





Kolej

Pengajian Kejuruteraan Unleashing Potentials Shaping the Future

CURRICULUM VITAE



SCHOOL OF CIVIL ENGINEERING **COLLEGE OF ENGINEERING UNIVERSITI TEKNOLOGI MARA** 40450 SHAH ALAM, SELANGOR, MALAYSIA (Updated: 11 SEPTEMBER 2023)

UiTM Website: https://www.uitm.edu.my/index.php/en/

College of Engineering Website: https://engineering.uitm.edu.my/

A. PERSONAL PARTICULAR

i. PERSONAL DETAILS

Name	:	Dr. Fariz Aswan Bin Ahmad Zakwan
Age	:	43 years old
Religion	:	Islam
Marital Status	:	Married
Office Address (Current)	:	School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, MALAYSIA. Department: Structural and Material Engineering (STRUCM)



Office Address (Previous)	:	Civil Engineering Studies, College of Engineering, Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, 13500 Permatang Pauh, Pulau Pinang, MALAYSIA. Department: Structural and Material Engineering (STRUCM)
Current Positions	:	Senior Lecturer
Contact Number	:	+603-55442000 (Office)
E-Mail	:	<u>fariz838@uitm.edu.my</u> <u>fabaz2013@gmail.com</u>
Website	:	1. Expert UiTM https://expert.uitm.edu.my/profile.php?id=28ZNU42KgQaU9kiMy 27tqVYSMq9hr6pIYdW0akOCZAU=
		2. LinkedIn https://www.linkedin.com/in/dr-fariz-aswan-ahmad-zakwan- 80381599/
		3. Researchgate https://www.researchgate.net/profile/Fariz-Aswan-Ahmad-Zakwan
		4. Scopus https://www.scopus.com/authid/detail.uri?authorId=57216801834
		5. Web of Science https://www.webofscience.com/wos/author/record/1169493
		6. Google Scholar https://scholar.google.com/citations?hl=en&user=RZXYtFgAAAAJ& view_op=list_works&sortby=pubdate
		7. Reseacher ID (Orcid) https://orcid.org/0000-0001-7264-4268

ii. H-INDEX / CITATION

- Web of Science (2/7) updated on 11 September 2023
- Scopus (3/17) updated on 11 September 2023
- Google Scholar (4/27) updated on 11 September 2023



iii. EDUCATIONAL BACKGROUND

YEAR	DETAIL
29 OCTOBER 2014 – 7 JANUARY 2020	Doctor of Philosophy (Civil Engineering) Universiti Teknologi MARA, 40450 Shah Alam, Selangor, MALAYSIA Thesis Title: NUMERICAL ANALYSIS OF PROTECTED AND UNPROTECTED CELLULAR STEEL BEAMS (CSB) AT ELEVATED TEMPERATURE
17 OCTOBER 2005 – 17 SEPTEMBER 2007	Master of Science (Computational Mechanics of Materials and Structures - COMMAS) Universität Stuttgart, Institut für Mechanik (Bauwesen), Pfaffenwaldring 7, 70569 Stuttgart, GERMANY Thesis Title: NUMERICAL SIMULATION OF A DIAPHRAGM WALL CONSTRUCTION
NOVEMBER 2001 – 14 APRIL 2005	Bachelor of Enginering with Honours (Civil) Universiti Teknologi MARA, 40450 Shah Alam, Selangor, MALAYSIA
JANUARY 1999 -28 JULY 2001	Diploma in Civil Engineering Universiti Teknologi Malaysia, 54100 Kuala Lumpur, MALAYSIA

iv. ADMINISTRATIVE EXPERIENCE IN UITM

YEAR	POSITIONS	DEPARTMENT/FACULTY/CAMPUS ETC
1 FEBRUARY 2023 – 31 JANUARY 2025	Committee Member of International	College of Engineering, Universiti Teknologi Mara, 40450 Shah Alam, Selangor, Malaysia
1 JUNE 2023 – 31 DECEMBER 2025	Committee Member of the Program Management and Postgraduate Students	School of Civil Engineering, College of Engineering, Universiti Teknologi Mara, 40450 Shah Alam, Selangor, Malaysia
1 JUNE – 31 DECEMBER 2023	Curriculum Review Work Paper Document Provider CEEC701, CEEC702, CEEC703, CEEC704, CEEC705 And CEEC706 Year 2023	School of Civil Engineering, College of Engineering, Universiti Teknologi Mara, 40450 Shah Alam, Selangor, Malaysia
JANUARY 2022 – DECEMBER 2022	Head Of ETAC And Alumni EC110 Program	Civil Engineering Studies, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2022 –	Committee Member of MASMED UiTM Cawangan Pulau Pinang	School Of Civil Engineering, College of Engineering, Universiti Teknologi



DECEMBER 2022		Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2021 – DECEMBER 2021	Head Of ETAC And Alumni EC110 Program	School Of Civil Engineering, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2021 – DECEMBER 2021	Committee Member of Outcome Based Education (OBE)	School Of Civil Engineering, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2020 – DECEMBER 2020	Head Of ETAC And Alumni EC110 Program	School Of Civil Engineering, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2019 – DECEMBER 2020	Committee Member of Strategic Planning and Information	School Of Civil Engineering, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2019 – DECEMBER 2020	Head Of Audit EC110 Program	School Of Civil Engineering, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2018 – DECEMBER 2020	Committee Member Quality Unit	School Of Civil Engineering, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia
JANUARY 2013 – DECEMBER 2014	Vice Chairman of UiTM Examination Unit	School Of Civil Engineering, College of Engineering, Universiti Teknologi Mara, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang, Malaysia



v. RESEARCH HIGHLIGHTS

YEAR	DETAIL	STATUS
1 SEPTEMBER 2021 – 31 AUGUST 2023	MYRA Research Grant under Universiti Teknologi MARA: Group leader Ref. No.: 600-RMC/GPM LPHD 5/3 (063/2021) Project Title: Optimizing the Strength Performance Of Stainless Steel Cellular Beam SSCB At Elevated Temperature Grant Amount: RM 20,000.00 Project leader: Dr. Fariz Aswan Bin Ahmad Zakwan Member: Dr. Ruqayyah Ismail and Associate Professor Ts. Dr. Mohd. Hisbany Bin Mohd. Hashim	On-Going
1 SEPTEMBER 2021 – 31 AUGUST 2023	Fundamentals Research Grant Scheme (FRGS) under Ministry of Higher Education (MOHE): Sub-group leader Ref. No.: FRGS/1/2021/TK0/UITM/02/41 Project Title: Moment-Curvature Model of Reinforced Concrete Beam Strengthened with Shape Memory Alloy (SMA) Grant Amount: RM 100,985.00 Project leader: Dr. Goh Lyn Dee Member: Prof. Ir. Dr. Raizal Saifulnaz Muhammad Rashid, Prof. Dr. Azmi Ibrahim, Dr. Fariz Aswan Bin Ahmad Zakwan, Dr. Ruqayyah Ismail and Associate Professor Dr. Clotilda Petrus	On-Going
1 JANUARY 2019 – 30 SEPTEMBER 2021	Fundamentals Research Grant Scheme (FRGS) under Ministry of Higher Education (MOHE): Sub-group leader Ref. No.: 600-IRMI/FRGS 5/3 (177/2019) Project Title: Constitutive modeling of reinforced concrete circular columns strengthened with shape memory alloy strips Grant Amount: RM 63,500.00 Project leader: Dr. Ruqayyah binti Ismail Member: Prof. Ir. Dr. Raizal Saifulnaz Muhammad Rashid, Dr Abdul Rahim Ridzuan, Dr. Hazrina Binti Ahmad, Dr. Fariz Aswan Bin Ahmad Zakwan & Badrul Nizam Bin Ismail	Completed
1 JANUARY 2019 – 30 SEPTEMBER 2021	Fundamentals Research Grant Scheme (FRGS) under Ministry of Higher Education (MOHE): Sub-group leader Ref. No.: 600-IRMI/FRGS 5/3 (004/2019) Project Title: Strength characterization of the CFRP confined circular reinforced concrete column under high temperature Grant Amount: RM 61,400.00 Project leader: Dr. Hazrina Binti Ahmad	On-Going



Members: Dr. Ruqayyah binti Ismail, Dr. Fariz Aswan Bin Ahmad Zakwan, Prof. Ir. Dr. Raizal Saifulnaz Muhammad Rashid & AP Ts. Dr. Mohd Hisbany Bin Mohd Hashim

15 APRIL 2012 – 12Fundamentals Research Grant Scheme (FRGS)
under Ministry of Higher Education (MOHE):
Sub-group leader
Ref. No.: 600-RMI/FRGS 5/3 (42/2012)
Project Title: Basic Study of High Temperature
Resistance on Hybrid Fibre Reinforced Concrete
Grant Amount: RM 68,500.00
Project leader: Dr. Ruqayyah binti Ismail
Members: Dr. Fariz Aswan Bin Ahmad Zakwan, Dr.
Clotilda Binti Petrus & Nor Hafida Binti HashimCompleted

vi. RESEARCH INTEREST AND FIELD OF EXPERTISE

- Finite Element Method (FEM)
- ABAQUS CAE Simulation
- Performance-Based Engineering
- Fire Engineering
- Structural Behavior Steel and Concrete Structures at Elevated Temperatures
- Heat Transfer Analysis
- Structural analysis
- Fire Protection Materials
- Composite Materials and Structures
- Strengthening and Rehabilitation of Concrete and Steel Structures
- Structural Strengthening with Fibre reinforced Polymer

vii. LIST OF SUBJECTS TAUGHT IN UNIVERSITY (DIPLOMA, DEGREE & MASTER)

