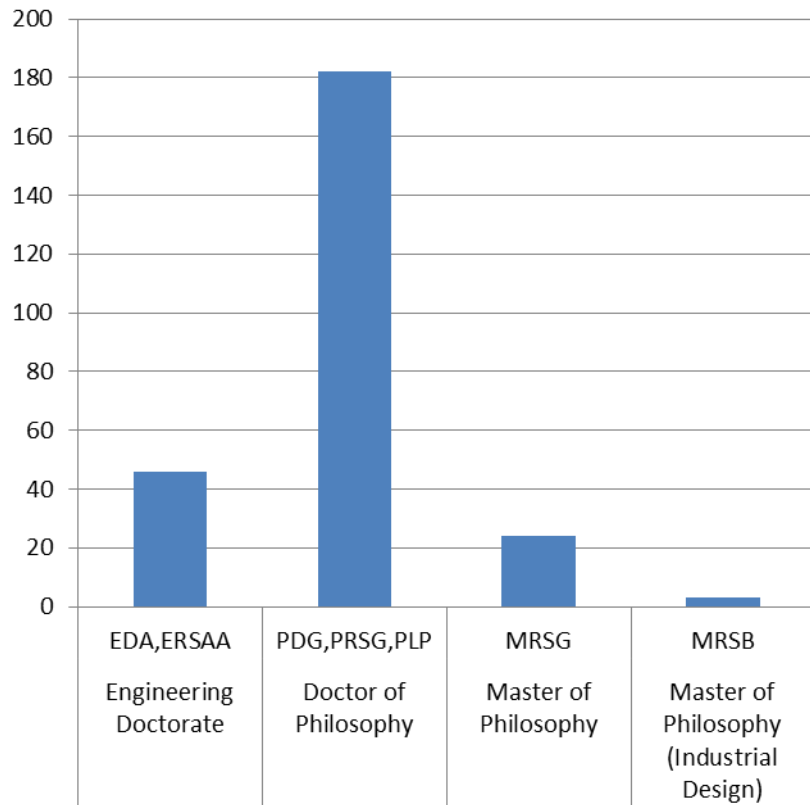
**Master of Philosophy (Policy Studies)**

**Master of Philosophy (Industrial Design)**

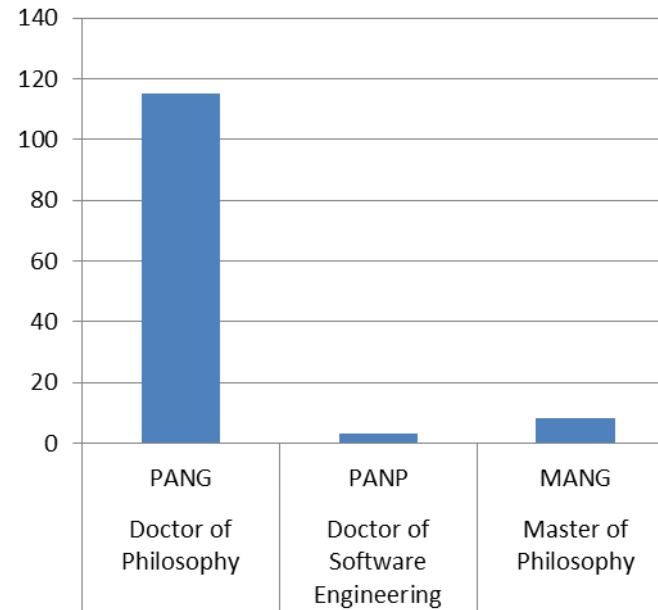
## STATISTICS RAZAK FACULTY PG STUDENT (end Sem II 2017/2018)

DEPT/CENTRE	NO OF STUDENTS
RAZAK (RESEARCH)	255
RAZAK (MASTER)	176
AIS (RESEARCH)	126
AIS (MASTER)	166
PERDANA (RESEARCH)	49
PERDANA (MASTER)	10
<b>TOTAL</b>	<b>782</b>

