

Dr. Aishah binti Abu Bakar

Faculty Development Officer (Associate Professor)

Center for Excellence in Teaching and Learning (Department of Civil and Environmental Engineering))..

كلية الهندسة والعمارة

جامعة نزوى، سلطنة عمان

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موقع المكتب: CETL, Level 1, Chancellor`s Office Building....

يعمل في الجامعة: منذ 2025

الحالة الاجتماعية: .....

Dr. Aishah Abu Bakar is a higher education educator, academic developer, and researcher with extensive experience in teaching and learning, curriculum development, quality assurance, assessment, and academic leadership. She earned her PhD in Geotechnical Engineering from the University of Manchester in 1999 and began her academic career at the University of Malaya, where she served in the Department of Civil Engineering for more than two decades. Her commitment to teaching excellence was recognised with the National Teaching Award for the Engineering Cluster at the inaugural National Academic Award 2006, presented by the Ministry of Higher Education Malaysia, followed by the University of Malaya Chancellor’s Award for Excellence in Teaching in 2007.Throughout her career, Dr. Aishah has contributed extensively to curriculum development and quality assurance at institutional, national, and international levels. She served as an expert panel member and contributor to the Malaysian Qualifications Agency’s Guidelines, Code of Practices and Frameworks. Guidelines on Good Practices: Curriculum Design and Delivery (CDD), Standards for Undergraduate Programme, Malaysia Qualification Framework 2.0 were some of many other documents which she had direct contribution. Her scholarship in higher education focuses particularly on e-assessment, instructional and curriculum design, and the Scholarship of Teaching and Learning (SoTL). The E-Assessment in Tertiary Learning (EASTeL), The Two-Steps Approach In Preserving An Online Examination Integrity have been copyrighted and received numerous national and international recognitions. She subsequently contributed her expertise in this area through training, workshops, consultations to faculty through Action Research Projects leading to publications and awards received by participated institutions. At the University of Malaya, Dr. Aishah served as Head of the Teaching and Learning Unit at the Academic Development Centre (ADeC), where she pioneered learning-space initiatives and established four cohorts of University of Malaya Action Research (UMAR) groups. She subsequently expanded her contribution nationally as a module developer and master trainer for SoTL and Instructional Design Strategy (IDS) programmes under the Malaysian Academy of Leadership in Higher Education. As Director of ADeC, she also established the University of Malaya Learning Innovation and Teaching Enhancement Research Grant (UMLiTeR). Dr. Aishah was twice seconded to the Ministry of Higher Education Malaysia, where she served as the Director of the Academic Development Management Division, Department of Higher Education. In this capacity, she contributed to national higher education policies and initiatives aligned with the Malaysian Higher Education Blueprint 2015–2025, particularly in

the areas of holistic graduate development, TVET, and globalised online learning. Her contributions included the development of national guidelines and initiatives such as 2u2i, Mata Pelajaran Umum 2.0, Garis Panduan Pembangunan Program Akademik 2.0, Framing Higher Education 4.0, Flexible Education, Higher Education Curriculum 4.0, Liberal Education 2.0, TVET Teacher Standards, Malaysian English Assessment, ASEAN Student Mobility, and Transnational Education. In 2020, Dr. Aishah joined Universiti Malaysia Pahang Al-Sultan Abdullah (UMPSA) as Director of the Centre for Instructional Resources and e-Learning (CIReL). She contributed to the university's e-learning ecosystem, blended learning initiatives, micro-credentials, and teaching and learning development. Her research and professional interests during this period included digital assessment, authentic online assessment, and SoTL, alongside extensive involvement in staff development at institutional, national, and international levels. Her recent contributions include work on the General Academic Programme Standards (MQA), Malaysian Digital Framework for Educators (MOHE), Transformative Curriculum Design and Management, SoTL, Authentic Online Examination initiatives, and STEM Learning Unit Integration under the SEAMEO-RECSAM SEA-TEP programme.Since 2025, Dr. Aishah has been with the **University of Nizwa, Sultanate of Oman**, serving as a Faculty Development Officer at the Centre for Excellence in Teaching and Learning (CETL). She currently leads and supports university-wide faculty development initiatives, including the **Certificate in Higher Education Teaching and Learning (CHETL), Faculty Associates Training of Trainers (FAToT), and Researching Teaching/SoTL initiatives**. She also contributes to teaching and academic development in the Department of Civil and Environmental Engineering, College of Engineering and Architecture. Dr. Aishah's professional passion lies in developing educators, strengthening teaching quality, advancing meaningful assessment, and building a culture of evidence-informed teaching and educational scholarship.