SUBJECTS/COURSES	PROGRAM	LEVEL
Infrastructure Disaster Management	CEEC	Master of Science in Forensic
(FIE708)		Infrastructure Engineering
Finite Element in Mechanics (ECS718)	CEEC701	Master of Science
Statics (ECS416)	CEEC220/222	Bachelor of Civil Engineering
Construction Technology (ECM447)	CEEC220/222	Bachelor of Civil Engineering
Structural Analysis (ECS556)	CEEC220	Bachelor of Civil Engineering
Mechanics of Solids (ECS428)	CEEC220	Bachelor of Civil Engineering
Infrastructure Design Project (CEC594)	EC221	Bachelor of Civil Engineering
Engineering Material Laboratory	EC221	Bachelor of Civil Engineering
(CES410)		
Structural Steel Design (CES523)	EC221	Bachelor of Civil Engineering
Solid Mechanics (CES422)	EC221	Bachelor of Civil Engineering
Determinate Structures (CES424)	EC221	Bachelor of Civil Engineering
Civil Engineering Materials (CES425)	EC221	Bachelor of Civil Engineering
Structural Engineering Laboratory	EC221	Bachelor of Civil Engineering
(CES511)		
Solid Mechanics (ECS226)	EC110	Diploma in Civil Engineering



Structures and Materials Laboratory (ECS218)	EC110	Diploma in Civil Engineering
Mechanics of Structures (ECS228)	EC110	Diploma in Civil Engineering
Civil Engineering Materials (ECS256)	EC110	Diploma in Civil Engineering

viii. PROFESSIONAL AFFILIATIONS (MEMBER)

- Board of Engineers Malaysia (BEM) Graduate
- The Institutes of Engineers Malaysia (IEM) Graduate

ix. WORK EXPERIENCE

YEAR	DETAIL
3 January 2023 - Present	Senior lecturer at School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, 40450 Shah Alam, Selangor, MALAYSIA
10 March 2014 – 31 December 2022	Senior lecturer at Civil Engineering Studies, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang. Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pinang, MALAYSIA
19 November 2007 – 10 March 2014	Lecturer at School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang. Kampus Permatang Pauh, 13500 Permatang Pauh, Pulau Pnang, MALAYSIA

x. VISITING PROFESSOR/ VISITING FELLOW

YEAR

DETAIL

B. SUPERVISIONS

i. DOCTOR OF PHILOSOPHY (PhD)

- Name : Afifudin Bin Habulat
- UiTM ID : 2018478274
- Field : Doctor of Philosophy (Civil Engineering) EC950
- Title
 : Behaviour of carbon fiber reinforced polymer (CFRP) strengthened reinforced concrete column cladding with composite insulation exposed to elevated temperature

 Status
 : On-going
- Role : Co Supervisor

ii. MASTER OF SCIENCE (M.Sc.)

Name	: Li Shihui
UiTM ID	: 2022211416
Field	: Master of Science (Civil Engineering) – CEEC750



Title Status Role	 Analysing the challenges and factors of sustainable construction uptake and execution in Malaysia On-going (First semester December 2022) Co Supervisor
Name UiTM ID Field Title Status Role	: Muhammad Arif Ikmal Bin Abdul Halim : 2021299512 : Master of Science (Civil Engineering) – EC750 : Flexural strength of RC beam with FE-SMA at elevated temperature : On-going (First semester December 2021) : Co Supervisor
Name UiTM ID Field Title Status Role	 Muhammad Amir Shafiq Bin Rahamad Ali 2020240854 Master of Science (Civil Engineering) – EC750 Strength characterization of the CFRP confined circular reinforced concrete column under high temperature <u>Completed</u> Co Supervisor

ii. BACHELOR'S DEGREE THESIS / PROJECT PAPERS

SEMESTER / YEAR	NAME OF STUDENT	TITLE
October 2023 – August 2024	1. 2.	
October 2022 – August	1. Nurul Ihtifadzuddin Akmal Bin Nurul Alim	Numerical simulation of RC beam strengthened with FE SMA at elevated temperature.
2023	2. Muhammad Firdaus Bin Sakri	Analysing the capability of concrete using palm oil fuel ash (POFA) as a cement (OPC) replacement using a non-destructive test (NDT)
October 2021 – August	1. Nur Afiqah Binti Hazizan	Structural behaviour of stainless-steel beam (SSB) at elevated temperature
2022	2. Adrian Rudolf Yansai	Numerical simulation of cellular stainless-steel beam (CSSB) at elevated temperature
	1. Muhamad Firdaus Bin Rosle	Finite Element Simulation of reinforced concrete column with full confined carbon fiber reinforced polymer (CFRP)
October 2020 – August 2021	2. Nur Aqilah Binti Zakaria	Numerical analysis of reinforced concrete column with full confined carbon fiber reinforced polymer (CFRP) exposed to elevated temperature.
	3. Menissa Anak Buyong	Numerical simulation of reinforced concrete column with partial confined carbon fiber reinforced polymer (CFRP) exposed to elevated temperature



	1. Amirul Bin Abd Aziz	Modelling of Steel Fibre Reinforced Concrete Ribbed Slab Panel using Finite Element Analysis
September 2019 – January 2020	2. Muhammad Asyraf Bin Zainal	Numerical Study of RC Column with CFRP Confinement
	3. Abid Haiqal Bin Arif	Finite Element Modelling of RC Column Partially Confined with CFRP
September 2012 -	1. Muhammad Fahmi Bin Mustafa	Compressive Behavior of Steel Fiber Reinforcement Concrete After Exposed to High Temperature
January 2013	2. Khairil Imran Bin Fadillah	Effect of Steel Fibre on Flexural Strength of Fibre Reinforced Concrete at High Temperature
	1. Mohamad Afif Bin Daud	Compression Behaviour of Concrete Cylinder with Additional of Silica Fume and Polyethylene
Mar 2014 - Jul 2014	2. Nurain Aisyah Bt. Abd Samad	A Study of Structural Behaviour of Concrete Cube Containing Polyethylene
	3. Mohd. Shah Riza Bin Mohd. Sabri	Flexural Study of Concrete Beam Containing Fly Ash and Polyethylene
	4. Nizar Bin Nahar	The Effects of Silica Fume and Polyethylene (PE) For Performance of The Concrete

C. TEACHING ACTIVITIES

i. BACHELOR'S DEGREE / DIPLOMA

YEAR/SEMESTER	SUBJECT	NUMBER OF STUDENTS	PROGRAMME
October 2023 – February 2024	ECS416 Statics		 Bachelor of Engineering (Civil) (Hons) (Universiti Teknologi MARA, Shah Alam, Selangor)
March - August	ECM446 Construction Technology	112	 Bachelor of Engineering (Civil) (Hons) (Universiti Teknologi MARA, Shah Alam, Selangor)
2023	ECS556 Structural Analysis	25	 Bachelor of Engineering (Civil) (Hons) (Universiti Teknologi MARA, Shah Alam, Selangor)
October 2022 – February 2023	CES410 Engineering Material Laboratory	19	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang) Bachelor of Engineering (Civil)
			 Bachelor of Engineering (Civil) (Hons)



	ECS428	35	(Universiti Teknologi MARA, Shah
	Mechanics of Solid		Alam, Selangor)
March – August 2022	CEC594 Infrastructure Design Project	30	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
October 2021 –	CES511 Structural Engineering Laboratory	43	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
February 2022	CES523 Structural Steel Design	45	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
March – August 2021	ECS226 Solid Mechanics	58	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
October 2020 – February 2021	CES425 Civil Engineering Materials	46	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
March – July 2020	CES513 Computational Analysis Methods for Engineers / Computational Analysis for Engineers	57	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
	CES422 Solid Mechanics	24	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
September 2019 –	CES422 Solid Mechanics	32	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
January 2020	CES511 Structural Engineering Laboratory	15	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
March – July 2019	CES424	74	 Bachelor's Degree of Engineering (Hons.) Civil (Infrastructure)



