



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

Razak Faculty of Technology
and Informatics

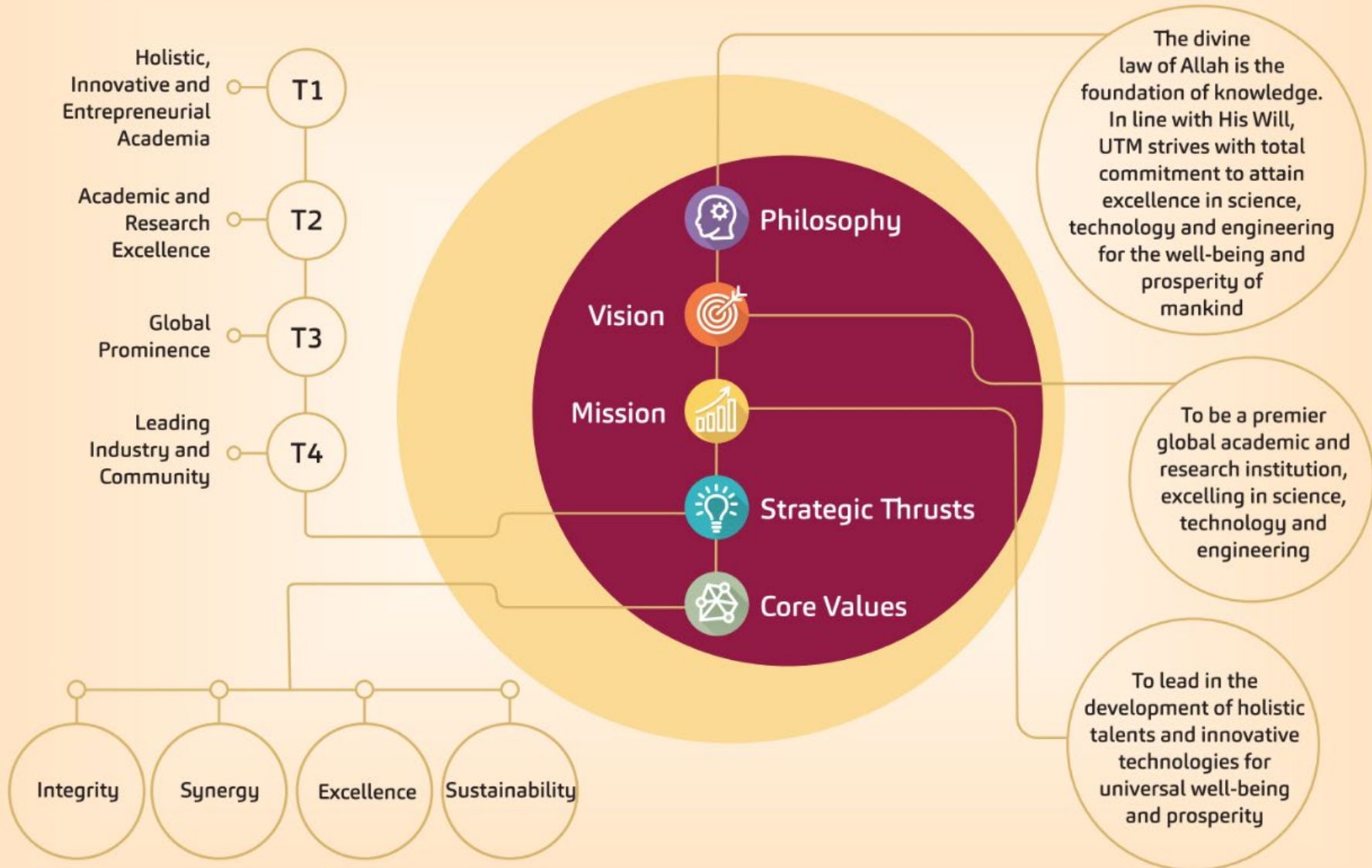


Passion 4 Excellence



Razak Faculty of Technology
and Informatics

#UTMRazak
#passion4excellence



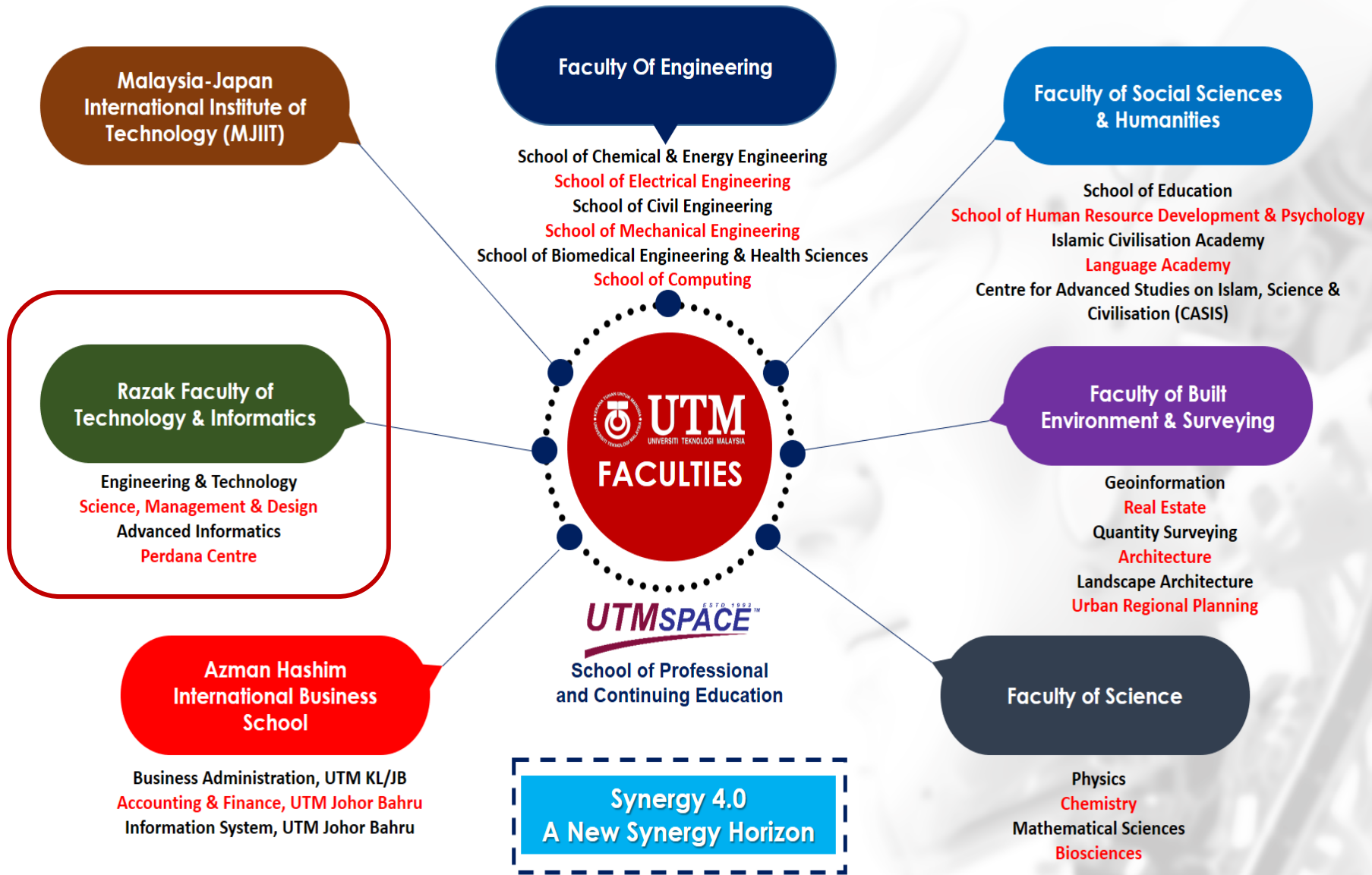


UTM
JOHOR BAHRU CAMPUS
1,148
Hectares



UTM
KUALA LUMPUR CAMPUS
35
Hectares





THE CHANCELLOR

HER MAJESTY
RAJA ZARITH SOFIAH BINTI
ALMARHUM SULTAN IDRIS SHAH



THE VICE-CHANCELLOR

**PERFORM THE FUNCTIONS OF VICE CHANCELLOR
PROFESSOR DATUK TS. DR. AHMAD FAUZI ISMAIL**

B.Eng (Petroleum Engineering)

MSc. (Chemical Engineering)

PhD (Chemical and Process Engineering) (Glasgow)

Professor at Faculty of Chemical and Energy Engineering

Universiti Teknologi Malaysia

81310 UTM Skudai, Johor

Tel: +6 07 553 0000

