



Faculty of Built Environment and Surveying

STRATEGIC PLANNING

2021 - 2025

Envision





All rights reserved. No part of any articles, illustrations and content in this publication may be produced in any form or by any means, electronic, photocopying, mechanical or otherwise, without prior written consent from the Dean of Faculty of Built Environment and Surveying, Universiti Teknologi Malaysia, 81310 UTM Johor Bahru, Malaysia. Negotiation is subject to royalty or estimated honorarium.

Malaysia National Library Cataloguing – in – Publication Data

Faculty of Built Environment and Surveying Strategic Planning 2019-2023

Editors: XXXXXXXXXXXXXXXXXXXXXXXX

ISBN

1. Universiti Teknologi Malaysia 2. Strategic Planning 3. Key Focus Area

Editors

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Coordinated and typeset by

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Photograph by

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Published in Malaysia by

XXXXXXXXXXXXXXXXXXXXXXXXXXXX

Our Playbook

Strategic Planning

"To be the faculty of choice for education and professional development in built environment."

Dean

Prof. Sr. Dr. Hishamuddin Mohd Ali

"To be the faculty of choice for education and professional development in built environment."



Asst. Dean (Q&S)

Prof. Dr. Kasturi A/P Kinniah

"To be the faculty of choice for education and professional development in built environment."

Table of content

List of Photos

List of Tables

List of Figures

Appreciation

1.0 Faculty Profiles

- 1.1 History of faculty
- 1.2 Undergraduate Programmes
- 1.3 Postgraduate Programmes
- 1.4 Professional Bodies
- 1.5 Centres of Excellence
- 1.6 Research Groups
- 1.7 FABU Vision and Mission
- 1.8 FABU Theme and Tagline
- 1.9 FABU Organisation Chart
- 1.10 FABU Talent Statistic
- 1.11 FABU Student Statistic

2.0 Our Strategic Planning

- 2.1 Definition of 'Strategic Planning'
- 2.2 Purpose of Strategic Planning preparation
- 2.3 Strategic Planning Workshop
- 2.4 FABU DNAs
- 2.5 FABU Strategy Map 2020

3.0 Our Key Amal Indicator

- KAI 1 To achieve high quality graduates
- KAI 2 Percentage of staff completing minimum 1 upskilling programme
- KAI 3 Numbers of relevant experts in T&L and research through talent search
- KAI 4 Percentage of staff achieve 80% and above Index of ISES
- KAI 5 Percentage of policies, procedures and guidelines on teaching and learning, research, management
- KAI 6 Number of commercialized IPs
- KAI 7 Number of new academic product and services to support institutional growth
- KAI 8 No. of academic staff involve in AIM4STAR project in educational and research
- KAI 9 Number of Government-Academia-Industry-Community consortium (AIMS4STAR)
- KAI 10 Number of UTM spin-off and/or start up companies located in UTM Technovation park
- KAI 11 Amount of funding supporting teaching & learning and research activities related to GUCI consortium (AIM4STAR)
- KAI 12 Percentage/amount of budget allocated to create sustainable and smart campus
- KAI 13 Progress of Iconic building or smart building completion
- KAI 14 Numbers of data driven report on teaching & learning, research and other matters related to University operation
- KAI 15 To achieve global eminence as a distinguished Malaysia research university in-line with national and global agenda

1.0 Faculty Profiles

1972

Started as 2 different entities known as Faculty of Surveying and Faculty of Architecture (1974). Both was two of the three faculties in the Institut Teknologi Kebangsaan at Jalan Gurney, Kuala Lumpur Campus. The Faculty of Surveying had only two departments; Dept. of Land Surveying and Dept. of Real Estate Management and Valuation. The Faculty of Architecture had Dept. of Architecture only.

1974

Faculty of Architecture was renamed as the Faculty of Built Environment to reflect all programmes offered in the faculty; Architecture; Urban and Regional Planning and Quantity Surveying

1979

The Faculty of Surveying was restructured by introducing four new departments namely Dept. of Real Estate and Valuation, Dept. of Astronomy and Geodesy, Dept. of Cadastral Surveying Engineering, and Dept. of Cartographic Photogrammetry.

2017

Fac. Engineering & Geoinformation Science and Fac. of Built Environment merged and now is known as Fac. of Built Environment and Surveying

1985

Both faculties moved to Skudai, the main campus of UTM in Johor. The Faculty of Built Environment then had four departments namely Architecture; Urban and Regional Planning, Quantity Surveying and Landscape Architecture until June 2018.

2010

Fac. Engineering & Geoinformation Science changed again to Fac. Geoinformation and Real Estate and had two departments namely Real Estate and Geoinformation

1997

Faculty of Surveying changed to Fac. Engineering & Geoinformation Science. It had four departments: departments of Geomatics Engineering, Property Management, Remote Sensing, Geoinformatics and Land Administration

1994

While Faculty of Surveying was renamed as the Fac. Surveying and Real Estate with the mission of becoming a centre of excellence for Surveying and Real Estate studies.