	Determinate		(Universiti Teknologi MARA, Pulau
	Structures		Pinang Branch, Permatang Pauh
	Olidolaroo		Campus, Pulau Pinang)
	CES422	41	 Bachelor's Degree of Engineering
0 / / 00/0	Solid Mechanics		(Hons.) Civil (Infrastructure)
September 2018 –			Universiti Teknologi MARA, Pulau
January 2019			Pinang Branch, Permatang Pauh
			Campus, Pulau Pinang)
	ECS256	75	Diploma in Civil Engineering
March July 2010	Civil Engineering		(Universiti Teknologi MARA, Pulau
March – July 2018	Materials		Pinang Branch, Permatang Pauh
			Campus, Pulau Pinang)
	ECM346	60	 Diploma in Civil Engineering
September 2017 –	Building Services		(Universiti Teknologi MARA, Pulau
January 2018			Pinang Branch, Permatang Pauh
			Campus, Pulau Pinang)
	ECS228	55	 Diploma in Civil Engineering
	Mechanics of		(Universiti Teknologi MARA, Pulau
	Structures		Pinang Branch, Permatang Pauh
June – October			Campus, Pulau Pinang)
2014			
2014	ECS218	20	 Diploma in Civil Engineering
	Structures and		(Universiti Teknologi MARA, Pulau
	Materials Laboratory		Pinang Branch, Permatang Pauh
			Campus, Pulau Pinang)
	ECS328	66	 Diploma in Civil Engineering
December 2013 –	Structural Steelwork		(Universiti Teknologi MARA, Pulau
April 2014	and Timber Design		Pinang Branch, Permatang Pauh
			Campus, Pulau Pinang)
	ECS228	96	Diploma in Civil Engineering
June - October	Mechanics of		(Universiti Teknologi MARA, Pulau
2013	Structures		Pinang Branch, Permatang Pauh
	500000		Campus, Pulau Pinang)
	ECS228	115	Diploma in Civil Engineering
	Mechanics of		(Universiti Teknologi MARA, Pulau
	Structures		Pinang Branch, Permatang Pauh
December 2012 –			Campus, Pulau Pinang)
April 2013	ECS218	58	 Diploma in Civil Engineering
	Structures and	56	(Universiti Teknologi MARA, Pulau
	Materials Laboratory		Pinang Branch, Permatang Pauh
	Materials Laboratory		Campus, Pulau Pinang)
	ECS228	94	Diploma in Civil Engineering
	Mechanics of	34	(Universiti Teknologi MARA, Pulau
	Structures		Pinang Branch, Permatang Pauh
	5		Campus, Pulau Pinang)
June – October			campae, r alaa r mangy
2012	ECS218	30	Diploma in Civil Engineering
	Structures and		(Universiti Teknologi MARA, Pulau
	Materials Laboratory		Pinang Branch, Permatang Pauh
			Campus, Pulau Pinang)
			campac, raida rinang,



November 2011 –	ECS228 Mechanics of Structures	87	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
March 2012	ECS218 Structures and Materials Laboratory	72	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
May – October	ECS228 Mechanics of Structures	71	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
2011	ECS218 Structures and Materials Laboratory	61	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
	ECM106 Civil Engineering Drawing	34	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
January – April 2011	ECS218 Structures and Materials Laboratory	32	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
	ECS228 Mechanics of Structures	31	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
July – November	ECS228 Mechanics of Structures	28	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
2010	ECS218 Structures and Materials Laboratory	43	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
January – April	ECS228 Mechanics of Structures	66	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
2010	ECS218 Structures and Materials Laboratory	13	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
July – November 2009	ECS228	55	 Diploma in Civil Engineering



	March a strand		
	Mechanics of Structures		(Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
	ECM317 Civil Engineering Drawing	18	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
December 2008 – April 2009	ECS218 Structures and Materials Laboratory	26	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
	ECS228 Mechanics of Structures	25	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
	ECS218 Structures and Materials Laboratory	47	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
July – November 2008	ECM106 Civil Engineering Drawing	30	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
	KJA356 Introduction to Construction Management	64	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
December 2007 –	ECS218 Structures and Materials Laboratory	80	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
April 2008	KJC368 Civil Engineering Design Project	40	 Diploma in Civil Engineering (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)
December 2007 – April 2008	ECS478/KJC418 Reinforced Concrete Design/Advanced Reinforced Concrete and Prestressed Concrete Design	21	 Bachelor in Engineering (Honours) (Civil) (Universiti Teknologi MARA, Pulau Pinang Branch, Permatang Pauh Campus, Pulau Pinang)

iii. EPJJ / DEGREE / DIPLOMA & MASTER

YEAR/SEMESTER	SUBJECT	PROGRAMME
October 2023 –	FIE708	 Master of Science in Forensic
February 2024		Infrastructure Engineering



	Infrastructure Disaster		(Universiti Teknologi MARA, Pulau
	Management		Pinang Branch, Permatang Pauh
			Campus, Pulau Pinang)
	ECS718	25	 Master of Science in Structural
October 2020 -	Finite Element in		Engineering
February 2021	Mechanics		(Universiti Teknologi MARA, Shah
			Alam, Selangor)

D. RESEARCH RECORDS

NO.	RESEARCH GRANT / ROLE	PERIOD / STATUS	TYPE / REFERENCE	AMOUNT
1.	Optimizing the Strength Performance of Stainless Steel Cellular Beam SSCB At Elevated Temperature Project leader: Dr. Fariz Aswan Bin Ahmad Zakwan Member: Dr. Ruqayyah Ismail and Associate Professor Ts. Dr. Mohd. Hisbany Bin Mohd. Hashim	1 September 2021 – 31 August 2023 (ON-GOING)	MYRA Research Grant under Universiti Teknologi MARA (UiTM Grant)	RM 20,000.00
2.	Moment-Curvature Model of Reinforced Concrete Beam Strengthened with Shape Memory Alloy (SMA) Project leader: Dr. Goh Lyn Dee Member: Prof. Ir. Dr. Raizal Saifulnaz Muhammad Rashid, Prof. Dr. Azmi Ibrahim, Dr. Fariz Aswan Bin Ahmad Zakwan, Dr. Ruqayyah Ismail and Associate Professor Dr. Clotilda Petrus	1 September 2021 – 31 August 2023 (ON-GOING)	Fundamentals Research Grant Scheme (FRGS) under Ministry of Higher Education (MOHE) (National Grant)	RM 100,985.00
3.	Constitutive modeling of reinforced concrete circular columns strengthened with shape memory alloy strips Project leader: Dr. Ruqayyah binti Ismail Member: Prof. Ir. Dr. Raizal Saifulnaz Muhammad Rashid, Dr Abdul Rahim Ridzuan, Dr. Hazrina Binti Ahmad, Dr. Fariz Aswan Bin Ahmad Zakwan & Badrul Nizam Bin Ismail	1 January 2019 – 30 September 2021 (COMPLETED)	Fundamentals Research Grant Scheme (FRGS) under Ministry of Higher Education (MOHE) (National Grant)	RM 63,500.00
4.	Strength characterization of the CFRP confined circular reinforced concrete column under high temperature	1 January 2019 – 30 September 2021	Fundamentals Research Grant Scheme (FRGS) under Ministry of	RM 61,400.00



	Project leader: Dr. Hazrina Binti Ahmad Members: Dr. Ruqayyah binti Ismail, Dr. Fariz Aswan Bin Ahmad Zakwan, Prof. Ir. Dr. Raizal Saifulnaz Muhammad Rashid & AP Ts. Dr. Mohd Hisbany Bin Mohd Hashim	(COMPLETED)	Higher Education (MOHE) (National Grant)	
5.	Basic Study of High Temperature Resistance on Hybrid Fibre Reinforced Concrete Project leader: Dr. Ruqayyah binti Ismail Members: Dr. Fariz Aswan Bin Ahmad Zakwan, Dr. Clotilda Binti Petrus & Nor Hafida Binti Hashim	15 April 2012 – 12 April 2015 (COMPLETED)	Fundamentals Research Grant Scheme (FRGS) under Ministry of Higher Education (MOHE) (National Grant)	RM 68,500.00
			Total	RM 314,385.00

E. PUBLICATIONS

I(a). JOURNAL (WOS INDEXED) (Published)

 Nur Aqilah Zakaria, Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan, Hazrina Ahmad, Muhamad Firdaus Rosle, Mohd Hisbany Mohd Hashim and Raizal Saifulnaz Muhammad Rashid (2023) Numerical investigation of fully confined RC column with carbon fiber reinforced polymer when expose to fire. Physics and Chemistry of the Earth, Parts A/B/C, 129, 103335, 1-15 <u>https://doi.org/10.1016/j.pce.2022.103335</u> Impact Factor (IF) = 3.311 (2023)

Quartile Q2

Published Date: 16 February 2023

 Fariz Aswan Ahmad Zakwan, Ruqayyah Ismail, Renga Rao Krishnamoorthy and Azmi Ibrahim (2020). Predicted temperature development on protected cellular steel beam (CSB) under fire exposure. Journal of Structural Fire Engineering, 11(2), 205-220. https://doi.org/10.1108/JSFE-10-2018-0030

Impact Factor (IF) = 0.374 (2023) Quartile Q3

Published Date: 23 November 2019

- Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim, and Ruqayyah Ismail (2018). A finite element (FE) simulation of naked solid steel beam at elevated temperature. International Journal of Integrated Engineering, 10(9), 7-13. <u>https://penerbit.uthm.edu.my/ojs/index.php/ijie/article/view/2364</u> Impact Factor (IF) = 0.267 (2023) Quartile Q3 Published Date: 31 December 2018
- Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Abdul Manaff Mohd Ismail (2015). Fire resistance performance of cellular steel beam (CSB) at elevated temperatures. Jurnal Teknologi, 76(9), 97-101. https://doi.org/10.11113/jt.v76.5685