# No. of Students – Research Programs (except Perdana Ctr)

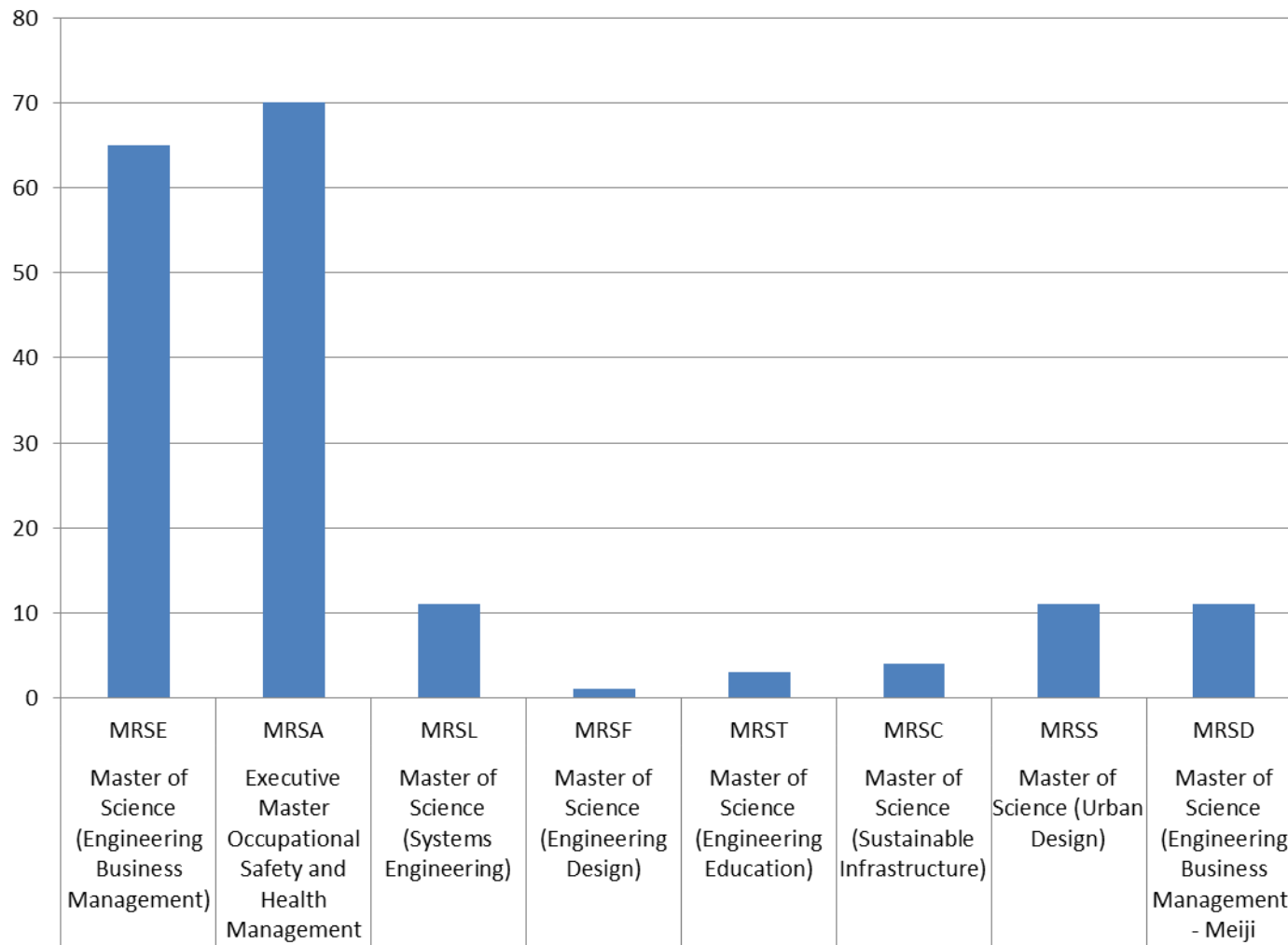


PROGRAMME CODE	NO. OF STUDENT
EDA,ERSAA	46
PDG,PRSG,PLP	182
MRSB	24
MRSB	3
<b>TOTAL</b>	<b>255</b>



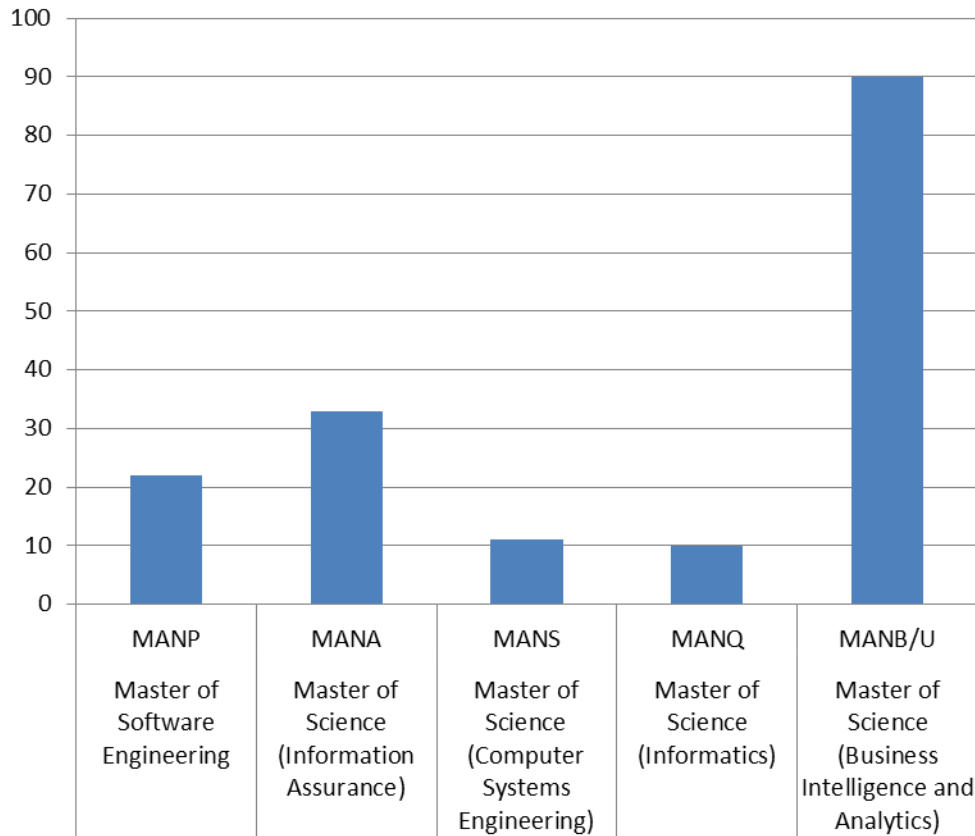
PROGRAMME CODE	NO. OF STUDENT
PANG	115
PANP	3
MANG	8
<b>TOTAL</b>	<b>126</b>

