

# Prof. Abdulkareem Eid Alalwani, PhD

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## Summary

Highly experienced Professor with a demonstrated impact in the higher education industry, and Public education. Well-known leader in research and consultancy for educational technologies at the university level and K12 Education. Excellent experiences in establishing new universities and colleges, and enhancing existing institutions to the highest academic standards.

## External Consultations

- **Prince Mohammed bin Salman College for Cybersecurity, Artificial Intelligence and Advanced Technologies**, Riyadh, Saudi Arabia, 1/ 2019 - Present
- **National Center for Performance Measurement "Aadaa"**, Riyadh, Saudi Arabia , 8/2018 – 12/2018
- **College of Computing, King Abdulaziz University**, Jeddah, Saudi Arabia, 6/2011 – present
- **College of Computer Science and Computer Engineering, Taibah University**, Yanbu, Saudi Arabia 11/2019 – Present
- **Expert and e-Learning Consultant, Islamic University**, Madinah, Saudi Arabia, 2/2020 – Present

## Academic Positions

- **Vice Rector of Business Development**, 8/2022-Present  
University of Prince Mughrin (UPM), Medinah, Saudi Arabia
- **Dean (Managing Director)**, 1/2020 – 7/2022  
**Yanbu Technical Institute, Yanbu Royal Commission Colleges and Institutes**, Yanbu, Saudi Arabia
- **Acting Director General**, 1/2019 – 7/2022  
**Yanbu Royal Commission Colleges and Institutes**, Yanbu, Saudi Arabia
- **Director of eLearning**, 8/2019 – 1/2020  
**Yanbu Royal Commission Colleges and Institutes**, Yanbu, Saudi Arabia
- **General Secretary**, 9/2019 - present  
**Scientific Committee of Royal Commission Colleges and Institutes**, Jubail and Yanbu, Saudi Arabia
- **Dean (Managing Director)**, 1/2010 – 10/2014  
**Yanbu University College, Yanbu Royal Commission Colleges and Institutes**, Yanbu, Saudi Arabia
- **Deputy Managing Director (Managing Director)**, 2/2008 – 1/2010  
**Yanbu University College, Yanbu Royal Commission Colleges and Institutes**, Yanbu, Saudi Arabia

## Academic Experiences

- **Professor**, 12/2018 - present  
**Computer Science & Engineering Department**, Yanbu University College
- **Researcher (Visiting Scholar)**, 2015  
University of Kansas, USA
- **Associate Professor**, 2013 - 2017  
**Computer Science & Engineering Department**, Yanbu University College
- **Assistant Professor**, 2008 - 2012  
**Computer Science & Engineering Department**, Yanbu University College
- **Visiting Professor**, 2005  
**Instructional Systems Technology**, Indiana University at Bloomington, USA

## Positions at Ministry of Education, KSA

- **General Manager of Educational Technology**, 2007-2008
- **General Manager of Programs and Projects**, 2006-2007
- **Manager of E-learning projects**, 2005-2006
- **Director of the Computer and Development Division at the agency of Students Affairs**, 1998-2001
- **Senior Educational Supervision at the agency of Students Affairs**, 1997-2000
- **Educational Supervisor at Yanbu Educational Directorate**, 1997-2000

## Research Interests

Professional interests in the following research areas:

- Using biometrics (facial and emotion expressions, fingerprint readers, etc., ) to measure the engagement of students/trainees during online instruction
- Measuring the relationship between students' academic performance and the integration of technology in K12 Education and higher education
- Building frameworks and standards for the successful integration of educational technology in K12 Education and higher education

- Communication and educational information technology in K12 education & higher education

### Committees and Council Memberships

- **Chair of Saudi Association for E-Learning and Training (SALET)** In the process of being established, April,2020
- **General Secretary of Scientific Committee Council of Colleges and Institutes of Jubail and Yanbu,** 2019-present
- **Higher Education Central Royal Commission Committee for Jubail and Yanbu,** 2019 – present
- **Scientific Committee Council member Colleges and Institutes of Jubail and Yanbu,** 2018-present
- **Consultancy Committee at the Computing College of King Abdulaziz University,** 2011 – present
- **Scientific Committee Council member Colleges and Institutes of Jubail and Yanbu,** 2010-2016
- **Saudi Computing Society,** 2009 – present
- **Higher Education Strategic Planning Committee at the Royal Commission of Yanbu,** 2008 – 2010
- **IEEE, senior member,** 2008 – present
- **ISTE,** 2003 – present