Impact Factor (IF) = 0.203 Quartile Q3. Published Date: 28 September 2015

I(b). JOURNAL (SCOPUS INDEXED) (Published)

 Nur Aqilah Zakaria, Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan, Hazrina Ahmad, Muhamad Firdaus Rosle, Mohd Hisbany Mohd Hashim and Raizal Saifulnaz Muhammad Rashid (2023) Numerical investigation of fully confined RC column with carbon fiber reinforced polymer when expose to fire. Physics and Chemistry of the Earth, Parts A/B/C, 129, 103335, 1-15 https://doi.org/10.1016/j.pce.2022.103335

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CiteScore = 5.1 (2022)
SCImago Journal Rank = 0.695 (2022)
Quartile Q2
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Published Date: 16 February 2023

2. Nur Aiman Suparlan , Hazrina Ahmad , Mohd Hisbany Mohd Hashim , Muhammad Amir Shafiq Rahamad Ali , Ruqayyah Ismail , Fariz Aswan Ahmad Zakwan (2021). Compressive strength of CFRP confined concrete under exposure to high temperature. Civil Engineering and Architecture, 9(5), 78-85.

https://doi.org/10.13189/cea.2021.091309

CiteScore = 1.2 (2022) SCImago Journal Rank = 0.211 (2022) Quartile Q4 Published Date: 14 August 2021

 Fariz Aswan Ahmad Zakwan, Ruqayyah Ismail, Renga Rao Krishnamoorthy, & Ibrahim, A. (2020). Predicted temperature development on protected cellular steel beam (CSB) under fire exposure. Journal of Structural Fire Engineering, 11(2), 205-220.

https://doi.org/10.1108/JSFE-10-2018-0030

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CiteScore = 2.1 (2022)
SCImago Journal Rank = 0.303 (2022)
Quartile Q2.
```

Published Date: 23 November 2019

 Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Abdul Manaff Mohd Ismail (2019). Performance based approach of cellular steel beam (CSB) exposed to fire. Journal of Mechanical Engineering, 16(1), 229-238.

https://ir.uitm.edu.my/id/eprint/36410/1/36410.pdf

CiteScore = 1.1 (2022) SCImago Journal Rank = 0.2 (2022) Quartile Q3

Published Date: 1 April 2019

 Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Ruqayyah Ismail (2018). A finite element (FE) simulation of naked solid steel beam at elevated temperature. International Journal of Integrated Engineering, 10(9), 7-13.

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https://penerbit.uthm.edu.my/ojs/index.php/ijie/article/view/2364
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CiteScore = 1.3 (2022)
SCImago Journal Rank = 0.2 (2022)
Quartile Q4.
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Published Date: 31 December 2018

 Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Abdul Manaff Mohd Ismail (2015). Fire resistance performance of cellular steel beam (CSB) at elevated temperatures. Jurnal Teknologi, 76(9), 97-101. https://doi.org/10.11113/jt.v76.5685

CiteScore = 1.5 (2022)

SCImago Journal Rank = 0.221 (2022)



Scopus Q3. Published Date: 28 September 2015

I(c). JOURNAL (MYCITE/MYJURNAL INDEXED)

- Muhammad Amir Shafiq Rahamad Ali, Fariz Aswan Ahmad Zakwan, Hazrina Ahmad, Ruqayyah Ismail and Badrul Nizam Ismail (2022). Compressive Strength and Behaviour of Full and Partial CFRP Confined Concrete Columns. ESTEEM Academic Journal 18 (September 2022), 41-54 <u>https://ir.uitm.edu.my/id/eprint/68072/</u> <u>https://uppp.uitm.edu.my/images/doc/ESTEEM pdf format/vol18sep/18550sep22.pdf</u>
- 2. Fariz Aswan Ahmad Zakwan, Ruqayyah Ismail, Mohd Zaini Endut (2022). Assessment Programme Outcomes (POs) of the Solid Mechanics Course for an Engineering Diploma Programme. International Journal of Practices in Teaching and Learning (IJPTL) 2 (2), 21-25. <u>https://ijptl.uitm.edu.my/files/v2n2-aug2022/IJPTL_214.pdf</u>
- Ruqayyah Ismail, Clotilda Petrus, Caroline Marajan, Bahardin Baharom and Fariz Aswan Ahmad Zakwan (2022). The Online Student Portfolio Implementation at the Faculty of Civil Engineering, Universiti Teknologi MARA, Pulau Pinang Malaysia. International Journal of Service Management and Sustainability (IJSMS), 7(1), 49-62. <u>https://ir.uitm.edu.my/id/eprint/58186</u> <u>https://doi.org/10.24191/ijsms.v7i1.17778</u> Published Date: 31 March 2022
- Norsalwa Aisyah Senu, Ruqayyah Ismail, Norlizan Wahid, Hazrina Ahmad, Fariz Aswan Ahmad Zakwan (2021). Compression Behaviour of Concrete Cylinder with Carbon Fibre Reinforced Polymer (CFRP) Confinement. Scientific Research Journal, 18(1), 27-41. https://doi.org/10.24191/srj.v18i1.11394. https://doi.org/10.24191/srj.v18i1.11394. Published Date: 28 February 2021

II(a). PROCEEDING CONFERENCES (WOS INDEXED) (Published)

- Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Ruqayyah Ismail (2020). Finite element analysis of coated (intumescent coating protection) cellular steel beam (CSB) expose to fire. Paper presented at the IOP Conference Series: Materials Science and Engineering, , 713(1). <u>https://doi.org/10.1088/1757-899X/713/1/012032</u>
 Published Date: 3 January 2020
- Ruqayyah Ismail, Goh Lyn Dee, Nik Nurul Nadia Nik Hasan, Azerai Ali Rahman and Fariz Aswan Ahmad Zakwan (2020). Shear performance of pretensioned prestressed concrete beam with steel fibre. Paper presented at the IOP Conference Series: Materials Science and Engineering, , 713(1) <u>https://doi.org/10.1088/1757-899X/713/1/012027</u> Published Date: 3 January 2020
- Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Abdul Manaff Mohd Ismail (2017). Numerical simulation of unprotected solid steel beams at elevated temperatures. Paper presented at the Life-Cycle of Engineering Systems: Emphasis on Sustainable Civil Infrastructure - 5th International Symposium on Life-Cycle Engineering, IALCCE 2016, 1154-1161. <u>https://www.taylorfrancis.com/chapters/edit/10.1201/9781315375175-161/numerical-</u> simulation_unprotected_solid_steel_beams-elevated_temperatures_abmad_zakwan_

simulation-unprotected-solid-steel-beams-elevated-temperatures-ahmad-zakwankrishnamoorthy-ibrahim-mohd-ismail **Published Date:** 16 October 2016

II(b). PROCEEDING CONFERENCES (SCOPUS INDEXED) (Published)



 Norehan Othman, Hazrina Ahmad, Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan, Goh Lyn Dee and Norlizan Wahid (2023). Behaviour of RC Columns Strengthened with Partial Carbon Fibre Reinforced Polymer (CFRP) Confinement. Lecture Notes in Civil Engineering, 350 LNCE, pp. 825 – 834. Paper presented at the International Symposium of the International Federation for Structural Concrete, fib Symposium 2023, Istanbul, Turkey. http://doi.org/10.1007/978-3-031-32511-3_85

CiteScore = 0.7 (2022) SCImago Journal Rank = 0.147 (2022) Published Date: 5 June 2023

 Ahmad Amirul Abdul Aziz, Hazrina Ahmad, Fariz Aswan Ahmad Zakwan, Ruqayyah Ismail, Norlizan Wahid and Goh Lyn Dee (2023). Modelling of Steel Fibre Reinforced Concrete Ribbed Slab Panel Using Finite Element Analysis. Lecture Notes in Civil Engineering, 350 LNCE, pp. 222 – 232. Paper presented at the International Symposium of the International Federation for Structural Concrete, fib Symposium 2023, Istanbul, Turkey. <u>http://doi.org/10.1007/978-3-031-32511-3_25</u> CiteScore = 0.7 (2022)

SCImago Journal Rank = 0.147 (2022) Published Date: 5 June 2023

 Muhammad Aidill Ngatiman, Hazrina Ahmad, Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan, Mohd Hisbany Mohd Hashim (2022). Finite Element Analysis of Full And Partial Confinement Of Reinforced Concrete Column With Carbon Fiber Reinforced Polymer (CFRP). Paper presented at the AIP Conference Proceedings, 2532, 1, 040010.

https://doi.org/10.1063/5.0111076

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CiteScore = 0.7 (2022)
SCImago Journal Rank = 0.164 (2022)
Published Date: 28 November 2022
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4. Ruqayyah Ismail, Raizal Saifulnaz Muhammad Rashid, Fariz Aswan Ahmad Zakwan, Hazrina Ahmad and Farzad Hejazi (2022). Axial Behaviour Of Strengthened Circular Hollow Reinforced Concrete Column With CFRP Partial Confinement. Paper presented at the Acta Polytechnica CTU Proceedings, , 33, 250-255.

https://doi.org/10.14311/APP.2022.33.0250

Published Date: 3 March 2022

 Hazrina Ahmad, Mohd Hisbany Mohd Hashim, Afidah Abu Bakar, Fariz Aswan Ahmad Zakwan and Ruqayyah Ismail (2022). Comparative Flexural Performance Of Steel Fibre Reinforced Self-Compacting Concrete (SCFRC) Ribbed Slab With Different Fibre Provision Area. Paper presented at the Acta Polytechnica CTU Proceedings, 33, 1-7. <u>https://doi.org/10.14311/APP.2022.33.0001</u>

Published Date: 3 March 2022

 Fariz Aswan Ahmad Zakwan, Ruqayyah Ismail, Hazrina Ahmad and Raizal Saifulnaz Muhammad Rashid (2022). 3D Finite Element Simulation Of Reinforced Concrete Column Strengthened By Partially Confined Carbon Fibre Reinforced Polymer Under Concentric Loading. Paper presented at the Acta Polytechnica CTU Proceedings, 33 8-14. <u>https://doi.org/10.14311/APP.2022.33.0008</u>

Published Date: 3 March 2022

 Syaza Nur Lylia Zulkifli, Mohd Hisbany Mohd Hashim, Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan, Hazrina Ahmad, Badrul Nizam Ismail and Raizal Saifulnaz Muhammad Rashid (2020). Application of shape memory alloys (SMA) as a retrofit and strengthening component on reinforced concrete columns: Review paper. Paper presented at the Journal of Physics: Conference Series, , 1529(4)

https://doi.org/10.1088/1742-6596/1529/4/042104

CiteScore = 1.0 (2022) SCImago Journal Rank = 0.183 (2022) Published Date: 17 June 2020

8. Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Ruqayyah Ismail (2020). Finite element analysis of coated (intumescent coating protection) cellular steel beam



(CSB) expose to fire. Paper presented at the IOP Conference Series: Materials Science and Engineering, 713(1). <u>https://doi.org/10.1088/1757-899X/713/1/012032</u>

CiteScore = 1.1 (2022)

SCImago Journal Rank = 0.249 (2022)

Published Date: 3 January 2020

 Ruqayyah Ismail, Goh Lyn Dee, Nik Nurul Nadia Nik Hasan, Azerai Ali Rahman and Fariz Aswan Ahmad Zakwan (2020). Shear performance of pretensioned prestressed concrete beam with steel fibre. Paper presented at the IOP Conference Series: Materials Science and Engineering, 713(1) <u>https://doi.org/10.1088/1757-899X/713/1/012027</u>

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CiteScore = 1.1 (2022)
SCImago Journal Rank = 0.249 (2022)
Published Date: 3 January 2020
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 Ruqayyah Ismail, Raizal Saifulnaz Muhammad Rashid, Fariz Aswan Ahmad Zakwan and Farzad Hejazi (2019). Experimental study of circular hollow reinforced concrete column strengthened with partial carbon fibre reinforced polymer (CFRP) confinement. Paper presented at the IOP Conference Series: Materials Science and Engineering, 615(1). <u>https://doi.org/10.1088/1757-899X/615/1/012075</u>

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CiteScore = 1.1 (2022)
SCImago Journal Rank = 0.249 (2022)
Published Date: 15 October 2010
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Published Date: 15 October 2019

11. Fariz Aswan Ahmad Zakwan, Renga Rao Krishnamoorthy, Azmi Ibrahim and Abdul Manaff Mohd Ismail (2017). Numerical simulation of unprotected solid steel beams at elevated temperatures. Paper presented at the Life-Cycle of Engineering Systems: Emphasis on Sustainable Civil Infrastructure - 5th International Symposium on Life-Cycle Engineering, IALCCE 2016, 1154-1161.

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https://www.taylorfrancis.com/chapters/edit/10.1201/9781315375175-161/numerical-
simulation-unprotected-solid-steel-beams-elevated-temperatures-ahmad-zakwan-
krishnamoorthy-ibrahim-mohd-ismail
```