# No of Students (Engineering and Technology + Science, Management, and Design) Coursework



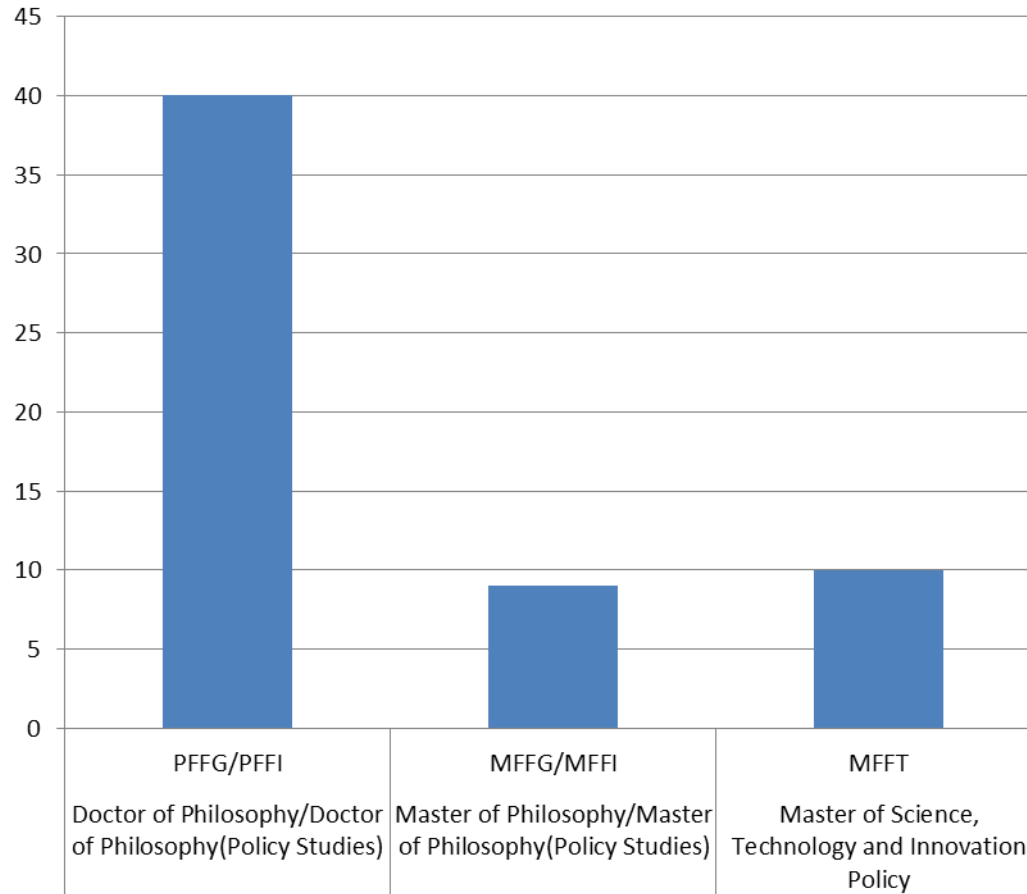
PROGRAMME CODE	NO. OF STUDENT
MRSE	65
MRSA	70
MRSL	11
MRSF	1
MRST	3
MRSC	4
MRSS	11
MRSD	11
<b>TOTAL</b>	<b>176</b>