### Educational, Quality and Managerial Training:

- **Fundamentals of Data Science Summer Workshop,** Institute for Computational and Mathematical Engineering (ICME), Stanford University. August, 2020.
- **Engineering Leadership for Emerging Leaders,** On the MIT Campus in Cambridge, MA, July 22-26, 2019.
- **Quality in Higher Education General Principles of quality assurance in Higher Education,** One week course in different UK institutes (4 Universities) done by British Council and Ministry of Higher Education in Saudi Arabia – November 2017.
- A workshop titled '**Project Management Professional (PMP)**', Yanbu, 19-23 September 2014.
- A workshop on '**The Complete Course on Management & Leadership**' London, 15/04/2013 – 26/4/2013.
- A workshop titled '**Inner Strengths of Successful Leaders** ', Harvard Graduate School of Education, Harvard University, Cambridge, MA, United States, December 4-7, 2013
- A workshop by NCAAA titled '**Quality Management of Managerial Planning**', Riyadh, December 2012.
- A workshop titled '**Learning outcomes of Academic programs using the NQF framework for Humanities, Medicine and Engineering**', Riyadh, November 2012.
- A workshop titled '**The importance of learning outcomes in Higher Education**' Riyadh, June 2012.

- A workshop titled '**The External Reviewer**', one-week course designed for those having evaluation duties of educational programs and institutions, Riyadh, February 2012.
- A workshop titled '**An introduction to the Quality Program at NCAAA and the Standards of institution and program reviewing**', Yanbu, 2012.
- A workshop titled '**Evaluating Faculty Members and Peer Reviewing**' , Jeddah, 11-12 December, 2011
- A workshop on '**Performance Management**', Yanbu, 26/10/2010 – 21/7/2010.
- A workshop on '**Leadership Skills and Management**' London, 10/11/2009 – 20/7/2009.
- A training session on '**The Most Important First**' , Kansas City, U.S.A., 2001.
- A training session on '**Creation and Creative Thinking**' , Riyadh, 2000.
- A training session on '**Leadership styles**' , Riyadh, 1999.
- A training session on '**Decision Making**' , Riyadh, 1999.
- Supervising a training session on '**Access Database**' , for one week, 1999.
- A training session on '**Managerial Change Strategy**' , Riyadh, 1999.
- A training session on '**The Thinking Compass**' , Riyadh, 1999.
- Completing a training course for **student activities supervisors** for one semester, provided by college of education, Umm Al Qura University, Makkah, 1999. I was ranked first among 28 participants.

### Selected Conferences

- "**A Deep Learning Model to Measure the Involvement of Learners and Engagement During E-Learning**", International academic (West East Institute) Conference Harvard Faculty Club, Harvard University, Boston, USA, July 29 – August 2, 2019.
- "**Estimation of Mental States Using Facial Features to Improve a Student's Performance**" in E-Learning International Conference on Arts, Education and Social Science (ICAES), New York , USA, November 14-15 , 2016.
- "**Review Of World Ranking Systems To Equip Saudi Universities In Adopting Modern University Ranking Trends**" International Journal of Arts & Sciences' Conference, Harvard, USA, 2015.
- "**Experts' Evaluation on a Research Instrument used for Assessing Integration of Information Technology in Higher Education**", Valencia, Spain, March, 2011.
- "**Obstacles to Successful E Learning in Societies**". E Learning Regional Conference, Kuwait, March 2011.
- "**E-Learning Course Criteria (ECC) in Higher Education**", in International Conference on Education and New Learning Technologies, Barcelona, Spain July 2010.
- "**Barriers to Effective use of Information Technology in Science Education**", in the 2010 Conference on Enterprise Information Systems and Web Technologies (EISWT), Orlando, FL, USA., July, 2010,
- "**Strategic e Learning**", in International Conference - The Future of Education, 2010.