Fax: +6 07 557 9376

Email: afauzi@utm.my



THE DEPUTY VICE-CHANCELLORS

PROF. IR.TS.DR. ZAINUDDIN ABDUL MANAN

Deputy Vice-Chancellor
(Academic & International)



PROF. DR. MOHD HAMDAN AHMAD

Deputy Vice-Chancellor
(Development)



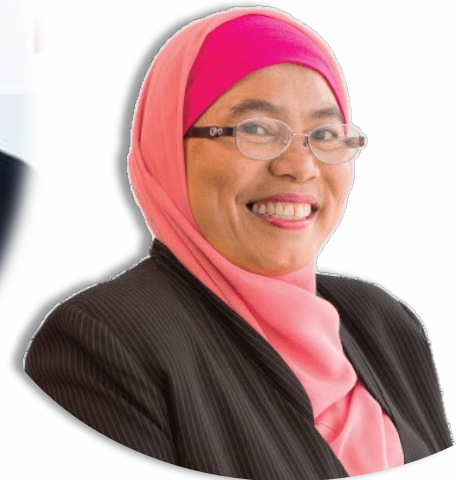
PROF. DATUK TS. DR. AHMAD FAUZI ISMAIL

Deputy Vice-Chancellor
(Research & Innovation)



PROF. DR. DURRISHAH IDRUS

Deputy Vice-Chancellor
(Student Affairs)



What's on Campus?

Facilities

1. Mosque
2. Libraries
3. Multipurpose Halls
4. Computer Labs
5. Gymnasium
6. Cafeterias/Restaurant
7. Indoor/Outdoor Sport Equipment
8. Seminar/Conference Rooms
9. Health Care
10. Currency Exchange

Accommodations

1. Residensi UTMKL
2. Royal Widad Hotel
3. The Regency Scholars Hotel
4. Scholar's Inn



What's on Campus?