# No of Students – Advanced Informatics



PROGRAMME CODE	NO. OF STUDENT
MANP	22
MANA	33
MANS	11
MANQ	10
MANB/U	90
<b>TOTAL</b>	<b>166</b>

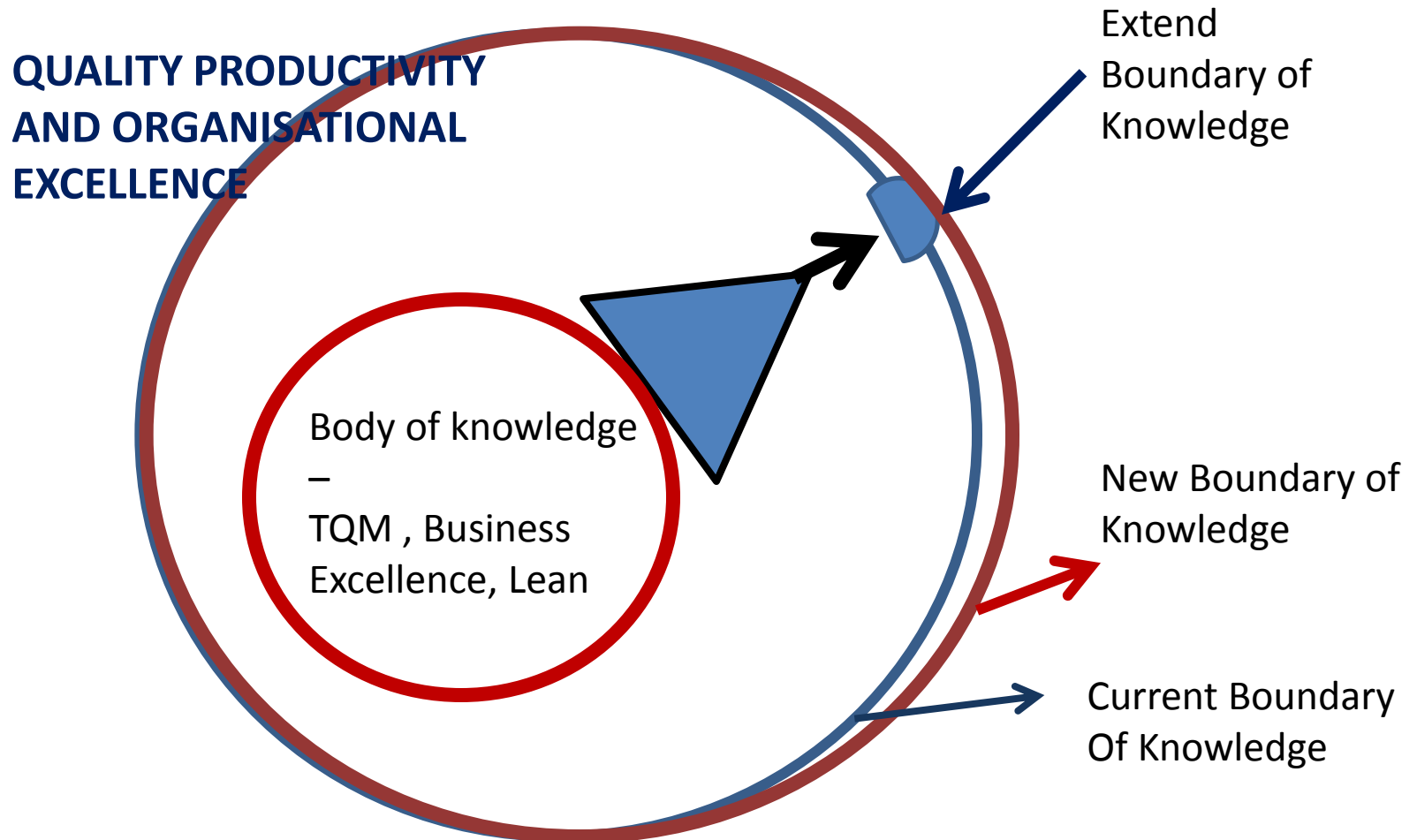
# No of Students - Perdana Centre (Science Technology and Innovation Policy Studies)