Published Date: 16 October 2016

 Abdul Manaff Ismail, Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan and Badrul Nizam Ismail (2010). Implementation and assessment of outcome based education (OBE) in the faculty of civil engineering at universiti teknologi MARA (UiTM). Paper presented at the 2010 2nd International Congress on Engineering Education: Transforming Engineering Education to Produce Quality Engineers, ICEED2010, 211-214. <u>https://doi.org/10.1109/ICEED.2010.5940793</u>

Published Date: 5 July 2012

II(c). PROCEEDING CONFERENCES (OTHER INDEXES)

1. 2. 3.

III. CHAPTER IN BOOK

- Numerical Simulation of Unprotected Solid Steel Beams at Elevated Temperatures. Fariz Aswan Ahmad Zakwan, Renga Rao A/I Krishnamoorthy, Azmi Ibrahim and Abdul Manaff Bin Mohd Ismail, (2016) (2) 1.
- Compressive Behavior of Steel Fiber Reinforced Concrete After Exposed to High Temperatures. Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan, Clotilda Binti Petrus, Nur Ashikin Marzuki, Nor Hafida Binti Hashim and Muhammad Fahmi Mustafa, (2013) (2) 1.
- 3. The Effect of Steel Fibre on Flexural Strength Of Fibre Reinforcedconcrete At High Temperature Clotilda Binti Petrus, Ruqayyah Ismail, Fariz Aswan Ahmad Zakwan, Nur Ashikin Marzuki, Nor Hafida Binti Hashim and Khairil Imran Fadillah, (2013) (2) 1.

IV. BOOK



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2.	
3.	
VI.	GENERAL PUBLICATION
1.	
2.	
3.	
VII.	VISIBILITY THROUGH MEDIA
1.	
1. 2.	
	APPOINTMENT / ROLE IN JOURNAL
2.	APPOINTMENT / ROLE IN JOURNAL
2.	APPOINTMENT / ROLE IN JOURNAL
2. VIII.	APPOINTMENT / ROLE IN JOURNAL
2. VIII. 1.	APPOINTMENT / ROLE IN JOURNAL

F.	AWARDS AND RECOGNITIONS		
NO.		DETAILS	YEAR

5 - 6 September 2023 2022 11 - 15 October 2021 11 - 15 October 2021
2022 11 – 15 October 2021 11 – 15
11 – 15 October 2021 11 – 15
11 – 15 October 2021 11 – 15
October 2021 11 – 15
October 2021
11 – 15
October 2021
25 November
2020
29 October
2020



9.	Silver Medal Award in 'The 3 rd International Innovation, Invention and Design Competition 2020 Virtual IID (ICON 2020)'. Project Title: Calcine Ground Seashell Ash (CGSA-20): A New Green Admixture.	19 June – 15 November 2020
10.	Silver Medal Award in 'The 8 th International Innovation, Invention and Design Competition 2019 (INDES 2019)'.	19 November 2019
	Project Title: Carbon Fibre Reinforced Polymer (CFRP) Partial Confinement Design for RC Column Strengthening Mechanism.	
11.	Anugerah Penerbitan (Perak) – UiTM Cawangan Pulau Pinang	18 December 2019
12.	Anugerah Penerbitan (Perak) – UiTM Cawangan Pulau Pinang	18 December 2017
13.	Kategori Penerbitan Berprestij (Perak) – UiTM Cawangan Pulau Pinang	23 December
		2016
14.	Anugerah Penerbitan (Gangsa) – UiTM Cawangan Pulau Pinang	29 January
45	China Latikan Akadamik IDTA reginient (CLAI) 2014	2015
15.	Skim Latihan Akademik IPTA recipient (SLAI) 2014	2014
16.	Members of High Impact Research Grant for 1 FRGS grants	2014
17.	Anugerah Perkhidmatan Cemerlang 2013 (APC) Universiti Teknologi MARA	2013

G. MEDALS / COMPETITION

NO.	TYPE OF MEDAL/ AWARD/ ROLE	COMPETITION AND MAIN ORGANIZER	STAGE	YEAR
1.	Project i. Smart Alloy Strengthening for Reinforced Concrete Beam Strengthening Category: Professional and Academics - Innovation Medal: Bronze award Role: Project Leader	Innovation and Invention Challenge in Engineering and Technology 2023 (iiCET 2023).	International	5 – 6 September 2023
2.	Project i. Continuous Quality Improvement (CQI) Template For Outcome Based Education Implementation Category: Professional and Academics - Innovation Medal: Bronze award Role: Project Leader	Invention, Innovation and Design Exposition (IIDEX 2022).	International	21 – 25 November 2022
3.	Project i. Shape Memory Alloy Is The New Strengthening Material In Market Category: Professional and Academics - Innovation Medal: Bronze award Role: Member	Invention, Innovation and Design Exposition (IIDEX 2021).	International	11 – 15 October 2021
	ii. Compression Behaviour Of Concrete Cylinder With Partial			