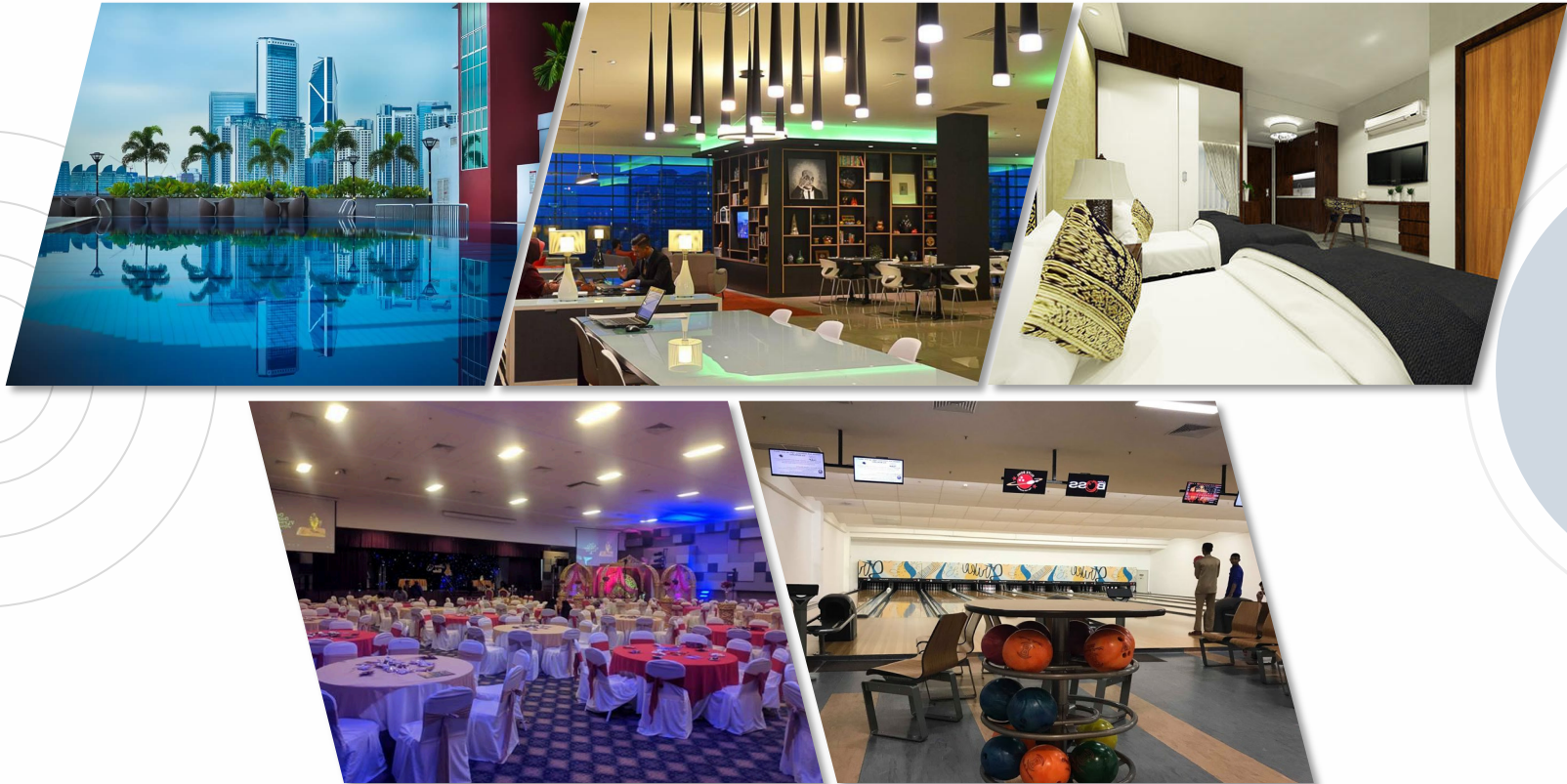








What's on Campus?





BATC Lodge





Rankings



UTM Global Ranking 2020

Ranking	Achievement
QS World University Ranking [Top 50 Under 50]	17
QS World University Rankings [Asia]	46
Best Global Universities U.S News & World Report Rankings [Engineering]	40
QS World University Rankings by faculty	85
University Ranking by Academic Performance	82
The Brics & Emerging Economies Rankings	101
QS World University Rankings	187
Round University Ranking	224



Congratulations

Universiti Teknologi Malaysia

2020 THE World University Rankings by Subject

**Ranked
201 - 250**

**in Social Sciences
[Arts &
Humanities]**

**Ranked
126 - 150**

**in Business &
Economics**

**Ranked
101 - 125**

in Education



Congratulations

Universiti Teknologi Malaysia
Best Global Universities 2021

Top 50 in the World 

 **No.1 in Malaysia**

#21 in **Mechanical Engineering**

Chemical Engineering

#37 in **Chemical Engineering**

Environment/Ecology

#40 in **Civil Engineering**

Mechanical Engineering

#45 in **Engineering**

Well done UTM staff and students!

From UTM Community



www.utm.my





**G L O B A L
P R O M I N E N C E**



**IMPACTFUL
STRATEGIC
GLOBAL
COLLABORATION**



More Than 300 Academic & Research Global Partnerships



Main Industrial Partners



Impactful Strategic Global Collaboration

1

Massachusetts
Institute of
Technology

MIT-UTM Malaysia Sustainable Cities Program (MSCP)

- MSCP research examines Malaysia's city planning and development that reflect a commitment to the principles of sustainability

2

Imperial College
London

- UTM Centre for Low Carbon Transport Research in Cooperation with Imperial College London
- Research Development in Sustainable transportation & energy

3

Japan Science &
Technology (JST)

- Development of methodology for Low Carbon Society scenarios in city and local context
- Other partners: JICA, Kyoto University, Okayama University, National Institute for Environmental Studies

4

University
of Oxford

- UTM Centre for Industrial & Applied Mathematics
- Collaboration in Industrial & Applied Mathematics
- UTM satellite office in University of Oxford



Global Prominence and Branding

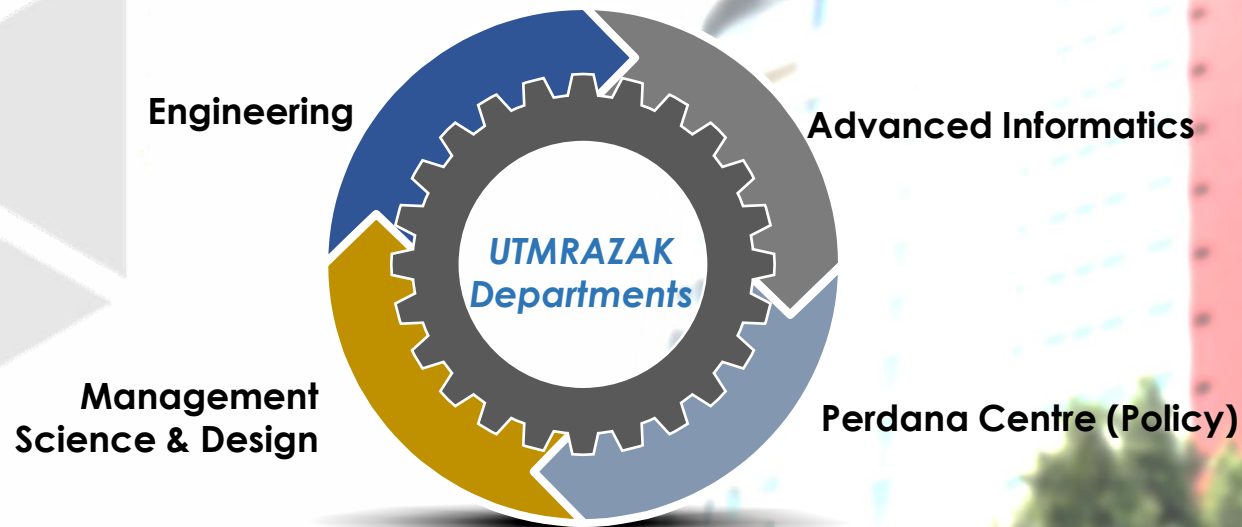
RAZAK FACULTY OF TECHNOLOGY AND INFORMATICS

VISION

To be reputable global provider of inter- and trans-disciplinary industry focused programs and services for human well being.

