

Mohammad Tazli Azizan

Associate Professor &
T&L Pedagogy Expert



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About Me

I serve as an instructor for fellow educators, a facilitator for trainers, a guide for coaches, and a mentor for mentors. I specialize in utilizing critical thinking, creativity, communication, and collaboration to enable individuals to learn in diverse and impactful ways. My approach is rooted in fostering teamwork skills, nurturing creativity, instilling values, and inspiring individuals across all settings.

Work Experience



Co-Founder & CEO, Skolar Sdn Bhd (Skolar Malaysia)

February 2024 - Present

- Created personalized training modules for educators, delivering over 300 webinars and in-person workshops to date on pedagogy, Canva & AI.
- Empowered the educators' community to adopt technology enhanced student-centered learning approaches.
- Served as content creator focused on educational resources for both educators and students.
- Accredited Trainer by HRDC.



Associate Professor,

Center for Lifelong Learning (C3L), Universiti Brunei Darussalam

July 2023 - July 2026

- Develop training and microcredential modules for C3L.
- Conduct research on lifelong learning, digital learning, and the integration of Generative AI in teaching and learning.
- Lead workshops on utilizing generative AI to enhance daily productivity and educational practices.
- Collaborate with various stakeholders to initiate networking opportunities.



Associate Professor,

Faculty of Chemical Engineering Technology, Universiti Malaysia Perlis

January 2021 - December 2021 (1 year)

- Served as a member of the think-tank group for the Academic Management Committee (AMC), reporting to the Director of the Academic Management Department.
- Delivered 25 online webinars covering topics such as Higher Order Thinking Skills (HOTS) Assessments, Alternative Assessments, Humanizing Learning, Empathetic Online Teaching and Learning Strategies, and Promoting Cognitive Engagement through Online Learning.
- Appointed to the Experiential Learning and Competency-Based Education Landscape (EXCEL) Taskforce, reporting to Bahagian Pembangunan Akademik, KPT (March 2021 – December 2021).
- Taught four modules (Heat Transfer, Thermodynamics, Reaction Engineering, and Design Project) with a teaching rating exceeding 90%.
- Published seven articles in high-impact journals and one book chapter.
- Achieved 932 citations with an h-index of 18 as of 2022, according to Google Scholar.

Work Experience (cont.)



Associate Professor
Chemical Engineering Department
Universiti Teknologi PETRONAS
December 2017- December 2020 (3 years)

- Published 15 articles in reputable journals and proceedings relating to T&L and biofuel production.
- Published 1 book chapter on T&L and also as one of the editors of book titled Envisioning Teaching and Learning in Higher Education
- Secured approximately RM500k as grant for biomass-based and teaching and learning related research.
- Taught modules such as Sustainable Engineering and Reaction Engineering.



Chief Executive Officer (CEO) (Secondment)
Digital Perak Corporation Holdings (DPCH)
Formerly known as K-Perak Implementation and Coordination Corporation
April 2019- December 2019 (9 months)

- Seconded from UTP to this state GLC to lead the company on ICT and Telecommunication initiatives of the Perak state.
- Changed the working culture from cost-centered to revenue generation.
- Developed the strategic direction and blueprint for Digital Perak post rebranding of DPCH
- Developed DPCH core values (PRICE – Professional, Respect, Integrity, Creative & Efficient) and implementation strategies.
- Facilitated the telecommunication industries to enhance the telco facilities in Perak
- Led several initiatives for the Perakians such as Hub Inovasi & Multimedia at Mydin@Meru, which comprises of computer training center, makerspace, co-working spaces, green screen studio and arena for the use of the public at nominal charges,
- Secured grants from the state to develop augmented reality tourism apps.



Director
Center for Excellence in Teaching and Learning (CETaL),
Universiti Teknologi PETRONAS
September 2014 - February 2019 (4 years 5 months)

- Spearhead a research and service center in UTP aims for teaching & learning innovation among academic faculty members pertinent to three main areas: Scholarship of Teaching & Learning (SoTL), Enabling Learning and Enabling Technologies (ET) since its establishment
- Developed the centre as a catalyst to accelerate the transformation at the university in 21st century teaching and learning
- Empowered the pedagogical transformation conducted at UTP from teacher centred towards learner centred
- Brought meaningful and impactful experience to the students and the educators.
- Initiated annual teaching and learning festival (TLIF) to celebrate the innovative educators

Work Experience (cont.)