6 Fields

ARCHITECTURE
LANDSCAPE ARCHITECTURE
QUANTITY SURVEYING
URBAN AND REGIONAL PLANNING
GEOINFORMATION
REAL ESTATE

9 Undergraduate Programmes



BACHELOR OF SCIENCE IN ARCHITECTURE



BACHELOR OF URBAN AND REGIONAL PLANNING



BACHELOR OF SCIENCE (LAND ADMINISTRATION & DEVELOPMENT)



BACHELOR OF SCIENCE IN CONSTRUCTION



BACHELOR OF QUANTITY SURVEYING



BACHELOR OF ENGINEERING (GEOMATICS)



BACHELOR OF LANDSCAPE ARCHITECTURE



BACHELOR OF SCIENCE (GEOINFORMATICS)



BACHELOR OF SCIENCE (PROSPERITY MANAGEMENT)

Master Programs

1. Master of Architecture
2. Master of Assets and Facilities Management
3. Master of Science Construction Contract Management
4. Master of Science Tourism Planning
5. Master of Science Urban and Regional Planning
6. Master of Science Transportation Planning
7. Master of Science Geomatics Engineering
8. Master of Science Geoinformatics
9. Master of Science Remote Sensing
10. Master of Science Real Estate
11. Master of Science Land Administration and Development
12. Master of Philosophy Architecture
13. Master of Philosophy Quantity Surveying
14. Master of Philosophy Urban and Regional Planning
15. Master of Philosophy Transportation Planning
16. Master of Philosophy Architecture Landscape
17. Master of Philosophy Real Estate
18. Master of Philosophy Geoinformatics
19. Master of Philosophy Remote Sensing
20. Master of Philosophy Geomatics Engineering
21. Master of Philosophy Hydrography
22. Master of Philosophy Facilities Management
23. Master of Philosophy Land Administration and Development

Doctor of Philosophy Programs

1. Doctor of Philosophy Architecture
2. Doctor of Philosophy Quantity Surveying
3. Doctor of Philosophy Urban and Regional Planning
4. Doctor of Philosophy Transportation Planning
5. Doctor of Philosophy Architecture Landscape
6. Doctor of Philosophy Geomatics Engineering
7. Doctor of Philosophy Geoinformatics
8. Doctor of Philosophy Remote Sensing
9. Doctor of Philosophy Real Estate
10. Doctor of Philosophy Land Administration and Development
11. Doctor of Philosophy Hydrography
12. Doctor of Philosophy Facilities Management

23

Master
Programs

12

Doctor of
Philosophy
Programs

International Certification Professional Bodies



Multi-Professional Bodies and Associations





INSTeG
GEOSCIENCE AND DIGITAL EARTH CENTRE



List of Research Groups

1. Geospatial Imaging and Information (G12RG)
2. Geomatics Innovation (GnG)
3. Construction Economics Management Research Group (CEM)
4. Mass Appraisal, Housing and Planning
5. Malaysia Architectural Theory, Culture & Heritage (MATCH)
6. Low Carbon Asia (LCA)
7. Tourism Planning Research Group (TPRG)
8. Building Information Modelling (BIM)
9. Green Environmental, Energy & Building Science Research Group (GEEBS)
10. Design Processes, Practise and Management Group
11. Heritage Landscape Planning, Design and Management
12. Geospatial Information Infrastructure (GEO12)
13. Land Administration and Development Studies (LANDS)
14. Tropical Resources Mapping (Tropical Map)
15. Real Asset (RA)
16. Greenovation
17. Facilities Management (FM)
18. Construction Research and Policy Analysis
19. Logistics and Transportation
20. Geospatial Research in Spatial Planning (GriSP)
21. Research Group of Urban Design and Environmental (UDE)

Vision

To be the faculty of choice for education and professional development in built environment

Mission

We strive to develop professionals who are responsible towards shaping sustainable built environment through synergistic partnership with industries, professional bodies and alumni