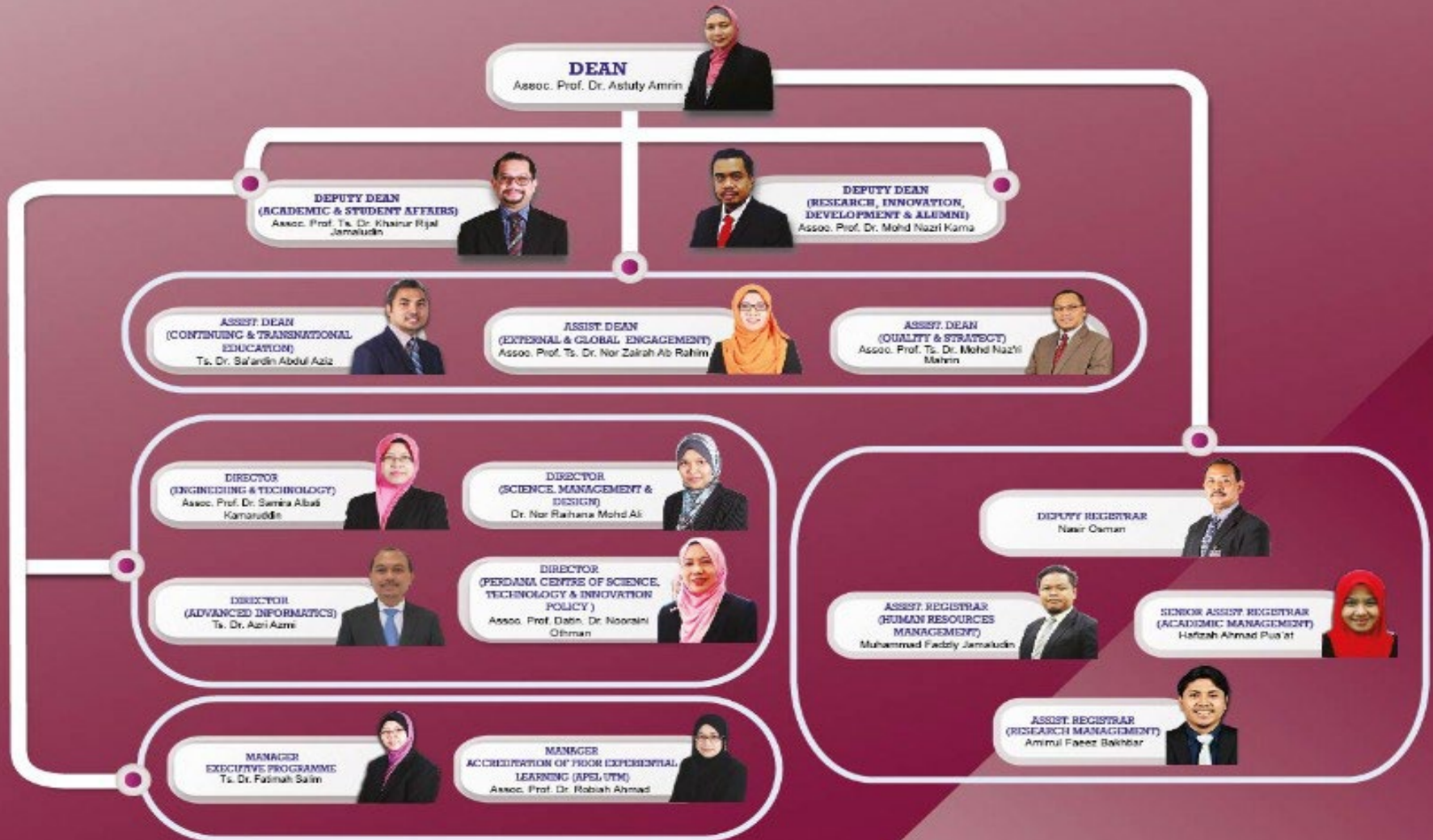
MISSION

To provide sustainable academic programs and services through technology and informatics in producing holistic talents towards organizational and societal transformation.





ORGANIZATIONAL CHART

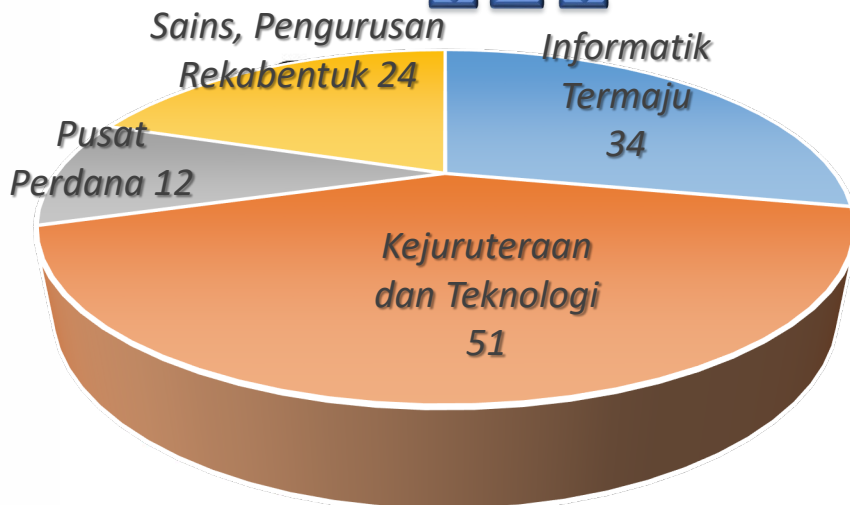


HUMAN RESOURCES



ACADEMIC STAFF

121



Jumlah staf akademik mengikut Jabatan



PhD Holders
92 %



PPP STAFF

38

STRUKTUR AKADEMIK DAN HAL EHWAL PELAJAR



ASSOC. PROF. TS. DR. KHAIRUR RIJAL JAMALUDIN
DEPUTY DEAN (ACADEMIC & STUDENT AFFAIRS)



ENROLMENT



Postgraduate

- Doctorate
 - 487
- Master
 - 552

Undergraduate

- Bachelor Degree
 - 99
- Executive Diploma
 - 767

*as of October 2020

OUR ACADEMIC PROGRAMS

POSTGRADUATE

Research

- **Doctor of Philosophy (Ph.D)**
- Doctor of Philosophy (Policy Studies)
- **Master of Philosophy (M.Phil)**
- Master of Philosophy (Policy Studies)
- Master of Philosophy (Industrial Design)

Mix Mode

- Engineering Doctorate (Engineering Business Management)
- **Doctor of Software Engineering**