PROGRAMME CODE	NO. OF STUDENT
PFFG/PFFI	40
MFFG/MFFI	9
MFFT	10
<b>TOTAL</b>	<b>59</b>



# Research = Contribution to knowledge



# Postgraduate versus Undergraduate Studies

- What is distinction between undergraduate and postgraduate research study?
- Supervision - replaces traditional classroom interaction in undergraduate programme
- Interactions between the supervisor and supervisee crucial - forms apex of teaching and learning in postgraduate education.

# Success Factors

- Discipline = Managing Time
- Rules – Know them and abide
- Allocate Study Time and Show Commitment
- Work hard – Problems are there to be overcome NOT avoided
- Continue Hobbies + Priority to Health
- Family is First, but make friends not forgetting existing ones
- Work – Life Balance

# Edgar Dale's Cone of Experience

People generally remember...  
(learning activities)

People are able to...  
(learning outcomes)

10% of what they read

Read

Define List  
Describe Explain

20% of what they hear

Hear

30% of what they see

View Images

Watch Videos

Demonstrate  
Apply  
Practice

50% of what they see and hear

Attend Exhibits/Sites

Watch a Demonstration

70% of what they say and write

Participate in Hands-On-Workshops

Design Collaborative Lessons

90% of what they do.

Simulate, Model, or Experience a Lesson

Design/Perform a Presentation - "Do the Real Thing"

Analyze  
Define  
Create  
Evaluate



# DISCIPLINE = MANAGING TIME

- Taklimat Pelajar Baru Sesi20182019\Quran- 103. Surah Al-Asr (The Declining Day)- Arabic and English translation HD.mp4

# How to Be Successful in Life

- <https://www.wikihow.com/Be-Successful-in-Life>



**PERATURAN**

**AKADEMIK**

**Pengajian Siswazah**

**Please refer  
throughout  
your studies**

[PERATURAN-AKADEMIK-PENGAJIAN-SISWAZAH-20160524-14072016.pdf](#)



Photo © QZ Photography

# Culture Corner Theme Traditional Dance

Join us for a chat on cultures & languages over coffee

28 NOV 2017 TUE 7<sup>45PM</sup>-10<sup>PM</sup> Banquet Hall, Sultan Ibrahim Chancellery Building, UTM JB  
Organised by UTM International