	Carbon Fibre Reinforced Polymer (CFRP) Confinement Category: Professional and Academics - Innovation Medal: Silver award Role: Project Leader iii. Compressive Behaviour Of Different Configuration Of CFRP On RC Circular Columns Category: Professional and Academics - Innovation Medal: Silver award Role: Member			
4.	Project i. Self-Compacting Fibre Reinforced Concrete Ribbed Slab (SCFRC-RIB) Category: Professional and Academics - Innovation Medal: Silver award Role: Member ii. Calcined Ground Seashell Ash (CGSA-20): A New Green Admixture Category: Professional and Academics - Innovation Medal: Silver award Role: Member	3rd International Innovation, Invention and Design Competition 2020 Virtual IID (ICON 2020)	International	19 June – 15 November 2020
5.	Project i. Carbon Fibre Reinforced Polymer (CFRP) Partial Confinement Design for RC Column Strengthening Mechanism Category: Professional and Academics - Innovation Medal: Silver award Role: Member	The 8 th International Innovation, Invention and Design Competition (INDES 2019)	International	19 November 2019
6.	Project i. Continuous Quality Improvement (CQI) Template for Course Level at Faculty of Civil Engineering, UiTM Pulau Pinang Category: Professional and Academics - Innovation Medal: Gold award Role: Member	Innovation Practices in Higher Education Expo 2014 (I – PHEX 2014)	National	23 May 2014
7.	Project i. Student Learning Reflection Through Online Tool Category: Professional and Academics - Innovation Medal: Gold award	Invention, Innovation and Design Competition (IID Johor 2013)	National	19 September 2013





Role: Member

	ii. Continuous Quality Improvement Template for Teaching and Learning Category: Professional and Academics - Innovation Medal: Bronze award Role: Member			
8.	Project i. Enhancement of Continuous Quality Improvement Template for Teaching and Learning Category: Professional and Academics - Innovation Medal: Gold award Role: Head of team			
	ii. Hybrid Fibre Concrete at High Temperature Category: Professional and Academics - Innovation Medal: Bronze award Role: Head of team	International Invention, Innovation and Research Design Platform 2013 (IP 2013)	International	4 – 5 December 2013
	iii. Connection Design of Tunnel Form Wall-Slab Connection under Quasi-Static Lateral Cyclic Loading Category: Professional and Academics - Innovation			

H. CONFERENCES / SEMINAR

Role: Member

Medal: Bronze award

NO.	DETAILS	YEAR
1.	Presenter (Corresponding author). International Conference on Innovation and Technopreneurship (ICIT 2022), 22 – 23 September 2022	2022
	Paper Title: Numerical Simulation on the Behavior of Cellular Stainless-Steel Beam (CSSB) at Elevated Temperature	
2.	Presenter (Co Author). International Conference on Innovation and Technopreneurship (ICIT 2022), 22 – 23 September 2022	2022
	Paper Title: Model Prediction for Compressive Strength of a Fully Confined Concrete Cylinder with Carbon Fiber Reinforced Polymer	
3.	Presenter (Corresponding author). International Geo-Engineering Conference and Anti-Collapse Geostructure Competition (GEOFIESTA 2022), 20 – 21 July 2022	2022
	Paper Title: Numerical Investigation of Confine RC Column with Carbon Fiber Reinforced Polymer when expose to fire	
4.	Co-author. The 5th Symposium on Damage Mechanism in Materials and Structures (SDMMS 2021), 8 – 9 March 2021. Paper Title: Compressive strength of CFRP confined concrete	2021



under exposure to high temperature

	under exposure to high temperature	
5.	Presenter (Main author). The 3rd International Conference on Concrete Sustainability (fib ICCS2021), 8 – 10 September 2021.	2021
	Paper Title: 3D Finite Element Simulation of Reinforced Concrete Column Strengthened by Partially Confined Carbon Fibre Reinforced Polymer Under	
	Concentric Loading.	
6.	Co-author. The 3rd International Conference on Concrete Sustainability (fib ICCS2021), 8 – 10 September 2021.	2021
	Paper Title: Axial Behaviour of Strengthened Circular Hollow Reinforced	
	Concrete Column with CFRP Partial Confinement	
7.	Co-author. The 3rd International Conference on Concrete Sustainability (fib	2021
7.	ICCS2021), $8 - 10$ September 2021.	2021
	Paper Title: Comparative Flexural Performance of Steel Fibre Reinforced Self-	
0	Compacting Concrete (SCFRC) Ribbed Slab with Different Fibre Provision Area	0000
8.	Co-author. The 2 nd International Conference on Innovative Sciences and	2020
	Technologies for Research and Education Special Edition (InnoSTRE 2020	
	Special Edition), 25 – 26 November 2020.	
	Paper Title: Compression Behaviour of Concrete Cylinder with Confinement of	
	Carbon Fibre Reinforced Polymer (CFRP).	
9.	Co-author. The 2nd Joint International Conference on Emerging Computing	2019
	Technology and Sports 2019 (2ND JICETS 2019), 25 – 27 November 2019.	
	Paper Title: Application of shape memory alloys (SMA) as a retrofit and	
	strengthening component on reinforced concrete columns:	
	Review Paper	
10.	Presenter (Co-author). The 7 th International Conference of Euro Asia Civil	2019
	Engineering Forum Stuttgart, Germany, 30 September – 2 October 2019	
	Paper Title: Experimental study of circular hollow reinforced concrete column	
	strengthened with partial Carbon Fibre Reinforced Polymer (CFRP)	
	confinement	
11.	Presenter (Main author). The 2 nd Global Congress on Construction, Material	2019
	and Structural Engineering (GCoMSE 2019), 26 – 27 August 2019	
	Paper Title: Finite Element Analysis of Coated (Intumescent Coating	
	Protection) Cellular Steel Beam (CSB) Expose to Fire	
12.	Presenter (Main author). The 2 nd Global Congress on Construction, Material	2019
	and Structural Engineering (GCoMSE 2019), 26 – 27 August 2019	
	Paper Title: Finite Element Analysis of Coated (Intumescent Coating	
	Protection) Cellular Steel Beam (CSB) Expose to Fire	
13.	Presenter (Main author). 1 st International Congress On	2017
	Innovations in Civil Engineering (ICE 2017), 15 – 17 November 2017	
	Paper Title: A Finite Element (FE) simulation of naked solid steel beam at	
	elevated temperature	
14.	Presenter (Main author). 4th International Civil and Infrastructure Engineering	2017
	Conference (INCIEC 2017), 7 – 9 August 2017	
	Paper Title: Performance based approach of cellular steel beam (CSB) under	
	fire exposure	
15.	Presenter (Main author). The 7 th International Conference on Postgraduate	2016
	Education (ICPE 2016), 1 December 2016	
	Paper Title: Vierendeel bending failure mechanism of cellular steel beams	
	(CSBs) when expose to fires: A review	
16.	Presenter (Main author). 4th International Conference on Advances in	2015
	Mechanical Engineering (ICAME 2015), 26 – 27 August 2015	



Paper Title: Fire Resistance Performance of Cellular Steel Beam (CSB) at Elevated Temperatures

- Presenter (Co-author). The International Civil and Infrastructure Engineering 2013 Conference (InCIEC 2013), 22 – 24 September 2013 Paper Title: The Effect of Steel Fibre On Flexural Strength Of Fibre Reinforced Concrete High Temperature.
- Co-author. The International Civil and Infrastructure Engineering Conference 2013 (InCIEC 2013), 22 – 24 September 2013
 Paper Title: Compressive Behavior of Steel Fiber Reinforced Concrete After Exposed to High Temperatures.
- Presenter (Co-author). National Student Development Conference 2010 2010 (NASDEC 2010), 21 – 22 December 2010
 Paper Title: Monitoring Student Development Progress Through the Program Outcomes in Faculty of Civil Engineering, UiTM Cawangan Pulau Pinang.

I. CONSULTANCY

NO.	D. DETAILS				YEAR		
1.	Tensile Test for Reinford	cement Bar for	r SLS /	ALPHA	ENGINEERING	&	OCTOBER
	CONSTRUCTION SDN. B	HD.					2018
	Project value: RM 560.00						

J. INTERNAL APPOINTMENT

I.	APPOINTMENT BY UITM MANAGEMENT / DIVISION	YEAR
1.	Committee Member of International	2023 - 2025
2.	Committee Member of the Program Management and Postgraduate Students	2023 - 2025
3.	Curriculum Review Work Paper Document Provider CEEC701, CEEC702, CEEC703, CEEC704, CEEC705 And CEEC706 Year 2023	2023
4.	Panel Examiner and Chairman: Postgraduate Master Mock Viva-Voce Series 1 (February)	2022
5.	Resource Person Bagi Program Ijazah Sarjana Muda Kejuruteraan Awam (Infrastruktur) – Civil Engineering Materials Course	2022
6.	Ahli Jawatankuasa Masmed Universiti Teknologi MARA Cawangan Pulau Pinang	2021 - 2022
7.	Resource Person Bagi Program Ijazah Sarjana Kejuruteraan (Disaster Management Course)	2022 - 2023
8.	Pensyarah Penyelia Latihan Industri Ijazah Sarjana Muda Kejuruteraan Awam (Infrastruktur) (Kep.) EC221 bagi tahun 2021	2021
9.	Panel Examiner and Chairman: Postgradutae PhD (EC950) Mock Defence of Research Proposal Series 5 (November 2021)	2021
10.	Panel Examiner for Postgraduate Pre PhD Mock Viva-Voce Series 2 (March 2021) of Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang.	2021
11.	Developer Course of Massive Open Online Course (MOOC) of Universiti Teknologi MARA	2019