OUR ACADEMIC PROGRAMS

POSTGRADUATE

Taught Course

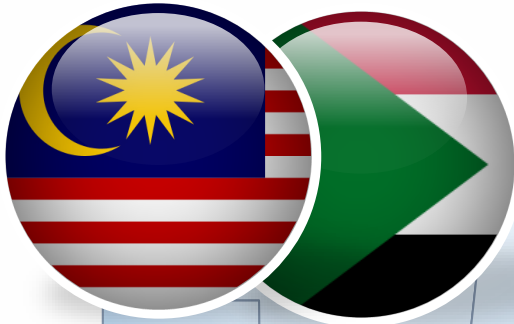
- Exec. Master in Occupational Safety & Health Management
- Master of Science (Engineering Business Management)
- Master of Science (Systems Engineering)
- Master of Science (Sustainable Infrastructure)
- Master of Science (Engineering Design)
- Master of Science (Engineering Education)
- Master of Science (Sustainable Urban Design)
- Master of Professional Science
- Master of Science (Informatics)
- Master of Science (Information Assurance)
- Master of Software Engineering
- Master of Science (Computer System Engineering)
- Master of Science (Business Intelligence and Analytics)
- Master in Science, Technology & Innovation Policy

OUR ACADEMIC PROGRAMS

UNDERGRADUATE

- Bachelor of Science (Industrial Design)
- Exec. Diploma In Engineering Business Management
- Exec. Diploma In Occupational Safety And Health
- Exec. Diploma In Facility Management
- Exec. Diploma In Retail Management
- Exec. Diploma In Manufacturing Technology
- Exec. Diploma In Manufacturing Systems

Transnational Education (TNE) @ Sudan



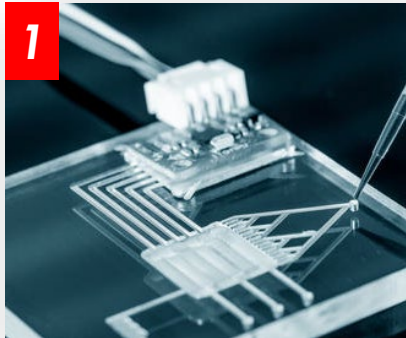
**Safat Academy,
Khartoum**

Program Name	Cohort No.	Current Semester	Number of Student
1. ERSAA1CLD Engineering Doctorate (Engineering Business Management)	1	3/16	11
2. ERSAA1CLD Engineering Doctorate (Engineering Business Management)	2	2/16	12
3. MRSEA1CLD Master of Science (Engineering Business Management)	1	3/8	17
4. MRSEA1CLD Master of Science (Engineering Business Management)	2	1/8	20

INTERNATIONAL DOUBLE MASTERS PROGRAM IN ENGINEERING BUSINESS MANAGEMENT (UTM) AND MASTER IN BUSINESS ADMINISTRATION (MEIJI UNIVERSITY)



