

DR. MOHAMMED AL-SHRAGABI

ABET IDEAL Scholar

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EXECUTIVE SUMMARY

Dr. Mohammed Al-Shragabi is a seasoned academic leader with over twenty (20) years of comprehensive expertise in higher education quality assurance, academic accreditation, and strategic planning. He has held pivotal advisory and leadership roles, from consulting for university leaders on quality and accreditation, advising national accreditation agency, and leading expert committees on academic standards. Dr. Al-Shargabi spearheaded the development of Yemen's National Qualifications Framework and has been instrumental in securing accreditation for over one hundred (100) academic programs and institutions with globally recognized bodies, including ABET, ETEC (KSA), ABE (UK), and CAQA (Yemen), thereby establishing a systematic approach for continuous improvement of the educational process. He possesses deep expertise in academic policy and program development, ensuring precise alignment with national requirements and labor market demands, he has designed or reviewed sixty-eight (68) academic programs meticulously grounded in market analysis and outcomes-based assessment. Bolstered by multiple international certifications, including credentials as an ABET IDEAL Scholar (USA) and an ABE External Quality Assurer (UK). Driven by a commitment to academic excellence, Dr. Al-Shargabi excels in fostering a culture of continuous improvement, investing in faculty development and CPE, and ensuring the strategic alignment of institutional goals with both national and international standards and goals.

CORE COMPETENCIES

ABET Accreditation and other accreditation such as (ETEC, ABE, WFME, CAQA), Curriculum and Educational Programs Development & Review, National Qualifications Frameworks (NQF), Educational policies, Standards, and teaching and learning Frameworks, Strategic Planning & Execution, Quality Assurance Systems Design, Continuous Improvement & Outcomes Assessment, Faculty Development & Training, Cross-Cultural Communication

1. EDUCATION

- **Ph.D. in Computer Science**, University Technology Malaysia (UTM), Malaysia, 2011 (Recipient, Excellence Award for Best Ph.D. Student in Computer Science, and Excellence Award for Best Graduate at University Level)
- **Master of Science in Information Technology**, Multimedia University, Malaysia, 2008

2. Consultancy & Leadership Roles:

- **Consultant for the Vice Presidency for Development and Quality**, University of Business and Technology (UBT), KSA | Oct 2023 – Present
- **Consultant to the University President for Quality Assurance and Academic Accreditation**, University of Science and Technology (UST), Yemen | Sep 2022 – Present
- **Consultant**, Council of Accreditation and Quality Assurance of Higher Education (CAQA), Yemen | Jan 2022 – Jul 2025
- **Head of Expert Team**, Yemen National Qualifications Framework (First Edition), CAQA, Yemen | Jan 2023 – Dec 2023
- **External Quality Assurer (EQA)**, The Association of Business Executives (ABE), UK | Feb 2019 – Feb 2023
- **Member, Board of Trustees**, Al-Razi University, Yemen | Jul 2024 – Present
- **Head of Development and Quality Unit**, College of Computer Sciences and Information Systems (CSIS), Najran University, KSA | Sep 2016 – Sep 2021
- **Technical Manager**, Automation of Academic Program Learning Outcome Assessment Initiative (Saudi Vision 2030), KSA | Feb 2017 – May 2021
- **Coordinator of College for Academic Affairs**, CSIS, Najran University, KSA | Sep 2014 – Sep 2016
- **Head of Information Systems Department**, CSIS, Najran University, KSA | Sep 2012 – Sep 2016

3. Academic & Teaching Roles:

- **Associate Professor**, Faculty of Computing and Information Technology, University of Science and Technology (UST), Yemen | Sep 2022 – Present
- **Adjunct Lecturer**, University College Sedaya International (UCSI), Malaysia | Jun 2021 – Jun 2022
- **Assistant Professor**, College of Computer Sciences and Information Systems, Najran University, KSA | Apr 2012 – Sep 2021
- **Assistant Professor**, Al-Khwarizmi International College, UAE | Aug 2013 – Jan 2014
- **Senior Lecturer**, Faculty of Computer Sciences and Information Systems, Universiti Teknologi Malaysia, Malaysia | Oct 2011 – Mar 2012
- **Lecturer**, Faculty of Computer Sciences and Information Systems, Sana'a University, Yemen | Dec 2008 – Jun 2009
- **Lecturer**, Faculty of Computer Sciences and Information Systems, Yemeni Jordanian University, Yemen | Dec 2008 – Jun 2009
- **Lecturer**, Faculty of Information Sciences and Engineering, Management and Science University, Malaysia | Nov 2007 – Nov 2008
- **Tutor**, Department of Computer Science, Sana'a Community College, Yemen | Jul 2003 – Sep 2004

4. ABET ACCREDITATION PROFESSIONAL EXPERIENCE

Extensive ABET certifications, professional engagements, and accreditation experience underpin a proven record of leading, consulting, and reviewing for 37 ABET accreditation visits.

ABET Certifications & Professional Engagements:

1. **ABET IDEAL Scholar** (Institute for the Development of Excellence in Assessment Leadership), 2016, Baltimore USA.
2. **Advanced assessment of educational Program** certified, 2014, Pittsburgh, USA.
3. **Academic Program Design to Meet Community Needs** certified, 2014, Pittsburgh, USA.
4. **Key Performance Indicators (KPIA) certified**, George Washington University, 2017, USA
5. **Presenter at the ABET 2015 Symposium**, The Quickest Way to Qualify for Initial ABET Accreditation, USA.
6. **Presenter at the ABET 2014 Symposium**, Developing and Implementing a Sustainable Continuous Quality Improvement Framework, USA.