## Journal Published Papers

1. Abdulkareem Eid. Al-Alwani, "**A deep learning model to measure the involvement of learners and engagement during the E-Learning**", Harvard Faculty Club, Harvard University, Boston, USA, July 29 – August 2, 2019.
2. Abdulkareem Eid. Al-Alwani, "An Interoperable Data Framework to Manipulate the Smart City Data using Semantic Technologies", International Journal of Advanced computer science and applications, 8, 68–72, 2017.
3. Abdulkareem Eid. Al-Alwani, "**Mood Extraction Using Facial Features to Improve Learning Curves of Students in E-Learning Systems**", International Journal of Advanced Computer Science and Application, 7(11), 2016.
4. Abdulkareem Eid. Al-Alwani & Majdi Beseiso, "**A Coreference Resolution Approach Using Morphological Features in Arabic**", International Journal of Advanced Computer Science and Application, 7(10), 2016.
5. Abdulkareem Eid. Al-Alwani, "**A Combined Approach to Improve Supervised E-Learning using Multi-Sensor Student Engagement Analysis**", International Journal of Advanced Computer Science and Applications, Vol. 7, No. 11, 2016.
6. Abdulkareem Eid. Al-Alwani, "**A Novel Anti-Spam Solution to Minimize False Positive Alarm Rate in Bulk Spam**", International Journal of Computer Applications, 155(5), 2016.
7. B. Shuaibu, N. Norwawi, M. Selamat, and Abdulkareem Al-Alwani, "**Systematic review of web application security development model**", Artificial Intelligence Review, 43 (2), 259-276, 2015.
8. Abdul Kareem Eid. Al-Alwani, "**Improving Email Response in an Email Management System Using Natural Language Processing Based Probabilistic Methods**", Journal of Computer Science, 11 (1), 109, 2015.
9. Abdulkareem Eid. Al-Alwani, "**Information Technology Integration in Higher Education: A Novel approach for impact assessment**", International Journal of Emerging Technologies in Learning, 9 (6), 2014.
10. Abdulkareem Eid. Al-Alwani. "**Evaluation Criterion for Quality Assessment of E-Learning Content**", E-Learning and Digital Media, 11 (6), 532-542, 2014.
11. Abdul Kareem Eid. Al-Alwani, "**A novel email response algorithm for email management systems**", Journal of Computer Science, 10, 689-696, 2014.
12. Abdulkareem Eid. Al-Alwani, "**A Novel Framework for Evaluation of Academic E-Learning Content**" International Journal of Arts & Sciences (IJAS), 2014.

13. Abdulkareem Eid. Al-Alwani , "**Intrinsic and Extrinsic Motivation to E learning in Higher Education Institutions**", International Journal of Computers & Technology, 12 (1), 3131-3137, 2013
14. Abdulkareem Eid. Al-Alwani & Majdi Beseiso , "**Arabic Spam filtering using Bayesian Model**", International Journal of Computer Applications, 79 (7), 2013.
15. Abdulkareem Eid Al-Alwani & Majdi Beseiso, "**Ergonomic fingerprint scanner design for people with motor neuron diseases**", American Journal of Applied Sciences 10 (12), 1598, 2013.
16. Abdulkareem Eid. Al-Alwani. "**A study on Integration of Information Technology in Higher Education in Saudi Arabia**", E-Learning and Education Journal, 2011.
17. Abdulkareem Al-Alwani. "**Barriers to Effective Use of Information Technology in Science Education at Yanbu, Kingdom of Saudi Arabia**", Book of E- Learning, ISBN 978-953-7619-40-4, 2009.
18. Abdulkareem Eid. Al-Alwani. "**Barriers to Integrating Information Technology in Saudi Arabia Science Education**", PhD Thesis, The University of Kansas, USA, 2009.

### **Published Books**

- Published book titled: INTERACTIVE E-LEARNING THROUGH HUMAN EMOTIONS AND PHYSIOLOGICAL CHANGES
- Translated the book to Arabic titled "INTERACTIVE E-LEARNING THROUGH HUMAN EMOTIONS AND PHYSIOLOGICAL CHANGES"

### **Education**

- PhD in Educational Communication and Technology, Kansas University, USA, 2005.
- MSc in Curriculum and Instructions, Kansas University, USA, 2002
- BSc in Science, King Fahd University of Petroleum and Minerals, Saudi Arabia, 1987

**Note:** Please contact me on my email in case further details are needed.