المؤهلات الأكاديمية

PhD in Geotechnical Engineering، University of Manchester, United Kingdom، 1999

MSc. in Concrete Technology, Construction and Management، University of Dundee, Scotland، 1992

BSc. (Hons) in Civil Engineering، University of Dundee, Scotland.، 1991

أنشطة التدريس

CIVL212 Civil Engineering Materials، 2025 - now

الأنشطة البحثية

الاهتمامات البحثية –

Instructional Design and Curriculum Development in Higher Education

Digital ad Authentic Assessment in Higher Education

Scholarship of Teaching and Learning - Action Research

Concrete Materials in Civil Engineering Work

Geotechnical Engineering

العرض في المؤتمرات –

New to Researching Teaching – Seeing the Problem, Finding the Lens، International Conference of Multidisciplinary Action Research 2026 (ICMAR2026) ، Kolej Poly-Tech MARA Kuantan, Malaysia - hybrid، 12/06/2026

Oman Action Research Experiences، International Conference of Multidisciplinary Action Research 2026 (ICMAR2026) ، Kolej Poly-Tech MARA Kuantan, Malaysia- hubrid، 11/06/2026

Teaching with AI – The PAIR Framework ، College of Engineering and Architecture Seminar، University of Nizwa، 21/05/2026

Effect of Tin Tailing as Fine Aggregate Replacement on Compressive strength and Fire Resistance of Mortar ، International Conference on Creative Engineering and Emerging Technologies (ICCEET 2026)، University of Nizwa ، 27/04/2026

Guidelines for Course Design, Development, Approval and Review، The University of Nizwa Second Faculty Summit، University of Nizwa، 24/11/2025

المنشورات –

مقال:

1. 2026 A review of expansive soil improvement for highway subgrade construction in the Gulf countries: practices and future directions.، Abdalrhman Milad, Arwa Yaqoub Al Rahbi, Husam Al (Dughaishi, Fahad Fahar Al Riyami & Aishah Abubakar, Innov. Infrastruct. Solut. 11, 603 (2026

قسم كتاب:

1. 2026 Alternative Assessment in Group Assignment for Macroeconomics Course Among Kolej Poly-Tech MARA Kuantan, Pahang, Malaysia Students.، M. Mohd Kamal, R. Wok, M. Abdul Kadir, A. H. Ahmad Giran, A. Abu Bakar. (2026). Alternative Assessment in Group Assignment for Macroeconomics Course Among Kolej Poly-Tech MARA Kuantan, Pahang, Malaysia Students. Proceedings of the International Conference on Cross- Disciplinary Academic Research 2025 - Track 3 Advances in Humanities, Education, Teaching, Learning and Arts (ICAR-T3 2025), Advances in Social Science, Education and Humanities Research 1006. Pg 83-102
2. 2026 The Role of Native Audio in Enhancing ESL Students. ، Nurul Atikah binti Mustafa; Aishah binti Abu Bakar Siti Nur Atikah binti Nazri. (2025). The Role of Native Audio in Enhancing ESL Students. Proceedings of the International Conference on Cross- Disciplinary Academic Research 2025 - Track 3 Advances in Humanities, Education, Teaching, Learning and Arts (ICAR-T3 2025), Advances in Social Science, Education and Humanities Research 1006. Pg 230-248

الخبرة الإدارية

2026 – الآن: CETL Steering Committee Member - Center for Excellence in Teaching and Learning

2026 – الآن: Committee Member for Text and Reference Book and College E-Learning Committee - College of Engineering and Architecture, University of Nizwa

2026 – الآن: Journal Comittee member for the International Conference on Creative Engineering and Emerging Technologies (ICCEET 2026), University of Nizwa - College of Engineering and Architecture, University of NIzwa

2025 – الآن: Faculty Development Officer - Center for Excellence in Teaching and Learning

Faculty Development Program - Certificate in Higher Education Teaching and Learning .1 (CHETL) Cycle 1 2025-2026 2. University of Nizwa second Faculty Summit 3. Collaboration between University of Nizwa with Kolej Poly-Tech MARA, Kuantan Malaysia on the

organisation of International Conference of Multidisciplinary Action Research 2026 ((ICMAR2026

خدمة المجتمع

Webinar on Digital Skills Competency to Enhance the Students` Readiness for the :25/02/2026 (Modern Workforce – Sohar University (Invited Speaker

Officiator & Guest of Honor for the Pakistan School Nizwa Culmination Day :16/02/2026

Workshop on SoTL for Higher Education - SoTL Sharing session by expert organized :01/01/2026 (by Oman Arab Open University (Invited Panel Expert – Online Sharing Session

الأنشطة الاستشارية

Advisory Panel، Universiti Teknologi Petronas, Malaysia، Department of Education Excellence in Teaching & Learning (EdeX)، 2025- 2026

Master Trainer for Scholarship of Teaching and Learning، Malaysia Higher Education Leadership Academy (AKEPT)، Ministry of Higher Education, Malaysia، 2025

Advisor for International Conference in Mutidisciplinary Action Research 2026 (ICMAR 2026)، Kolej Poly-Tech MARA Kuantan, Malaysia، 2025

العضوية في الهيئات المهنية

2020–الآن: Professional Technologist (Ts.) - Malaysia Board of Technologist

1981–الآن: Graduate Member - Board of Engineer Malaysia

الجوائز والتقدير

Silver Award – International Conference 16th Creation, Innovation, Technology and Research 2026 Exposition (CITReX 2026), Malaysia

Best Presenter Award (Online) at the International Conference of Multidisciplinary Action 2026 Research 2026(ICMAR2026) , Malaysia

Best Paper Award, International Conference on Creative Engineering and Emerging 2026 .(Technologies (ICCEET 2026), University of Nizwa (27-29 April 2026

المرجع: https://www.unizwa.edu.om/staff/cea/aishahabubakar