Theme

Professional Built Environment Education
for Sustainable Development

Tagline

FABU/ous



162

Academic Staff

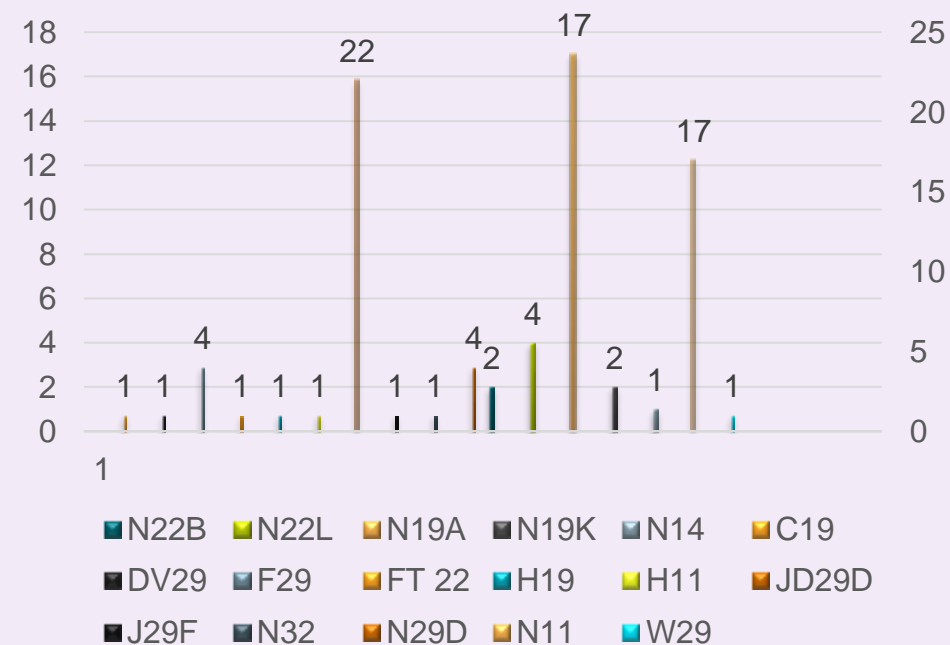
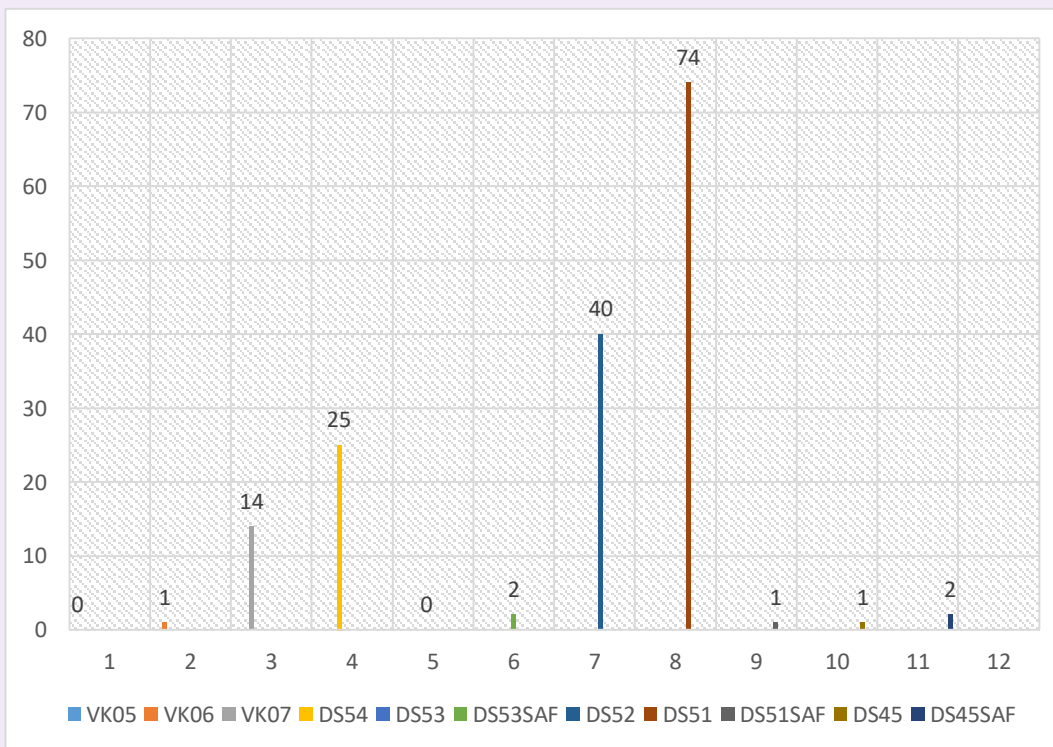
TOTAL FABU STAFF

257



95

Non-Academic Staff



*Update : 27.5.2021

UNDERGRADUATE

1701**Local****75****International****1776****Total****Update : 27.5.2021*

POSTGRADUATE

Type of Study		Total	No. of Student	
			Local	International
Master	Taught Course	258	231	27
	Research	133	126	7
PhD	Research	388	266	122
Total		779	623	156