5 NICHE AREAS TO SUPPORT NATIONAL PRIORITIES



1
Frontier Material



2
Health & Wellness



3
Resource Sustainability



4
Smart Digital Community



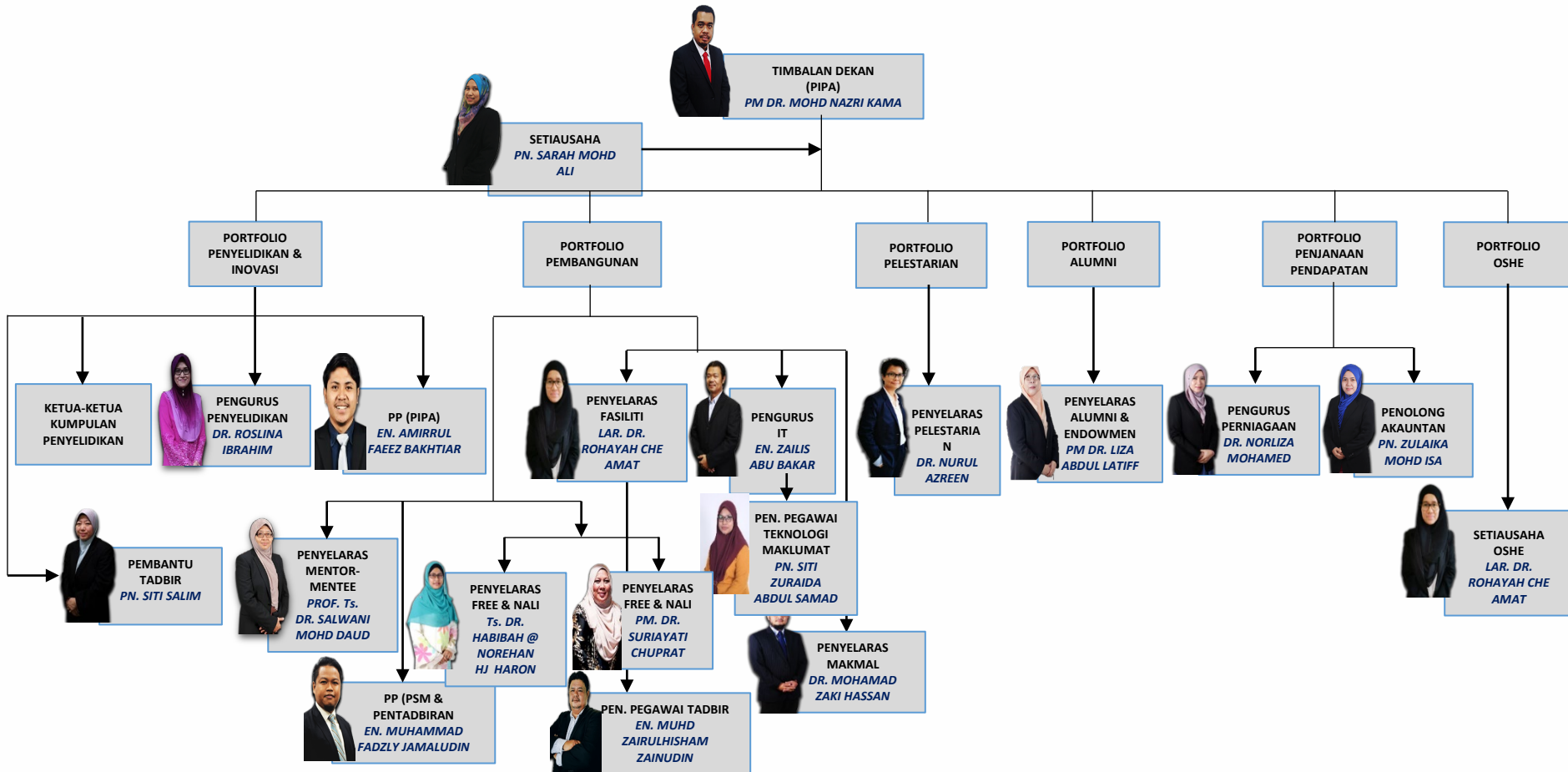
5
Innovative Engineering

UTM RESEARCH ALLIANCES

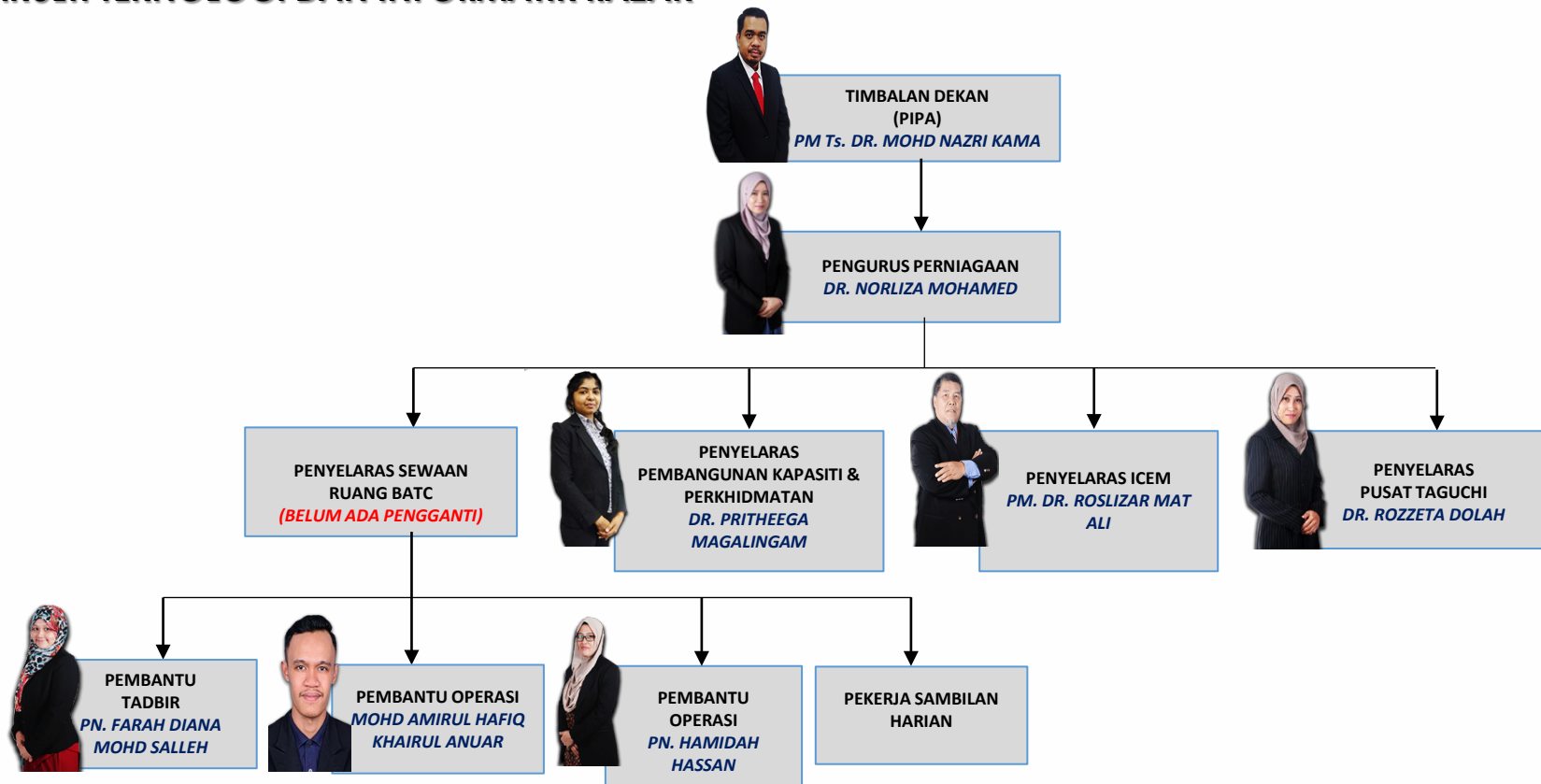


**Developing Expertise & Talent Capabilities Across UTM
Our Research Goals, Excellence, Relevance & Impact**

STRUKTUR GOVERNAN 2020 PEJABAT TIMBALAN DEKAN (PENYELIDIKAN, INOVASI, PEMBANGUNAN DAN ALUMNI)



STRUKTUR PUSAT PERNIAGAAN FAKULTI TEKNOLOGI DAN INFORMATIK RAZAK



RESEARCH GROUPS



Construction Quality & Maintenance (CQM)
Dr Mohamad Syazli bin Fathi
syazli@utm.my
Top Research Areas: *Construction Management*



Cyber Physical System (CPS)
Prof Dr Salwani bte Mohd Daud
salwani.kl@utm.my
Top Research Areas: *Internet of Everything, Big Data Analytics, Artificial Intelligence*



Electrophysiology (EPL)
AP Dr Norliza bte Mohd Noor
norliza@utm.my
Top Research Areas: *Electrophysiology, Health Informatics, Biomedical Engineering*



Green Cities & Construction Research Group (GCCRG)
AP Dr Syuhaida binti Ismail
syuhaida.kl@utm.my
Top Research Areas: *Urban Planning, Construction Management*



Human Capital and Knowledge Management (HUCKM)
Dr Wan Normeza binti Wan Zakaria
normeza.kl@utm.my
Top Research Areas: *Human Capital Development, Digital Society*



Industrial Professional Practice Group (IP2G)
Dr Habibah@Norehan Hj Haron
habibahharon.kl@utm.my
Top Research Areas: *Engineering Education, Human Capital Development*



Multimedia Content Protection Technology (MProtec)
Dr Ganthan A/L Narayana Samy
ganthan.kl@utm.my
Top Research Areas: *ICT Security, Internet of Things, Knowledge Management*



Operations & Business Intelligence (OBI)
Dr Roslina binti Ibrahim
iroslina.kl@utm.my
Top Research Areas: *Data Analytics, Augmented & Virtual Reality, Digital Transformation*



Policy Studies
AP Dr. Nor Ashikin Bt Mohamed Yusof
ashikin.kl@utm.my
Top Research Areas: *Policy, Psychology, Politics*



Royal Belum-Temengor Research Group (RBTRG)
Dr Khairul Hisyam bin Kamarudin
khisyam.kl@utm.my
Top Research Areas: *Disaster Management, Turbomachinery, Renewable Technology*