12.	Vice Chairman of UiTM Examination Unit, Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (2013 - 2014)	2013 - 2014
13.	Coordinator of ECS228 course of EC110 for Faculty of Civil Engineering, UiTM Cawangan Pulau Pinang	2012
14.	Committee Provider of Self Review Portfolio (SRP) for UiTM Cawangan Pulau Pinang	2010
II.	APPOINTMENT BY UITM FACULTY / STUDENT EVENTS	YEAR
1.	Pengarah Program bagi Program 'Civil Engineer Entrepreneur Day (CEED) 2022 anjuran Pengajian Kejuruteraan Awam, Universiti Teknologi MARA Cawangan Pulau Pinang	2022
2.	Pensyarah Jemputan (Topik: Introduction to ABAQUS for FYP Student) kepada para pelajar bagi Projek Tahun Akhir Pelajar (FYP) bagi Semester Oktober 2021 – February 2022	2022
3.	Timbalan Pengarah Program bagi Program Industrial Talk with Industry Advisory Panel (IAP) anjuran Fakulti Kejuruteraan Awam Universiti Teknologi MARA Cawangan Pulau Pinang.	2021
4.	Pensyarah Jemputan (Topik: Introduction to ABAQUS for FYP Student) kepada para pelajar bagi Projek Tahun Akhir Pelajar (FYP) bagi Semester Oktober 2020 – February 2021	2021
5.	Head of ETAC AND Alumni EC110, School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (2020)	2021
6.	Committee of OBE Unit, School of Civil Engineering, College of Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (2020)	2021
7.	Co-Supervisor Appointment for Final Year Project 1 (FYP 1) of Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (Semester March – July 2021).	2021
8.	Panel Presentation 1 Appointment for Final Year Project 2 (FYP 2) of Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (Semester March – July 2021).	2021
9.	Head of ETAC AND Alumni EC110, Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (2020)	2020
10.	Committee Member of Strategic Planning, Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (Semester October 2020 – February 2021).	2020
11.	Panel Presentation 1 Appointment for Final Year Project 2 (FYP 2) of Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (Semester October 2020 – February 2021).	2020
12.	Panel Presentation 2 Appointment for Final Year Project 2 (FYP 2) of Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (Semester October 2020 – February 2021).	2020
13.	Panel Report 2 Appointment for Final Year Project 2 (FYP 2) of Faculty of Civil Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (Semester October 2020 – February 2021).	2020



14.	Supervisor Appointment for Final Year Project 2 (FYP 2) of Faculty of Civil	2020
	Engineering, Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus	
	Permatang Pauh, Pulau Pinang (Semester October 2020 – February 2021).	

- Head of Audit EC110 Program, Faculty of Civil Engineering, Universiti Teknologi
 MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang
 (2019 2020)
- Committee Member of Quality Unit, Faculty of Civil Engineering, Universiti 2019 Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (2018 - 2020)
- Vice Chairman of UiTM Examination Unit, Faculty of Civil Engineering, 2014 Universiti Teknologi MARA, Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang (2013 - 2014)
- 18. Coordinator of Final Examination and Special Examination 1, Faculty of Civil 2013 Engineering, UiTM Cawangan Pulau Pinang
- 19. Academic Advisor for Diploma and Degree students, UiTM Cawangan Pulau 2007 2021 Pinang
- 20. Final exam questions maker for ECS228, ECS256, CES422 and ECS424 of 2009-2019 Diploma and Degree level

K. SPEAKER / FACILITATOR / JUDGE / REVIEWER (INTERNAL AND EXTERNAL)

NO.	DETAILS	YEAR
1.		
2.	Reviewer Journal Paper for Journal of Building Engineering (4 March 2023) Paper Title: An	2023
3.	Reviewer Journal Paper for Journal of Engineering (JURNAL KEJURUTERAAN) (5 September 2023)	2023
	Paper Title:StructuralPerformanceEvaluationofHorizontallyLightReinforced Dapped for Vertical Wall-To-Wall Connection of Precast Wall Panel	
4.	Reviewer Journal Paper for Journal of Building Engineering (4 March 2023) Paper Title: Study on the impact resistance of steel fiber-reinforced self- compacting concrete after high temperature	2023
5.	Reviewer Journal Paper for Scientific Research Journal. (11 May 2023) Paper Title: Effect of Alkali Activator Content on The Compressive strength And Bonding Strength of Geopolymer Concrete	2023
6.	Reviewer Journal Paper for Journal of Building Engineering (8 May 2023) Paper Title: Experimental Study and Modeling on Bond-Slippage Behavior of Steel Bar in Polyvinyl Alcohol-Steel Hybrid Fiber Engineered Cementitious Composite	2023
7.	Reviewer Journal Paper for Journal of Building Engineering (4 March 2023) Paper Title: An energy-based criterion for predicting the early-age crack initiation and its application in long concrete walls	2023
8.	Reviewer Journal Paper for World Journal of Engineering (2 February 2023)	2023
9.	Reviewer Conference Paper for 4 th International Conference on Civil and Environmental Engineering (ISCEE 2022) (3 October 2022)	2022
10.	Reviewer Conference Paper for 2022 International Conference on Education in Engineering Science and Mathematics (ICESM 2022) (13 September 2022) Paper Title: A Study on Effectiveness of Industrial Talk Approaches for Geology Course	2022
11.	Reviewer Journal Paper for ESTEEM Academic Journal (15 August 2022)	2022



	Paper Title: Automatic Reinforced Concrete Surface Damage Indentification	
40	Performance by using the Discrimant Classifier Analysis	0000
12.	Panel Penilai Geran Peyelidikan Peringkat UiTM Cawangan Pulau Pinang 2022 (11 February 2022)	2022
13.	Reviewer Journal Paper for Journal of Engineering, Design and Technology	2022
10.	(6 January 2022)	2022
	Paper Title: Low velocity impact study of a sandwich beams using	
	Ritz method and finite element modelling	
14.	Reviewer Journal Paper for Structure and Infrastructure Engineering (20	2021
	November 2021)	
	Paper Title: Numerical Analysis-based Structural Behavior Assessment of	
	Cable-Stayed Bridge under Tanker Fire	
15.	Reviewer Conference Paper for The International Conference on Advances	
	in Civil Engineering and Science Technology (ICACEST 2021) – 1 September	
	2021	
16.	Reviewer Journal Paper for Journal of Structural Fire Engineering (17 June	2021
	2021). Rener Titles Effects of Fourte in The Application of Fire Detendents In	
	Paper Title: Effects of Faults in The Application of Fire Retardants In Correlation With The Efficiency Of Fire Retardant Materials On Fire	
	Performance.	
17.	Speaker for Webinar: Introduction to ABAQUS FEA Workshop organized by	2021
	Faculty of Civil Engineering, UiTM Cawangan Pulau Pinang (3 June 2021)	2021
18.	Reviewer Journal Paper for World Journal of Engineering (28 April 2021).	2021
	Paper Title: Influence of spacing between CFRP strips on the behavior of	
	strengthened concrete slabs.	
19.	External Reviewer Technical Paper in the 3rd International Symposium on	2020
	Civil and Environmental Engineering (ISCEE 2020) (1 – 2 December 2020)	
20.	Judge for 9 th International Invention, Innovation and Design 2020	2020
04	(INDES2020) appointed by UiTM Cawangan Perak (3 November 2020)	0000
21.	Reviewer Journal Paper for Journal of Engineering, Design and Technology (20 October 2020)	2020
	(20 October 2020) Paper Title: Simulation and Analysis of the Effects of Room Surface	
	Reflectance Combinations on a Proposed Retrofit Illumination System of an	
	Office.	
22.	Reviewer Journal Paper for Journal of Engineering, Design and Technology	2020
	(4 August 2020)	
	Paper Title: Finite Element Analysis of Ports Pavement under Container	
	Loading.	
23.	Judge for Concrete Pontoon Competition 2013 organized by Faculty of Civil	2013
. .	Engineering, UiTM Cawangan Pulau Pinang	
24.	Judge for Program Water for Life Race' organized by Faculty of Civil	2009
	Engineering, UiTM Cawangan Pulau Pinang	

L. EXTERNAL APPOINTMENT AS PROGRAM EVALUATOR (DIPLOMA\DEGREE\MASTER)

NO.	DETAILS					YEAR			
1.	External	Examiner	for	'Program	Teknologi	Pembinaan	bagi	Kursus:	25 June – 31
	Fundame	ntal of Mech	anic	s Structure	(DCA 3123)', Kolej Voka	isional	Kangar.	December
	Kangar, P	Perlis, Malay	sia.						2020

M. EXTERNAL APPOINTMENT AS EXAMINER (MASTER/PHD)



NO.	DETAILS	YEAR

1.