**Update : 25.5.2021*

2.0

Our Strategic Planning



13-15th

December 2018
Amverton Heritage
Resort, Melaka



5th

February 2020
Ramada Meridin Hotel,
Johor Bahru

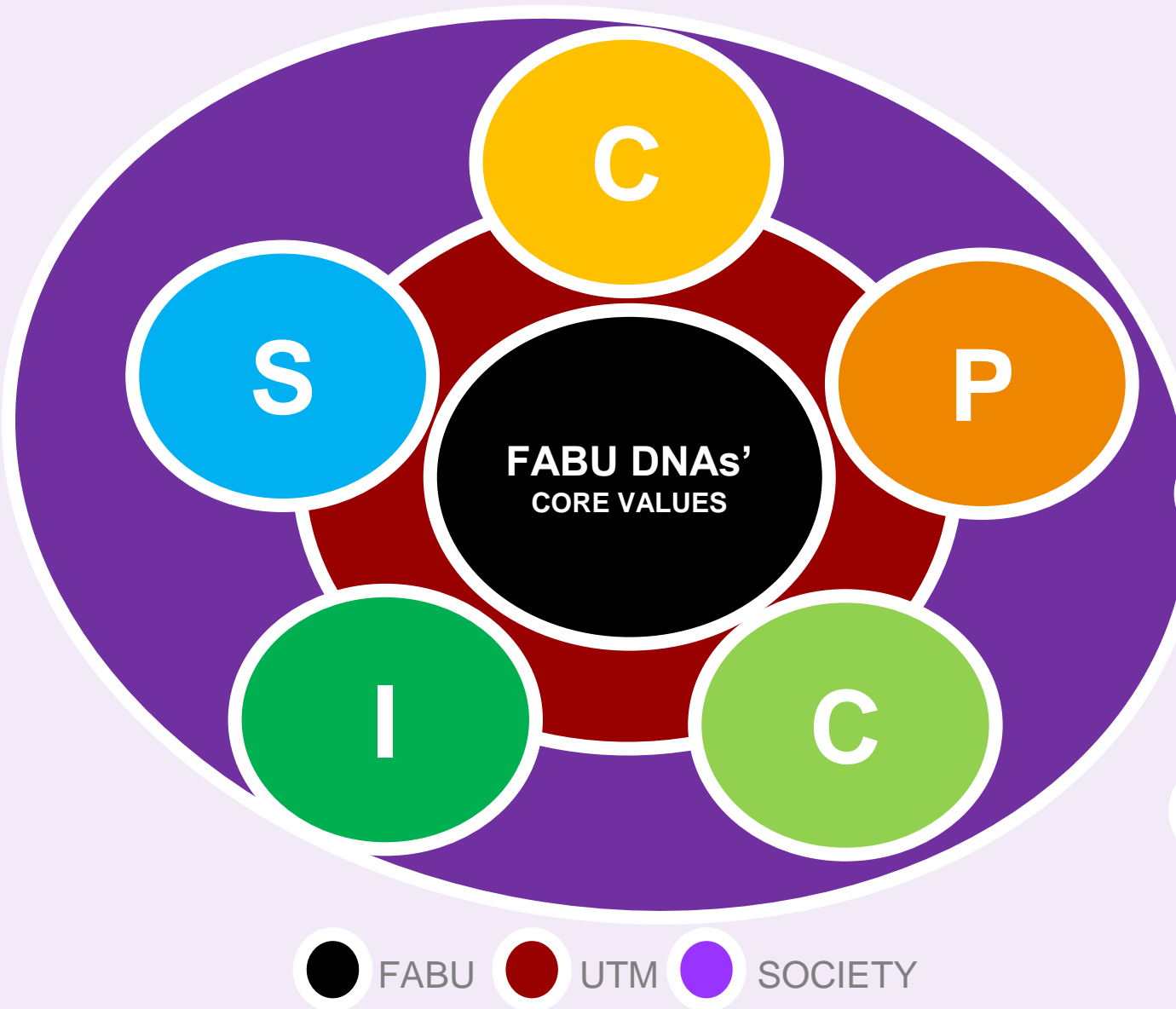


Figure: Concept of FABU DNAs' or Core Values

C REACTIVE

FABU staff should look at things differently, and find new and original ways of solving problems with the aim of exploring new and topical research field of studies, forming contemporary teaching paradigms and revising contents to be relevant

P ROGRESSIVE

A virtue to strive for a gradual development in all aspects of teaching and learning, research, professional practices, community services and administration.

C OLLABORATIVE

A virtue to strive for a gradual development in all aspects of teaching and learning, research, professional practices, community services and administration.

I NCLUSIVE

Every member of staff and students in FABU are held in high regard and the two way, direct and open communication of their ideas are important components of the faculty's success. Everyone is given equal opportunity for personal growth. We facilitate the inclusion of industry, professional bodies and alumni for the development of education and professionals in built environment

S ENSITIVE

The FABU community is profoundly in touch with our surroundings and anything that happens within and around us. We have a high sense of awareness to trivial changes or notable advancements that transpires in the field of built environment. We are in tune with the needs and expectations of our stake holders (students, parents, professional bodies, industries etc.)

We strive to develop professionals who are responsible towards shaping sustainable built environment through synergistic partnership with industries, professional bodies and alumni.



3.0

Our Key Amal Indicator

SHORT FORM

- FABU – Fakulti Alam Bina dan Ukur
- KAI – Key Amal Indicator
- UG – Undergraduate
- PG – Postgraduate
- PhD – Post-Doctoral
- TDA – Timbalan Dekan (Akademik)
- TDPIPA – Timbalan Dekan (Penyelidikan, Inovasi dan Pembangunan Alumni)
- ADQS – Assistant Dean (Quality and Strategy)
- ADEGE – Assistant Dean (External and Global Engagement)
- TP – Timbalan Pendaftar
- PPK – Penolong Pendaftar Kanan
- PP(UG) – Penolong Pendaftar (Undergraduate)
- JK – Jawatankuasa
- PSM – Pengurusan Sumber Manusia
- CEO – Chief Executive Officer
- HEP – Hal Ehwal Pelajar
- PTJ – Pusat Tanggungjawab
- BIM – Building Information Modelling Centre
- GIS – Geographic Information System
- QS – Quantity Surveying
- PENJANA – Pelan Jana Semula Ekonomi Negara
- ULDP-AXIATA – University Leadership Development Programme
- ISES – Integrity, Synergy, Excellence. Sustainability
- AIM4STAR – Academia Industry Government Society For Synergetic Transformation
- QMS – Quality Management System
- MOOC – Massive Online Open Courseware
- IA – Industrial Ambassador
- IP – Intellectual Property
- SME – Small Medium Enterprise
- YTL – Malaysian Infrastructure Conglomerate
- MRCB – Malaysian Resources Corporation Berhad
- IMRC – Indonesia Malaysia Research Consortium
- FM – Facility Management
- IT – Information Technology
- MOU/MOA – Memorandum of Understanding/Agreement
- APSA – Asian Planning School Association
- ALAM – Angkatan Landskap Arkitek Malaysia
- ISCU – International Surveying Conference for Undergraduates
- MyRA – Malaysian Research Assessment Instrument
- SETARA – Rating System for Malaysian Higher Education Institution