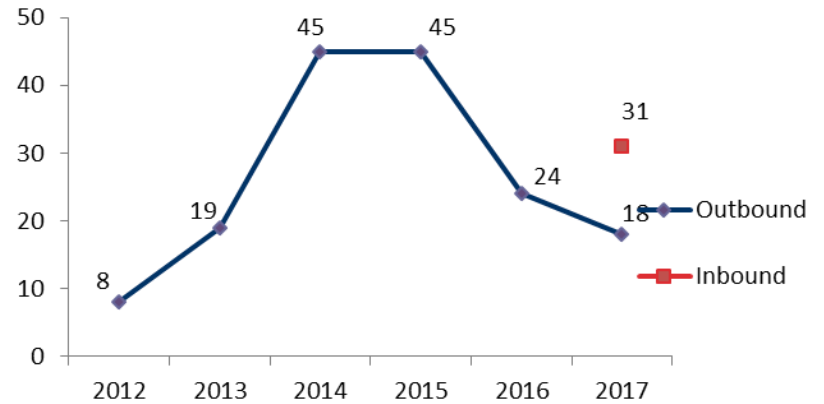
**PGSS UTM KL**

**UTM INTERNATIONAL OFFICE**

**Internationalisation@UTM**



# STUDENTS MOBILITY



**INBOUND**

**31**



**OUTBOUND**

**159**



# OUTBOUND MOBILITY

## Global Outreach Programme (GOP)

- 7 to 14 days academic based programme to experience various cultures in other countries. It includes immersion elements such as research & academic activities, social responsibility, cross cultural activities and international event participation.

## Internship Abroad

To join research study or internship under the supervision of an academic staff at universities or industries abroad.

## Summer School

Students can register any courses offered by host institutions during summer holiday

## Student Abroad/Exchange

Spend one or two semesters at universities abroad take courses in a regular semester with credit transfer.

## International Invitation Program

Students participating in programmes organized by international institutions/ organizations with the following themes:

- i) **Academic Programme:** Seminar, Conference, Paper presentation, student project competition.
- ii) **Cultural:** Cultural Exhibition and Conference, Historical and Cultural Tour
- iii) **Student Development Activity:**
- iv) **Seminar and Courses,**

# UTM Global Rankings 2018



#18



#50

Engineering



#53

Engineering & Technology



#228



#271



#49



#101



#66



QS Ranking	Subjects
<b>Top 100</b>	Built Environment/Architecture Chemical Engineering; Electrical & Electronics Engineering; Mechanical Engineering Civil & Structural Engineering
<b>Top 150</b>	Computer Sciences & Information System Environmental Sciences;
<b>Top 200</b>	Material Sciences; Education Agriculture & Forestry
<b>Top 250</b>	Chemistry Mathematics
<b>Top 350</b>	Physics & Astronomy
<b>Top 450</b>	Biological Sciences

