

Preface

Middle East College believes that learners' diverse interests, needs, and expectations are dynamic and should be reflected in their learning environments. Higher education institutions in the region must meet the challenges involved in creating and adopting appropriate pedagogical frameworks, and teaching and learning methods, and keep pace with the ever-increasing technological requirements of the times.

International Conference on Teaching and Learning - Digital Transformation of Education and Employability aims to bring together leading academicians and researchers to share and reflect on their experiences in the areas of innovative, blended, online, on-campus, synchronous, and asynchronous forms of teaching and learning practices, technology-assisted learning environments, and scientific research in the field of teaching and learning.

The conference themes are built around theories and practices that will enable students to take the lead throughout their learning processes in the post-Covid-19 period, including technology-enhanced learning strategies. This conference is aimed at strengthening community and industry collaborations and promoting interdisciplinary curricula in teaching and learning, thereby improving the employability of the learners. Establishing a culture of Academic Integrity is also an important theme that will be featured during the conference.

The International Conference on Teaching and Learning (ICTL) 2022 encompassed digital transformation and improving the learners' employability by strengthening the International and National Network of community and Industry by achieving the desired skills and personal attributes that are benefitted to serve the workforce, community, and economy. Besides innovative ideas, the international Conference addresses and learns through impediments of educational processes and practices under several themes of digitalization and employability to fit broadly into one of the categories.

- * Innovative Educational Pedagogies
- * Active and Learner-led pedagogical approaches
- * Domain-transcendent pedagogies for general competences
- * Contemporary issues in teaching and learning
- * Leadership in Higher Education
- * Adult, Community, and Professional Learning
- * Coaching and Mentoring in Higher Education
- * Learner Diversity and Identities
- * Teaching-Research Nexus
- * Technology-enhanced Learning
- * E-learning Models and Practices
- * Professional Development
- * Assessment and Evaluation
- * Technology-enhanced Pedagogies
- * Sustainability in Higher Education
- * Student Engagement, Success, and Well-being
- * Hybrid and Flexible Learning environments
- * Ethics in teaching and learning environments
- * Internationalization in Higher Education in the MENA region
- * Teaching and Learning practices in Higher Education

- * Work Integrated Learning Practices
- * Employability & Entrepreneurship

Conference Major Activities and Themes

- * Keynote speeches
- * Paper presentations
- * Panel discussions

The Conference deliberation is being archived to deliver the impact of Higher Education Institutions (HEI) in Oman with teaching and learning practices used to build and promote the connection between students, teachers, researchers, and industry experts. More specifically, conference focus entails

- 1. Promotion and development of learning processes and Instruction practices within the Middle East using practical-oriented, innovative teaching methods.**
- 2. Distribution of learning and instruction practices and research results in the interdisciplinary teaching and learning curriculum.**
3. Collaboration and exchange of expertise between educational researchers, practitioners, trainers, and policymakers.
- 4. Establishment of research culture and academic integrity to uphold professional knowledge and practice to succeed in student careers.**

We are extremely delighted to compile the proceedings of the International Conference on Teaching and Learning (ICTL), held at Middle East College, Student Hub, Muscat, Sultanate of Oman from 15-16 November 2022, under the theme of “Digital Transformation of Education and Employability.” The conference has provided a platform and a forum of open exchanges and constructive engagement from all the distinguished researchers and participants from different parts of the world to reflect on continuous attention to the theme of the conference. The participants were from 18 countries covering the Middle East and Europe regions. In total, 49 papers were accepted from 110 articles submitted in the areas of theories and practices during learning processes in the post-Covid-19 period. The deliberations conducted in the sessions were worthful in discussing technology-enhanced learning strategies. The Keynote speakers, are Prof. Ian Dunn, Provost, Coventry University, U.K., Mr. Ali Said Ali Al Uraimi, CEO of Nakheel Oman Development, and Dr. Kiran G. R., Dean of Middle East College. The discussions of eminent speakers covered a vast range of topics on the theme of digital transformation, employability, teaching and learning, digital-enabled future institutions, and new work strategies in changing world to continue the success for a long time. The conference-contributed articles were accomplished through the blind peer review process and high standards with domain experts in the technical committee. The organizers have found encouraging responses on part of the researchers by sharing the practices. The conference has created an environment to learn from each other through experiential learning and by sharing their practices. All in all, 39 articles have been presented virtually and on campus. After the conference, the full manuscripts of the 39 articles accepted and presented are submitted to be published in the web of conferences volume. The conference organizers expressed their sincere thanks to all participants for their valuable contributions to the conference program. The tremendous hard work of the organizing and technical committee made this conference a successful event. MEC has believed that this international conference has brought all the academicians and researchers after the COVID-19 period to share and reflect on their experiences, practices, and technology-assisted learning environments in teaching and learning.