S1 – PRODUCE HOLISTIC TALENT BY DEVELOPING HIGH QUALITY GRADUATES

KAI LEADER (PM Sr Dr. Razali bin Adul Hamid)

KAI 1 – To achieve high quality graduates with premium employment (30% target in 2021 and 70% target in 2025) (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	High quality graduates programs: Graduate employability programmes	Number of programme	1	TDA, Director, PPK and Coordinator	RM10,000.00 for 9 UG Programmes
2	Digital Skill Programmes	Number of programme	2 (GIS,BIM)	Dr. Hazrina, PM Dr Kherun Nita	NIL
3	Communication skill programmes	Number of programme	9 (UG Programme)	TDA, Directors	NIL
4	Flexible elective courses - <i>transdisciplinary</i>	Number of courses	2 (PG Programme)	Dr. Norhazliza, Dr. Siti Hajar	NIL
5	Final Year Project and industrial training with top industries	Number of programme	9 (UG Programme)	Programme Coordinator/Directors	NIL

KAI LEADER (PM Sr Dr. Razali bin Adul Hamid)

KAI 1 – To achieve high quality graduates with premium employment (30% target in 2021 and 70% target in 2025) (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)

	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
6	Academic programmes Integrated with real life work experience (work-based learning)	Number of programme	4 Programme (Town Planning, Architecture, Landscape, Geomatics)	Programme Coordinator	NIL
7	Numbers of industry-customized academic programmes	Number of programme	1 Programme	Industrial Training Coordinator (Dr. Mustafa Omar)	NIL
8	Number of international Credit-Bearing outbound students (eg: summer school, industrial training, experiential learning, service learning, etc)	Number of programme	100 people		NIL
9	Program with PENJANA, ULDP-AXIATA, Country Garden, Dana GE, Career Carnival	Number of programme	1 (PENJANA)	Dr. Shazmin	NIL
10	1) Monitoring the effectiveness of graduates employment implementation a) Student Satisfaction Index (STI) for service experience b) UTMSAT (UTM Student Activity Transcript) *for extra-curricular experience	-	-	Dr. Wan Anon Wan Aris Dr. Syamsul Hendra	NIL
11	Collaboration with top industry in HEP-faculty program for premium employment	Number of programme	1	Dr. Najib Razali	NIL

KAI LEADER (PM Sr Dr. Razali bin Adul Hamid)

<p>KAI 7- Number of new academic product and services to support institutional growth (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)</p>					
	<p>Initiatives (Programs/projects that help UTM to achieve the target)</p>	<p>initiative Indicators</p>	<p>Target 2021</p>	<p>PIC</p>	<p>Cost Implication</p>
1	<p>Offer Special new academic courses a) Number of micro-credential courses b) Number of MOOCs</p>	<p>Number of courses</p>	<p>1 course per programme</p>	<p>Programme Directors</p>	<p>-</p>

S2 – PROVIDE CONTINUOUS UPSKILLING OF UNIVERSITY STAFF TO ACHIEVE EXCELLENCE IN EDUCATION AND RESEARCH

KAI LEADER (Prof. Dato' Dr. Nazri bin Muhamad Ludin)

KAI 2- Percentage of staff completing minimum 1 upskilling programme (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	Initiatives for Teaching Track academia Problem Based Learning Coaching by Dr Norliza Isa & Dr Zuhaili	NALI Output	Min. 80% output	FABU HR	RM 1000
2	Initiatives for Professional Practice Academia Community Engagement Coaching by PM LAr. Dr Mohd Hisyam Rasidi	Community Project	Min. 80% output	FABU HR	RM 1000
3	Data analyst for non academia (those involve with data in their MyJD)	Databased	80% complete databased	FABU HR	RM 1000
4	Graphic and designing for non academia (event management team)	Infographic/posters	100% infographic/posters	FABU HR	RM 1000
5	Google Site development for non academia (officers and above)	Google site per unit	80% google site readiness per unit	FABU HR	RM 1000
6	Laboratory staff (tailored with software in their lab)	OTJ training	80% knowledge of software usage, ability to assist class.	FABU HR	NONE

KAI LEADER (Prof. Dato’ Dr. Nazri bin Muhamad Ludin)

<p>KAI 3- Numbers of relevant experts in T&L and research through talent search. (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)</p>					
	<p>Initiatives (Programs/projects that help UTM to achieve the target)</p>	<p>initiative Indicators</p>	<p>Target 2021</p>	<p>PIC</p>	<p>Cost Implication</p>
1	<p>Recruitment framework for each department.</p>	<p>Framework</p>	<p>Complete framework</p>	<p>FABU HR</p>	<p>NIL</p>