Top 100

14 subjects ranked

# 300 Academic & Research Global Partnerships



**MIT** Massachusetts Institute of Technology

**LEHIGH** UNIVERSITY

**W** WESTERN MICHIGAN UNIVERSITY

**POLITÉCNICA**

**UNIVERSIDAD** BSALAMANCA

**Universidade de Brasilia**

**CONICET**

**Imperial College London**

**UNIVERSITY OF OXFORD**

**UNIVERSITY OF CAMBRIDGE**

**UNIVERSITY OF Southampton**

**UNIVERSITY OF LEEDS**

**UNIVERSITY of York**

**Lancaster University**

**University of Kent**

**UNIVERSITY OF AL-QADISIYAH**

**UNIVERSITY OF AL-QADISIYAH**

**UNIVERSITY OF AL-QADISIYAH**

**UNIVERSITY OF AL-QADISIYAH**

**NANYANG TECHNOLOGICAL UNIVERSITY**

**nw** Fachhochschule Nordwestschweiz

**Metropolia** Helsinki University of Applied Sciences

**VILNIUS GEDIMINAS TECHNICAL UNIVERSITY**

**RWTH AACHEN UNIVERSITY**

**th** TECHNISCHE UNIVERSITÄT ILMENAU

**HOCHSCHULE PFORZHEIM**

**University of Hradec Králové**

**Wroclaw University of Science and Technology**

**COMSATS**

**NUST** Defining futures

**King Mongkut's University of Technology Thonburi**

**Princess of Songkla University**

**MAHASARAKHAM UNIVERSITY**

**UNIVERSITY OF AL-QADISIYAH**

**Ural Federal University** named after the first President of Russia B.N.Yeltsin

**SUNG KYUN KWAN UNIVERSITY**

**SEOUL NATIONAL UNIVERSITY OF SCIENCE & TECHNOLOGY**

**KAIST**

**KAIST**

**清華大學** Tsinghua University

**GUILIN UNIVERSITY of TECHNOLOGY**

**TAIPEI TECH**

**National Taiwan University**

**MAHASARAKHAM UNIVERSITY**

**MAHASARAKHAM UNIVERSITY**

**MAHASARAKHAM UNIVERSITY**

**UNIVERSITY OF AL-QADISIYAH**

**芝浦工業大學** SHIBaura INSTITUTE OF TECHNOLOGY

**東京大学** THE UNIVERSITY OF TOKYO

**KYOTO UNIVERSITY** FOUNDED 1897

**TOHOKU UNIVERSITY**

**TOKYO DENKI UNIVERSITY**

**筑波大学** University of Tsukuba

**TOKAI UNIVERSITY**

**Nagoya Institute of Technology**

**TOYOHASHI UNIVERSITY OF TECHNOLOGY**

**THE UNIVERSITY OF NEWCASTLE AUSTRALIA**

**DEAKIN UNIVERSITY**

**Griffith UNIVERSITY**

**UTS UNIVERSITY OF TECHNOLOGY SYDNEY**

**UNIVERSITY of TASMANIA**

## UTM RAZAK FUN LEARNING TOY LIBRARY



- This program started in 2015 until today.
- The main objective of the program is to improve the infrastructure of school that has been badly affected by major floods or other disaster.
- This program has been conducted at;
  - SK Kuala Geris, Dabong, Kelantan
  - SK Seneng, Bachok, Kelantan
  - Tadika Cilik Al-Fateh, Kulai, Johor
  - SK LKTP Ayer Hitam, Kluang Johor

## UTM RAZAK RURAL TECHNOLOGY



- Launched in September 2015
- Main objective is to provide a sustainable renewable energy at rural area enough for their daily household consumption.
- Several programs have been conducted at several rural area
  - Sg. Kejar, Royal Belum (50 Villages)
  - Pos Lemoi, Cameron Highlands (30 Villages)

## UTM RAZAK PHYSIOTHERAPY CENTRE



- Launched in April 2017
- The main objective is to assist the elderly at the care center (25 occupants) in maintaining a healthy lifestyle by providing exercise equipment and rehabilitation program
- Several programs have been conducted throughout the project
  - Health screening / Malnutritional assessment
  - Health awareness
  - Rehabilitation / Exercise training
  - Gotong-royong / Spring Cleaning

## UTM RAZAK RURAL YOUTH DEVELOPMENT



- Conducted in mid 2017 at 2 rural areas in Selangor and N. Sembilan with more than 40 youths involved.
- The main objective is to provide training in skill enhancement especially in electrical wiring and networking wiring.
- As a result of the training, 2 youths are hired as ICT officer and several of them continued the training with other training centres
- Our training module is used by the ICT center in Jempol to teach their villagers

# LAST but not LEAST

- Have a **Great Learning Experience** in UTM
- **Enjoy Learning Process** — New Skills, New Research Tools, Create, Ideas, Idealistic but realistic
- **Explore all Possibilities** — Publish, Student Society, Present papers, Knowledge sharing,
- **Engage** — all stakeholders
- **Experience** — PG U Life
- **AIM HIGH and WORK HARD** — **Goals and Intentions**
- **Reward** yourself - **success and achievements**
- **Live Life to the Fullest**

**LAST but not LEAST**

**Live as if you were to die**

**TOMORROW**

**Learn as if you were to live**

**FOREVER**

*Mahatma Gandhi / [www.geckoandfly.com](http://www.geckoandfly.com)*

*Good luck and all the  
Best  
See you in your  
convocation.*







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どうもありがとうございました  
Domo arigato gozaimashita  
THANK YOU very much.

*Terima Kasih*