Message from Conference Chair (Dr. Kiran G. R)

It is our great privilege to welcome all the authors and delegates to the 1st International Conference on teaching and learning 2022. The conference proceedings are published to make them helpful, exciting, and inspiring. The conference had significant international representation with participants, authors, and keynote speakers. Promising Trends in Digital transformation require a forum to exchange crucial issues on research and developments among researchers and Industrial Partners. It is prudent that changes in technologies developed at various organizations need dissemination. The 1st International conference (ICLT 22) initiated was an excellent opportunity to provide a platform for enthusiasts to share their knowledge & experiences on teaching and learning practices under the theme of Digital Transformation of Education and Employability. It is the firm belief that ICTL'22 has been a rich platform to explore new ideas and practices in teaching and learning during the post-pandemic context. Interaction between the researchers and the experts leads us to new horizons in digital transformation and employability. It also focuses on theories and practices that lead students to become agile and autonomous learners, including technology-enhanced learning strategies. The conference's agenda meets another objective of strengthening community and industry collaborations and promoting interdisciplinary curricula in teaching and learning, thereby improving learners' employability. Our deliberations will be valuable for the broader community of practitioners. Let us reflect on the challenges ahead, celebrate our accomplishments, extend our networks, and explore future research directions. We all agree that it was an insightful and exciting conference experience.

Session 1: Keynote Speech

Keynote 1: Digital Transformation and Future work

Mr. [Ali Al Uraimi](#), CEO of Nakheel Oman Development

In this talk, Mr. Ali gave an educational landscape of economic, social, cultural, and societal changes with the effect of the pandemic event. The talk focused on the main areas of digital transformation to contribute to the futuristic vision of Oman 2040 to move ahead by creating a digital environment using Blockchain, AI, and Process automation. Furthermore, the talk stressed the importance of future jobs in industry sectors, with employability achieved by critical skills and attributes. These skills are a broader set of attributes required by changing times and digital transformation. The realistic examples of the agricultural industry portrayed the essence of digital transformation and future jobs.

Keynote 2: Digital University

[Prof. Ian Dunn](#), Provost of Coventry university

In this talk, Prof. Ian discussed and showcased the digital future by building the digitally enabled University. Furthermore, the talk highlighted key elements that need the support of culture, politics, and funding to change the state of remote teaching to a digitally enabled future.

Keynote 3: Digital transformation and Employability

[Dr. Kiran G.R.](#), Dean, Middle East College

In this talk, Dr. Kiran discussed the salient points of digital transformation and employability from education that aimed to connect leading industry leaders, academics, and researchers for significant digital transformation after the impact of the COVID-19 crisis. The talk marked its glory with full fledged participation and an ambitious presentation of rethinking the approach to a new world of work, digital skills, and creativity to emphasize the changes in technology and employability.

Session 2: Workshops

Workshop 1: Enhancing Future Skills through Active learning

Dr. Badria Al Nadabi, CETL, Sultan Qaboos University (SQU)

The workshop promoted active learning and enhanced the learning of researchers and problem-definers in the process of sharing and creating knowledge. In the workshop, the approaches used to enhance learners' participation during the COVID-19 period were revisited to showcase the practices and their validity, transparency, and importance.

Workshop 2: Academic Data Analytics

Dr. Prakash Kumar Udupi, Middle East College (MEC)

The workshop was about use of latest technologies for analysing given data. The workshop specifically focused on the process of evaluating and analyzing organizational data received from universities and colleges for reporting and decision making reasons.

Workshop 3: Academic Data Analytics

CRC and CAP, Middle East College (MEC)

The Third Workshop was on Research and Academic Practices, it was presented by Centre for Academic practices and Centre for research and consultancy. Deliberations on the ways to promote research culture in higher educational institutions and the associated benefits were done, also in this workshop the teaching and learning practices, strategies, methods, and tools used at MEC were discussed.