S3 – TO INCULCATE UTM CORE VALUES NAMELY INTERGRITY, SYNERGY, EXCELLENCE AND SUSTAINABILITY (ISES) INTO WORK AND MANAGEMENT ECOSYSTEM

KAI LEADER (En. Abdul Jalil bin Maulani)

KAI 4- Percentage of staff achieve 80% and above Index of ISES (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	Staff attendance record-data analysis	Percentage of attendance issue	Max 20 %	HR FABU	NIL
2	Talent Disiplinary issues	Number of cases reported	Max 5 cases	HR FABU, Programme Director	NIL
3	Yearly performance review (ELPPT/ELNPT)	80% marks	Minimum 80%	HR FABU	NIL

KAI LEADER (Prof. Dr. Kasturi Devi Kanniah)

<p>KAI 5- Percentage of policies, procedures and guidelines on teaching and learning, research, management and talent management being reviewed and developed. (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)</p>					
	<p>Initiatives (Programs/projects that help UTM to achieve the target)</p>	<p>initiative Indicators</p>	<p>Target 2021</p>	<p>PIC</p>	<p>Cost Implication</p>
1	<p>SPK Review-on T&L and research</p>	<p>Reviewed SPK</p>	<p>100%</p>	<p>ADQS, TDPIPA, TDA</p>	<p>NIL</p>

S4 – STRENGTHEN UTM’S R & D & C & I CAPABILITY AND RESILIENCE TO CHAMPION EMERGING KNOWLEDGE AND RESEARCH AREAS

KAI LEADER (Dr. Mohd Farid bin Mohd Ariff)

KAI 6- Number of commercialized IPs from deep tech research projects facilitated and registered exclusively under UTM. (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	Initiative Indicators	Target 2021	PIC	Cost Implication
1	<ul style="list-style-type: none"> To organize Intellectual Property Courses To organize Technopreneurship Programme <ul style="list-style-type: none"> Marketing Commercialisation Strategies Market Driven Initiatives 	<ul style="list-style-type: none"> Number of Intellectual Property Courses Number of Technopreneurship Programme Number of FABU staff involve in the Technopreneurship Programme 	<ul style="list-style-type: none"> Number of Intellectual Property Courses (4 courses with ICC) Number of Technopreneurship Programme (4 programmes with ICC) Number of FABU staff involve in the Technopreneurship Programme (20 staffs) 	<ul style="list-style-type: none"> Dr. Mohd Farid Mohd Ariff (Leader) Dr. Robiah Suratman Dr. Mohd Nadzri Md Reba Prof. Madya Dr. Choong Weng Wai Prof. Madya Dr. Dzurllkianian @ Zulkarnain Bin Daud Dr. Zuhra Junaida Mohamad Husny Hamid Dr. Muhammad Farid Azizul b. Azizui 	Budget Khas FABU (RM30,000)

KAI LEADER (Dr. Syed Muhammad Rafy bin Syed Jaafar)

KAI 8- No. of academic staff involve in AIM4STAR project in educational and research (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	To organize RDCI programme research motivation workshop	<ul style="list-style-type: none"> mentor-mentee programs research grant workshop high impact publication workshop 	<ul style="list-style-type: none"> mentor-mentee programs (2) research grant workshop (4) high impact publication workshop (4) 	<ul style="list-style-type: none"> FABU Research Manager (leader) <ul style="list-style-type: none"> TDPIPA <ul style="list-style-type: none"> Dr. Lee Yoke Lai PM Dr. Nurul Hazrina Idris <ul style="list-style-type: none"> Dr. Ami Hassan Dr. Muhammad Uznir Ujang Dr. Gobi Krishna a/l Sinniah <ul style="list-style-type: none"> Dr. Noradila Rusli Prof Madya Dr. Norsidi Aizuddin Mat Nor <ul style="list-style-type: none"> Dr. Shazmin Shareena Ab Azis 	Budget Pengukuhan Penyelidikan
2	To establish FABU Shine programme	Number of young academic staffs involve in FABU Shine programme	20	<ul style="list-style-type: none"> TDPIPA (leader) <ul style="list-style-type: none"> Dr. Lee Yoke Lai PM Dr. Nurul Hazrina Idris <ul style="list-style-type: none"> Dr. Ami Hassan Dr. Muhammad Uznir Ujang Dr. Gobi Krishna a/l Sinniah <ul style="list-style-type: none"> Dr. Noradila Rusli Prof Madya Dr. Norsidi Aizuddin Mat Nor <ul style="list-style-type: none"> Dr. Shazmin Shareena Ab Azis 	Budget Khas FABU
3	To organize FABU Shine activities	Number of FABU Shine Activities	4	<ul style="list-style-type: none"> TDPIPA (leader) <ul style="list-style-type: none"> Dr. Lee Yoke Lai PM Dr. Nurul Hazrina Idris <ul style="list-style-type: none"> Dr. Ami Hassan Dr. Muhammad Uznir Ujang Dr. Gobi Krishna a/l Sinniah <ul style="list-style-type: none"> Dr. Noradila Rusli Prof Madya Dr. Norsidi Aizuddin Mat Nor <ul style="list-style-type: none"> Dr. Shazmin Shareena Ab Azis 	Budget Khas FABU (RM30,000)