Software for Trusted IoT Environment (SoftTrust)
Dr Othman bin Mohd Yusop
othmanyusop@utm.my
Top Research Areas: *Software Development, Data Analytics, Cloud Computing*



Ubiquitous Broadband Access Network (U-BAN)
AP Dr Liza bte Abdul Latiff
liza.kl@utm.my
Top Research Areas: *Networks & Sensors, Internet of Things, Communication Technology*



Vehicle Safety Research Group (VES)
Dr Mohamed Azlan Suhot
azlans.kl@utm.my
Top Research Areas: *Material Science, Safety, Renewable Technology*

RESEARCH EXPERTS – ENGINEERING



Zainai Bin Mohamed
(Emeritus Dato' Prof.Ir.Dr.)
zainai.kl@utm.my

- Higher education leadership & management, Strategic management, Entrepreneurship education, Project management, Civil engineering & practices



Shreeshivadasan A/L Chelliapan
(Prof. Dr) shreeshivadasan.kl@utm.my

- Environmental Engineering, Water Pollution Control, Environmental Impact Assessment, Chemical Treatment, Water Supply



Shamsul Bin Sarip (Assoc. Professor. Ir. Dr.)
shamsuls.kl@utm.my

- Braking Performance, FE Simulation, Flow Simulation, Industrial Design, Industrial Engineering



Astuty Binti Amrin (Assoc. Prof.)
astuty@utm.my

- Materials Science and Engineering (Metallurgy, Materials Characterisation, NDT, Failure Analysis), Corrosion (Corrosion at Ambience Temperature, Corrosion Control, Corrosion Management), High Temperature Oxidation



Khairur Rijal Bin Jamaludin
(Assoc. Prof. Dr)

khairur.kl@utm.my

- Powder Metallurgy and Particulate Materials, Robust Engineering & Robust Product Design, Quality Engineering & Management, Toyota Production System



Mohd Khairi Bin Abu Husain
(Assoc. Professor. Dr.)

mohdkhairi.kl@utm.my

- Ocean Engineering, Offshore Structure Modelling, Hydrodynamic Wave Loading Simulation, Wave Mechanics, Extreme Value Analysis, Reliability and Risk Assessment

RESEARCH EXPERTS – ADVANCED INFORMATICS



Shamsul Sahibuddin (Prof. Dr.)

shamsul@utm.my

- Software and System Engineering, Software Quality, Software Process Improvement, Secure Software Development, Requirement Engineering, Information Technology Service Management



Salwani Mohd Daud (Prof. Ts. Dr.)

salwani.kl@utm.my

- Machine Learning, Cryptography, Blockchain, Internet of Things



Mohd Nazri Kama (Assoc. Prof. Ts. Dr.)

mdnazri@utm.my

- Software Engineering, Software Development, Requirement Engineering, Impact Analysis, Traceability, Software Analysis, Software Design, Database Security



Nor Zairah Ab. Rahim (Assoc. Prof. Ts. Dr.)

nzairah@utm.my

- Social Informatics, Technology Adoption, Implementation and Use, Technology Appropriation, Social Media Impact, Qualitative Research



Mohd Shahidan Abdullah (Assoc. Prof. Dr.)

mshahidan@utm.my

- Data Hiding and Multimedia Security



Mohd Naz'ri Mahrin (Assoc. Prof. Ts. Dr.)

mdnazrim@utm.my

- Software Engineering Process, Information Security Management System, Software Verification and Validation, Software Measurement, Big Data Analytics

RESEARCH EXPERTS – SCIENCE, MANAGEMENT AND DESIGN



Halimaton Hj. Hamdan
(Prof. Datuk Dr.)

halimatonhamdan@utm.my

- Chemistry and Nanotechnology, nanostructured materials science and technology, renewable energy and STEM education



Abdul Muta'ali Othman
(Assoc. Prof.)

mutaali@utm.my

- Industrial Design, Design Thinking, Design Management



Maslin Masrom (Assoc. Prof. Dr)

maslin.kl@utm.my

- Operations Research, Operations Management, Management Information System, IT/IS Management, Information Security, Ethics in Computing, Knowledge Management.



Nik Hasnaa Nik Mahmood
(Assoc. Prof. Dr)

nikhasnaa.kl@utm.my

- Human Resource Development, Human Resource Management, Training and Development, Workplace Learning, Organizational Development and Change



Ruzana Ishak (Dr.)

ruzana.kl@utm.my

- Applied Mathematics(Engineering And Industrial), Graph Theory Application Model In Wireless Sensor Networks, Decision Science, Queuing Theory, Transportation And Assignment Problem Algorithm Design.



Khairul Hisyam Kamarudin (Dr.)

khisyam.kl@utm.my

- Regional & Rural Planning; Sustainable Tourism

RESEARCH EXPERTS – POLICY STUDIES



Mazlan Bin Ali (Dr.)

mazlanali.kl@utm.my

- Democratic Politics (Election), Public Policy, Public Administration



A Bakar Jaafar (Prof. Dato' Ir. Dr.)

bakar.jaafar@utm.my

- Sustainability, Energy & Renewable Energy Policy, Ocean Thermal Energy Conversion, Nanofluids, & Salinity Gradient



Zamri Mohamed (Prof.)

zamrimohamed@utm.my

- Information, Computer and Communication Technology (ICT) Policy



**Aini Suzana Ariffin
(Assoc. Prof. Dr.)**

ainisuzana@utm.my

- STI Policy Formulation & Management Strategic Innovation & Technology Management, Technology Transfer & Commercialisation Entrepreneurship Policy



**Nooraini Othman
(Assoc. Prof. Datin Dr.)**

p-noraini@utm.my

- Education, Educational Psychology, Psychology, Islamic Psychology, Counselling Psychology, Policy Research Method, Policy Analysis & Evaluation



**Nor Ashikin Bt Mohamed Yusof
(Assoc. Prof. Dr.)**

ashikin.kl@utm.my

- Intellectual Property, Biotechnology law and policy, STI Policy, Public policy and governance, Commercial laws

RESEARCH MULTIDISCIPLINARY PROJECT





Motivational programs with students from Sekolah Bimbingan Jalanan Kasih, Chow Kit



STEM Aktivtyt at SMK Dato Undang Syed Ali Al Jefri, Jelebu



Program di PPRT desa Rajang. Razak Faculty Fun Learning Toy Library Team



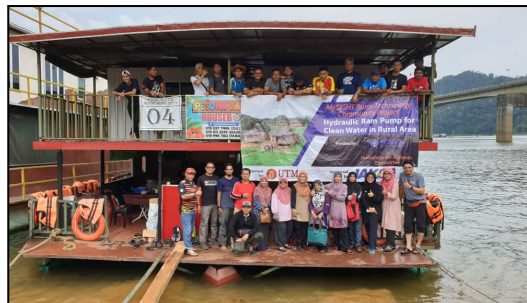
Community Project: Hydraulic Ram Pump for Clean Water in Kampung Sungai Tiang, Royal Belum, Perak



Sharing Session: ICT dan Cyber Security di SMK Puteri Titiwangsa



Program Training of Teachers (ToT), "Maths in Daily Life" with Maths Teachers PPW Sentul, JPWPKL.