Senior Lecturer

Chemical Engineering Department,
Universiti Teknologi PETRONAS

July 2014 - November 2017 (3 years 4 months)

- Taught modules such as Reaction Engineering, Health Safety and Environment (HSE)
- Conducted research on biomass production especially biofuels development and hydrogen production
- Published 24 journal articles and conference proceedings

Lecturer

Chemical Engineering Department,
Universiti Teknologi PETRONAS

October 2005 - June 2014 (8 years 9 months)

Relevant Skills

- Teaching, Training and Facilitating Skills with various pedagogical approaches
 - *Active Learning*
 - *Team-Based Learning*
 - *Problem-Based Learning*
 - *Flipped Classroom*
 - *Project-Based Learning*
 - *AI Tools in T&L, Research & Improving Productivity*
- Coaching and Mentoring Others
- Canva for Educators, Entrepreneurs & Corporate
 - *Collaboration with Canva*
 - *Canva for Marketing*
- Pitching and Presentation Skills
- Creative Ideation
 - *Design Thinking Strategies*
 - *Problem Solving Skills*
- Networking and Negotiation Skills

Education History



PhD in Chemical Engineering

Institution: Imperial College London, United Kingdom

Year of Graduation: 2014

- Thesis Title: Oxygenated Hydrocarbons Steam Reforming for Hydrogen Production
- Scholarships: Commonwealth Scholarships United Kingdom (CSCUK)
- Supervisor(s): Professor Klaus Hellgardt / Professor David Chadwick



MSc in Sustainable Chemical Engineering

Institution: University of Newcastle upon Tyne

Year of Graduation: 2005

- Distinction
- Scholarships: Universiti Teknologi PETRONAS



BEng in Chemical Engineering

Institution: University of Sheffield

Year of Graduation: 2003

- First Class Honours
- Scholarships: Majlis Amanah Rakyat (MARA)

Interests and Affiliations

Canva Verified Expert & Canva Certified Community Trainer

Since 2023 - present

Appointed as one of Canva Verified Experts and being in a part of 46 Canva Verified Experts worldwide, sharing various benefits of utilizing Canva to Malaysian communities.

Chairman of Parent - Teacher Association

Institution: Sekolah Kebangsaan Seri Iskandar, Seri Iskandar

2015 to 2018

Institution: Sekolah Kebangsaan Meru Raya, Ipoh

2019 to 2020

Assisted above schools to get funding for education-related activities and supporting the school children to get extra exposure via various activities conducted at school

Vice President

Society of Engineering Education Malaysia (SEEM)

2018 to 2022

Built networking among engineering education practitioners to improve teaching practices and developing them towards becoming scholarly educators

Member

National Educational Policy Reform Taskforce - Jawatankuasa Kajian Dasar Pendidikan Negara (JKDPN)

2018-2019

Appointed by the former Malaysia education minister to propose for changes in education system among other 13 members.

Achievements

Award of Excellence in E-Learning

Global TechLearn Congress in conjunction with World Education Congress
Mumbai, India
2018

Finalist

Anugerah Khas Menteri Pengajian Tinggi (AKRI): Immersive Teaching Category
2018

Finalist

IchemE Malaysia's Training and Development Award
Joint collaboration between Universiti Teknologi PETRONAS and Universiti Teknologi Malaysia (UTM)
2017

Gold & Silver Medal

International Innovative Practice at Higher Education Exhibition, UTM KL
2017

Gold & Bronze Medal

International Universities Carnival in E-learning (IUCEL), Universiti Sains Islam Malaysia (USIM)
2017

Champion

Quranic Murattal and Oratory Competition at Majlis Tilawah Al-Quran PETRONAS National Level
KLCC
2016

National Outstanding Educator Award

Private Education Excellence Awards 2016, awarded by Malaysia Private Education Cooperative
2016

Most Promising Junior Researcher Award

Universiti Teknologi PETRONAS Quality Day
2008

Gold & Silver Medal

56th Belgian and International Trade Fair for Technological Innovation, EUREKA
2007

Referees

PROFESSOR TS. DR MOHAMED IBRAHIM ABDUL MUTALIB

Vice Chancellor,
Universiti Teknologi PETRONAS,
32610 Bandar Seri Iskandar, Perak Darul Ridzuan
ibrahmat@utp.edu.my

PROFESSOR IR DR MOHD RIZAL ARSHAD

School of Electrical and Electronic Engineering,
Universiti Sains Malaysia
Eerizal@usm.my

PROFESSOR KLAUS HELGARDT

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Imperial College London
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PROFESSOR DAVID CHADWICK

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DR NIK ANI AFIQAH BT HJ MOHAMAD TUAH

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