S5 – NURTURE STRATEGIC NEXUS BETWEEN GOVERNMENT-ACADEMIA-INDUSTRY-COMMUNITY (THE QUADRUPLE HELIX) ECOSYSTEM TO SUSTAIN UNIVERSITY GROWTH

KAI LEADER (Prof. Dr. Mazlan bin Hashim)

KAI 9- Number of Government-Academia-Industry-Community consortium (AIMS4STAR) (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PT J)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	To develop satellite lab	Collaboration with potential industries from built environment and surveying fields	6 Collaboration MoU (1 for each department in FABU) 1 Satellite Lab will be established in 2021	<ul style="list-style-type: none"> • Prof Dr. Mazlan Hashim (leader) • Prof Madya Dr. Maziah Ismail • Prof Madya Dr. Zulkarnain Abdul Rahman • Dr. Abdullah Hisham Omar • Dr. Norliza Mohd Isa • Dr. Noradila Rusli • Dr. Mohd Azwarie Mat Dzahir • Dr. Azalillah Ramdani Musa 	Budget from Industries Operational Space from FABU
2	To organize Smart Partnership programme with Key Industries and Small to Medium Enterprise (SMEs)/Association	Number of smart partnership programme with key industries and Small to Medium Enterprise (SMEs)/Association	6 programmes (1 for each department in FABU)	<ul style="list-style-type: none"> • Prof Dr. Mazlan Hashim (leader) • Prof Madya Dr. Maziah Ismail • Prof Madya Dr. Zulkarnain Abdul Rahman • Dr. Abdullah Hisham Omar • Dr. Norliza Mohd Isa • Dr. Noradila Rusli • Dr. Mohd Azwarie Mat Dzahir • Dr. Azalillah Ramdani Musa 	Budget Khas FABU (RM5000 per programme) Total RM30,000
3	To establish AIMS4STAR Living Lab	Number of AIM4STAR living lab	6 living labs (1 for each department in FABU)	<ul style="list-style-type: none"> • Prof Dr. Mazlan Hashim (leader) • Prof Madya Dr. Maziah Ismail • Prof Madya Dr. Zulkarnain Abdul Rahman • Dr. Abdullah Hisham Omar • Dr. Norliza Mohd Isa • Dr. Noradila Rusli • Dr. Mohd Azwarie Mat Dzahir • Dr. Azalillah Ramdani Musa 	Budget Khas FABU (RM10,000 per department) Total RM60,000

KAI LEADER (PM Dr. Zulkepli bin Majid)

<p>KAI 10- Number of UTM spin-off and/or start up companies located in UTM Technovation park. (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)</p>					
	<p>Initiatives (Programs/projects that help UTM to achieve the target)</p>	<p>initiative Indicators</p>	<p>Target 2021</p>	<p>PIC</p>	<p>Cost Implication</p>
1	<p>To establish new spin-off company</p>	<p>Number of spin-off company</p>	<p>1</p>	<p>TDPIPA</p>	<p>Budget ICC</p>

S6 – PROVIDE SUSTAINABLE CAMPUS EXPERIENCE TO UTM'S STUDENTS, STAFFS AND SURROUNDING COMMUNITY

KAI LEADER (Prof. Dr. Amran bin Hamzah)

KAI 12 – Percentage/amount of budget allocated to create sustainable and smart campus. (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	Review the existing policy implementation on budget allocation from UTSB to PTJs	Percentage of completion	100%	Dekan TP	nil
2	Income generation from FABU's projects are allocated for sustainable and smart campus allocation	Percentage of	25%	Dekan TP	nil
3	Industry-based income generation program	Number of program per year	3	Pengarah TP	RM 1,000
4	Alumni-based income generation program	Number of program per year	6	Wakil Alumni Jabatan TP	RM 2,000
5	Smart-partnership with IT and technological infrastructure companies	Number of program per year	3	IT& Facilities Manager	RM1,000

KAI LEADER (Prof. Dr. Amran bin Hamzah)

KAI 12 – Percentage/amount of budget allocated to create sustainable and smart campus. (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
6	Percentage of implementation “Bring Your Own” Reusable container and eliminating single-use plastics at the selected food services	50% implemented at the baseline year of 2021	50%	JK Lestari	RM1,500.00
7	Use of bicycles and e-mobility vehicles as mode of transport among students	program/year	25%	Green Manager, Energy Manager, JK LESTARI	RM2,000.00
8	Strengthening campus sustainability initiatives	Percentage of PTJs which attain at least a 3-Green Leaf rating in Sustainability Assessment	70%	JK LESTARI	RM2,000.00

KAI LEADER (Prof. Dr. Amran bin Hamzah)