Hydraulic Ram Pump for Clean Water in Rural Area Organized by : IEEE MySIGHT Rural Technology



UTMRazak Stem4All Makerspace

ENGAGEMENT SESSION

Dean FTIR with Research Students

12 JUNE 2020 (FRIDAY) 10.00 AM

<https://utm.webex.com/utm/0.nbo?>

Securing International Research Collaboration Grant in Saudi Arabia

Matching Expectations with Reality

25 June 2020 | 10 am

<https://utm.webex.com/meet/ftir3.webex>

Organized by Research and Innovation Office RFTI

UTMRazak Virtual Preview

NEW NORM - ALUMNI SPEAK

DATE: 11 JUNE 2020
TIME: 2PM

<https://utm.webex.com/meet/ftir3.webex>
<https://www.facebook.com/UTMRazak/>

Panel 1: Datuk Dell Akbar Khan, Executive Vice President, Malaysian Resources Corporation Berhad (MRCB)

Panel 2: Dr. Selira Salleh, Head of Smart Services Group, TM ONE

Panel 3: Mr. Sadeesh Manikam, Head of Data

Panel 4: Dr. Fazni Mei Arifin, Director

Panel 5: Ms. Suhaila Ab, Senior Analyst

Moderator: T. Dr. Sathiyabama, T.Thirugana

SHARING SESSION "FUNDAMENTAL OF STUDENT LEARNING TIME (SLT) - A REVISIT"

#stayhome #wfh

<https://meetingsapac2.webex.com/meet/nurulainmoq>

Meeting No : 573 137 276

Oleh: EMERITUS PROF. DATO' IR. TS. DR. ZAINAL BIN MOHAMED

8 APRIL 2020 8:30 AM - 11:30 AM

TAKLIMAT PELAKSANAAN PENGAJARAN & PEMBELAJARAN

Sepanjang Perintah Kawalan Pergerakan (PKP)

6 APRIL 2020 10.00 AM

<https://utm.webex.com/utm/j.php?MTI=D-m73e511b890933d0bc2104e416a5f5fe1>

#stayhome #wfh

ONLINE LEARNING WITH DEPUTY DEAN (ACADEMIC)

ONLINE ASSESSMENT USING UTM ELEARNING for beginners

8 April 4:00-5:00 PM

SUMMATIVE ASSESSMENT BY POST MODULE ASSIGNMENT (PMA)

9 April 4:00-5:00 PM

ONLINE TEACHING & LEARNING TRAINING @UTMRZAK

WED 15 APRIL 2020 | 9.30 AM

Ts. Dr.Norziha Megat Mohd. Zainuddin

On-line Teaching & Learning Sharing Experience-As A First Timer

THURS 16 APRIL 2020 | 10.00

Dr. Mohd Syahid Mohd Anuar

Advance e-learning

FRI 17 APRIL 2020 | 10.00 A

Ts. AP Dr. Siti

PROGRAM KLINIK GUAMAN

CERAMAH "INFODEMİK VS PANDEMIK: YANG MANA LAGI BAHAYA?"

TARIKH : 28 JUN 2020 (AHAD)
MASA : 2.00-3.00 PETANG
(PROGRAM AKAN BERSIARAN DI FB PAGE JPM JOHOR)

Prof. Madya Ts. Dr. Nor Zairah Ab. Rahim, Pengerusi Dekan

Go! DIGITAL

A close encounter with Dato' Norman Abdul Halim, CEO KRU Group of Companies & Prof. Dr. Shamsul Sabihuddin, Pro-Vice-Chancellor UTM Kuala Lumpur.

How to benefit the most from this synergy, Where are we in this new normal journey, and How to adapt to the new business landscape during & post COVID-19? Go! Digital is the solution.

19 MAY 2020 | TUESDAY 9.30 AM - 1.30 PM

Moderator: TS. DR. ROZZETA DELAH CENG

FREE FOR FTIR EDUCATORS

OLEH: PROFESOR DR. FATIN ALIAH PHANG BINTI ABDULLAH

SINOPSIS RINGKAS

Program Future Ready Educator (FREE) telah diimplimentasi sejak Mac 2019 bagi meningkatkan kualiti pengajaran sesuai dengan perubahan zaman, permintaan global dan mindset milenia. Program FREE for FTIR educators ini akan memberi ahli-ahli akademik FTIR maklumat berkaitan tujuan dan pelaksanaan FREE.

<https://utm.webex.com/meet/ftir3.webex>

30 Jun 2020 11 Pagi

OL T&L FORUM: EXPECTATION & EXPERIENCE

DATE 29 APRIL 2020
TIME 10.00AM-12.00PM

MODERATOR Dr. Syahid Anuar

ENGINEERING AP Dr. Khairuz Rijal Jamaludin

SCIENCE, MANAGEMENT AND DESIGN AP Dr. Maslin Masrom

ADVANCED INFORMATICS AP Ts. Dr. Nor Zairah Ab. Rahim

PERDANA CENTRE AP Dr. Nor Ashikin Mohamed Yusuf

THE NEW NORMAL: STUDENTS' PERSPECTIVE

14 MAY 2020 10.00AM-12.00PM

<https://utm.webex.com/meet/ftir3.webex>

LEAH PANG LING LI, Bachelor of Science in Industrial Design (SRSI)

AHMAD SHA'RRAINON BIN MD SHAARANI, Master in Engineering Business Management (MEBM)

FAJAR IBNU FATIHAN, Master in Science Business Intelligence and Analytics MSc (BIA)

D. SARAVANAND, Perdana Centre PhD (Policy Studies)

BONIFACE BASIN NYIROP, Master in Science, Technology & Innovation Policy (MSTIP)



Thank
you