N. SOCIETY / COMMUNITY / NGO / OTHER ORGANIZATIONS

NO.	DETAILS	YEAR
1.	Persatuan Ibu Bapa dan Guru (PIBG) Committee of Sekolah Kebangsaan Stowell, Bukit Mertajam, Pulau Pinang	2022
2.	Ahli Jawatankuasa Program 'Free Market 3.0 Ramadhan Raya' UiTM Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang	13 April 2022
3.	Program Khidmat Masyarakat 'Kami Prihatin 5.0'	18 April 2022
4.	Program Khidmat Masyarakat Pengajian Kejuruteraan Awam (PKA) 2021	2 November 2021
5.	Persatuan Ibu Bapa dan Guru (PIBG) Committee of Sekolah Kebangsaan Stowell, Bukit Mertajam, Pulau Pinang	1 January - 31 December 2021
6.	Persatuan Ibu Bapa dan Guru (PIBG) Committee of Sekolah Kebangsaan Stowell, Bukit Mertajam, Pulau Pinang	1 January – 31 December 2020
7.	Volunteer for 'Projek Greenation@UiTM Pulau Pinang bagi Fakulti Kejuruteraan Awam' at UiTM Cawangan Pulau Pinang, Kampus Permatang Pauh, Pulau Pinang.	1 September – 31 October 2020
8.	Volunteer for 'Program Khidmat Masyarakat FKA 2014 (Projek Teduhan Kasih)' at Pondok Hajah Khadijah, Pokok Sena, Pulau Pinang	2014
9.	Volunteer for 'Program Khidmat Masyarakat' at Pertubuhan Perlindungan Kanak-Kanak Pulau Pinang	2013
10.	Volunteer for 'Program Khidmat Masyarakat Fakulti Kejuruteraan Awam' at Pantai Bersih, Pulau Pinang	2012
11.	Volunteer for 'Program Khidmat Masyarakat Mega 2012' at Perkampungan Orang Asli, Kuala Boh, Cameron Highlands	2012
12.	Committee for 'Program Khidmat Masyarakat Mega 2012' at Perkampungan Orang Asli, Kuala Boh, Cameron Highlands	2012
13.	Volunteer for 'Ekspo Selangkah ke UiTM 2010 at Dewan Milineum, Kepala Batas, Pulau Pinang.	2010
14.	Volunteer for 'Karnival Pengajian Tinggi 2011' at PISA, Pulau Pinang	2011
15.	Committee for 'Program Khidmat Masyarakat Orang Asli' at Kampung Air Bah, Gerik, Perak	2009
16.	Committee for 'Nur Ramadhan Mini Library for Charity' at Hotel UiTM Cawangan Pulau Pinang	2009

O. REVIEWED PAPERS

NO.	DETAILS	YEAR
	Proceeding (Index and Non-index)	
1.	4 th International Symposium on Civil and Environmental Engineering (ISCEE 2022) – (3 - 4 October 2022)	2022
2.	The International Conference on Advances in Civil Engineering and Science Technology (ICACEST 2021) – 1 September 2021	2021



- 3rd International Symposium on Civil and Environmental Engineering (ISCEE 2020) 2020) (1 – 2 December 2020)
- 4. The Utilization of Lapindo Powder as a Material for High Strength Concrete 2020 International Conference on Sustainable Construction and Structures (ISuCOS 2020)

Chapter in Book

- Co-author. The International Civil and Infrastructure Engineering Conference 2013 (InCIEC 2013), 22 – 24 September 2013
 Paper Title: The Effect of Steel Fibre On Flexural Strength Of Fibre Reinforced Concrete High Temperature.
 Co. author. The International Civil and Infrastructure Engineering Conference 2012
- Co-author. The International Civil and Infrastructure Engineering Conference 2013 (InCIEC 2013), 22 – 24 September 2013
 Paper Title: Compressive Behavior of Steel Fiber Reinforced Concrete After Exposed to High Temperatures.

Journal (Index or Referred)

1.	Structural Performance Evaluation of Horizontally Light Reinforced Dapped for Vertical Wall-To-Wall Connection of Precast Wall Panel - Journal of Engineering (JURNAL KEJURUTERAAN) (Refereed)	2023
2.	Study on the impact resistance of steel fiber-reinforced self-compacting concrete after high temperature - Journal of Building Engineering (Refereed)	2023
3.	Effect of Alkali Activator Content on The Compressive strength And Bonding Strength of Geopolymer Concrete - Scientific Research Journal (Refereed)	2023
4.	Experimental Study and Modeling on Bond-Slippage Behavior of Steel Bar in Polyvinyl Alcohol-Steel Hybrid Fiber Engineered Cementitious Composite - Journal of Building Engineering (Refereed)	2023
5.	An energy-based criterion for predicting the early-age crack initiation and its application in long concrete walls - Journal of Building Engineering (Refereed)	2023
6.	Automatic Reinforced Concrete Surface Damage Indentification Performance by usingthe Discrimant Classifier Analysis - ESTEEM Academic Journal	2022
	(Refereed)	
7.	Low velocity impact study of a sandwich beams using Ritz method and finite element modelling - Journal of Engineering, Design and Technology	2022
	(Refereed)	
8.	Numerical Analysis-based Structural Behavior Assessment of Cable-Stayed Bridge under Tanker Fire - Structure and Infrastructure Engineering	2021
	(Refereed)	
9.	Effects of Faults in The Application of Fire Retardants In Correlation With The Efficiency Of Fire Retardant Materials On Fire Performance - Journal of Structural Fire Engineering (Refereed)	2021
10.	Influence of spacing between CFRP strips on the behavior of strengthened	2021
10.	concrete slabs - World Journal of Engineering (Refereed)	2021
11.	Finite Element Analysis of Ports Pavement under Container Loading - Journal	2020
	of Engineering, Design and Technology (Refereed) (Refereed)	
12.	Simulation and Analysis of the Effects of Room Surface Reflectance Combinations on a Proposed Retrofit Illumination System of an Office – Journal of Engineering, Design and Technology (Refereed)	2020

P. LIST OF ATTENDED RESEARCH WORKSHOPS



NO.	DETAILS	
1.	Roles and Responsibilities of Undergraduate Research Supervisor	2020
2.	Getting into The Publishing GMAE: Tips and Strategies" Online Webinar	2020
3.	Webinar Taklimat Program Konsortium Kecemerlangan Penyelidikan (KKP) 2020	2020
4.	Evaluating Thesis for Master by Research: Engineering & Sciences organized by Online Webinar IPSIS, UiTM	2020
5.	Writing Workshop "Academic Writing for Career Enhancement organized by UiTM Cawangan Pulau Pinang	2019
7.	Bengkel PAIR2PUBLISH 1/2018 organized by ILD Bandar Enstek, Nilai, Negeri Sembilan	2018
8.	Bengkel Penulisan organized by UiTM Cawangan Pulau Pinang	2018
9.	Thesis BootCamp organized by ILD Bandar Enstek, Nilai, Negeri Sembilan	2018
10.	Emerging Research Leaders Series (ERLS) organized by ILD Bandar Enstek, Nilai, Negeri Sembilan	2018
11.	Bengkel 'Tips and Trick To Get The Most From ScienceDirect Database And Ebooks' organized by Pusat IT, PTAR 1, UiTM, Shah Alam	2015
12.	TAKLIMAT GERAN PENYELIDIKAN PEMBANGUNAN PROTOTAIP (PRGS) 2015 SESI 1 (S&T) organized by JPBSM, UiTM Shah Alam	2015
13.	Data Analysis Using SPSS organized by PTAR 1, UiTM Shah Alam	2015
14.	High Impact Publication (HIP) organized by iLQAM, UITM Shah Alam	2015
15.	Bengkel Penulisan Akademik organized by UiTM Cawangan Pulau Pinang	2014
16.	Kursus 'Coaching On How To Write A Convincing Research Proposal' organized by UiTM Cawangan Pulau Pinang	2014
17.	Bengkel Reference Manager: Mendeley organized by UiTM Cawangan Pulau Pinang	2014
18.	Writing PHD Research Proposal organized by UiTM Cawangan Pulau Pinang	2012
19.	Kursus EndNote organized by iLQAM, UiTM Shah Alam	2012
20.	Academic Writing organized by UiTM Shah Alam	2011
21.	Kursus PhD On Time organized by iLQAM, UiTM Shah Alam	2011
22.	Kursus EndNote organized by iLQAM, UiTM Shah Alam	2009
23.	Kursus SPSS organized by iLQAM, UiTM Shah Alam	2009
24.	Kursus MS Word organized by iLQAM, UiTM Shah Alam	2009
25.	Kursus MS PowerPoint organized by iLQAM, UiTM Shah Alam	2009
26.	Kursus MS Windows Operating System organized by iLQAM, UiTM Shah Alam	2009
27.	Kursus Project & Coursework Supervision organized by iLQAM, UiTM Shah Alam	2008



NO.	DETAILS	CONTACT
1.	Prof. Ts. Dr. Che Khairil Izam Bin Che Ibrahim Head of School of Civil Engineering Universiti Teknologi MARA 40450 Shah Alam Selangor	(+603) 55435237/6413
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