KAI 12 – Percentage/amount of budget allocated to create sustainable and smart campus. (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
9	Generate income from organising conferences in partnership with MYCEB	Number of program per year	2	Prof. Amran Hamzah (Leader), Programme Directors	RM15,000.00
10	Generate income from organising workshop and masterclasses	Number of program per year	2	Prof. Amran Hamzah (Leader), Programme Directors	RM3,000.00
11	Percentage of income from organising conferences and training workshops utilised for strengthening campus sustainability	Percentage of income	100%	Prof. Amran Hamzah (Leader), Programme Directors	nil
12	Partner community based organisations (CBOs) to apply Green Recovery grants	Number of program per year	2	Prof. Amran Hamzah (Leader), Programme Directors	RM3,000.00
13	Percentage of secured Green Recovery grants allocated for strengthening campus sustainability	Percentage of secured grants	100%	Prof. Amran Hamzah (Leader), Programme Directors	nil

S7 – ENCULTURATE DATA DRIVEN CULTURE WITH HIGH LEVEL OF TRUST IN TECHNOLOGY

KAI LEADER (Pn. Siti Mariyam binti Mamat)

	KAI 14- Numbers of data driven report on teaching & learning, research and other matters related to University operation (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)				
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	Development of “Data-driven Culture” Framework, Structures, Policy, Procedures and best Practices • SPK	Process development	30%	ADQS	RM 50,000.00

S8 – ACHIEVE GLOBAL EMINENCE AS A DISTINGUISHED MALAYSIA RESEARCH UNIVERSITY IN-LINE WITH NATIONAL AND GLOBAL AGENDA

KAI LEADER (Sr Dr. Zuhaili bin Mohamad Ramly)

<p>KAI 15 – To achieve global eminence as a distinguished Malaysia research university in-line with national and global agenda (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)</p>					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
1	<ul style="list-style-type: none"> - Initiate progressive engagement with current international students - Engage with the International Students Society 	Number of countries – Alumni chapters	2	ADEGE	-nil-
2	<ul style="list-style-type: none"> - Work closely with international professional institution/bodies - Bid as the host for the international conference 	Number of programs – Signature/High Impact conference	1	COE	RM10,000,00
3	<ul style="list-style-type: none"> - Initiate progressive engagement current international students - Utilize the provision of mutual appointment in the MOU/MOA 	Number of Staff appointed as visiting/adjunct/Lecturer/ Researcher	12	Director	-nil-
4	<ul style="list-style-type: none"> - Utilize the platform of international professional institution/bodies and alumni in partnering institutions - Utilize the existing collaborative programs with APSA, ALAM, ISCU 	Number of student network/collaboration with more than 5 countries	2	Director	RM10,000,00

KAI LEADER (Sr Dr. Zuhaili bin Mohamad Ramly)

KAI 15 – To achieve global eminence as a distinguished Malaysia research university in-line with national and global agenda (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
Initiatives (Programs/projects that help UTM to achieve the target)		initiative Indicators	Target 2021	PIC	Cost Implication
5	Work closely with international professional institution/bodies ie Transport, FM in collaboration with UTMSPACE	Number of MOU/MOA signed for academics and professional program	1	Director	RM 5,000.00
6	Work Identify relevant partner to develop student development program ie Sime Darby, YTL, MRCB	Number of MOU/MOA signed for academics and professional program	1	PP(UG)	RM 5,000.00
7	Initiate progressive engagement with current international students for future collaborative research related activities	Number of MOU/MOA signed for academics and professional program	1	Supervisor	-nil-
8	Conduct research workshop with Indonesian universities under IMRC platform	Number of MOU/MOA signed for academics and professional program	1	ADEGE	RM 20,000.00

KAI LEADER (Sr Dr. Zuhaili bin Mohamad Ramly)

KAI 15 – To achieve global eminence as a distinguished Malaysia research university in-line with national and global agenda (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
9	Better screening of academic peers contact Send invitation/acknowledge letters to nominated peers	Score in QS academic reputation indicator	45	ADEGE	-nil-
10	Identify the specific platform/publisher to understand the specific requirements Identify social media influencer that meet the requirements Host event/program to engage the appointed influencer Prepare suitable contents to be posted by the influencer	Number of published material	15	ADEGE	RM 5,000.00
11	Create awareness on MyRA among the FABU community	Improving/maintaining MyRA position	1	Dean	-nil-
12	Create awareness on SETARA among the FABU community	Improving/maintaining SETARA rating	6 stars	Dean	-nil-

KAI LEADER (Sr Dr. Zuhaili bin Mohamad Ramly)

<p>KAI 15 – To achieve global eminence as a distinguished Malaysia research university in-line with national and global agenda (eg. adapted from the corporate strategy KAI 1.. to be completed for all 15 KAIs except for KAIs that are not related to your PTJ)</p>					
	Initiatives (Programs/projects that help UTM to achieve the target)	initiative Indicators	Target 2021	PIC	Cost Implication
13	Produce 5 min video on student's achievements in competition	Number of FABU's talents and products through external recognition and competition	6	Program Coordinator	RM 3,000.00
14	Produce 5 min video on student's work ie Studio, Survey Camp.		6	Coordinator	RM 3,000.00
15	Produce 5 min video on staff's external recognition		1	ADEGE	RM 500.00
16	Produce 5 min video among professors showcasing the field and expertise		3	ADEGE	RM 1,500.00
17	Showcasing ongoing/current works and projects on website		3	IT	RM 1,500.00

Prepared by
Faculty of Built Environment and Surveying
Universiti Teknologi Malaysia
81310 Johor Bahru
Johor Darul Takzim