ABET Accreditation Experience (37 Programs):

1. **Led** the ABET accreditation project for Six (6) undergraduate Engineering and Technology programs at Bisha University – KSA | ABET 23–24 accreditation cycle:
 - **Key Achievement:** All programs obtained **Full Accreditation**.
2. **Led** the ABET accreditation project for Three (3) undergraduate Engineering programs at Hafr Al-Batin University – KSA | ABET 23–24 accreditation cycle.
 - **Key Achievement:** All programs obtained **Full Accreditation**.
3. **Reviewer** for the ABET accreditation project for Six (6) undergraduate Engineering and Engineering Technology programs at Jazan University – KSA | ABET 21–22 accreditation cycle.
 - **Key Achievement:** All programs obtained **Full Accreditation**.
4. **Led** the ABET accreditation project for Five (5) undergraduate Engineering and Technology programs at University of Science and Technology (UST) - Yemen | ABET 26–27 accreditation cycle:
 - **Key Achievements:** Informed ABET of the university's intention to request a Readiness Review (RR); currently **awaiting ABET approval**.
5. **Led** the ABET accreditation project for Five (5) undergraduate Engineering programs at University of Business and Technology (UBT) – KSA | ABET 25–26 accreditation cycle:
 - **Key Achievements:**
 - All programs passed the Eligibility Stage, successfully submitted the SSR, **awaiting the final site visit**.

6. **Consultant** for the ABET accreditation project for Two (2) postgraduate Engineering and Technology programs at Bisha University – KSA | ABET 25–26 accreditation cycle:
 - **Key Achievements:**
 - All programs passed the Eligibility Stage (Readiness Review accepted by ABET).
 - All programs successfully submitted the Self-Study Report (SSR), which are now **awaiting the final site visit**.
7. **Led** the ABET accreditation project for Four (4) undergraduate Engineering programs at Sana'a University – Yemen | ABET 24–25 accreditation cycle.
 - **Key Achievement:** The accreditation site visit was canceled due to security concerns.
8. **Led** the ABET accreditation project for Six (6) undergraduate Engineering programs at Hadramout University – Yemen | ABET 21–22 accreditation cycle.
 - **Key Achievement:** The accreditation site visit was canceled due to security concerns.

5. ETEC (KSA) ACCREDITATION PROFESSIONAL EXPERIENCE:

Supported by broad ETEC certifications, professional engagements, developing standards, train program leaders, and accreditation experience, I have led, consulted on, and reviewed forty-two (42) ETEC accreditation visits.

ETEC Certifications & Professional Engagements:

1. **Certified External Reviewer**, NCAAA | 2020.
2. **Certified Training Accreditation Monitor**, MASAR | 2020.
3. **Certified Academic Accreditation Reviewer**, NCAAA | 2017.
4. **Presenter in ETEC international Conference**, Multi- Assessment Methods for Better Program Improvement, Riyadh, Saudi Arabia, December | 2018.
5. **Attended numerous training** courses and workshops in NCAAA | 2012 – 2022.
6. **Attended numerous training** courses and workshops on Saudi Vision 2030 initiatives planning | 2016 - 2020.

ETEC Accreditation Experience (42 Visits):

1. **ETEC Accreditation Reviewer** with the National Center for Training Accreditation and Assessment (MASAR), conducting Institutional Accreditation visit to Al-Baha Technical College, KSA | 2019.
2. **ETEC Accreditation Reviewer** with the National Center for Training Accreditation and Assessment (MASAR), conducting Institutional Accreditation visit to Khamis Mushait Technical College, KSA | 2019.
3. **ETEC Accreditation Reviewer** with the National Center for Training Accreditation and Assessment (MASAR), conducting Institutional Accreditation visit to Jeddah Technical College, KSA | 2019.
4. **ETEC Accreditation Reviewer** with the National Center for Training Accreditation and Assessment (MASAR), conducting Institutional Accreditation visit to Communication and electronics College in Jeddah, KSA | 2019.
5. **Consultant** for the ETEC Institutional Accreditation project for Saudi Mining Polytechnic (SMP) – KSA | 2025:
 - **Key Achievements:** Successfully submitted the Self-Study Report (SSR), which are now **awaiting the final site visit**.
6. **Consultant** for the ETEC Institutional Accreditation project for University of Business and Technology (UBT) – KSA | 2025:
 - **Key Achievements:** The university obtained **Full Accreditation**.
7. **Consultant** for the ETEC Institutional Accreditation project for Hafr Al-Batin University – KSA | 2024:
 - **Key Achievements:** The university obtained **Full Accreditation**.
8. **Led** the ETEC Institutional Accreditation project for Saudi Mining Polytechnic (SMP) – KSA | 2022:
 - **Key Achievements:** SMP obtained **Full Accreditation**.
9. **Consultant** for the ETEC Institutional Accreditation project for Bisha University – KSA | 2021:
 - **Key Achievements:** The university obtained **Full Accreditation**.

10. **Member** of the ETEC Institutional Accreditation team in Najran University – KSA | 2019:
 - **Key Achievements:** The university obtained **Full Accreditation**.
11. **Consultant** for the ETEC Programmatic Accreditation project for Eleven (11) postgraduate and undergraduate programs at King Saud University– KSA | 2023 – Present:
 - **Key Achievements:**
 - Ten (10) programs obtained **Accreditation**.
 - One (1) Program is waiting for the Site visit.
12. **Consultant** for the ETEC Programmatic Accreditation project for Seven (7) postgraduate and undergraduate programs at University of Business and Technology (UBT) – KSA | 2023 – Present:
 - **Key Achievements:** All the programs obtained **Accreditation**.
13. **Consultant** for the ETEC Programmatic Accreditation project for Three (3) undergraduate programs at University of Jeddah – KSA | 2024 – Present:
 - **Key Achievements:** All the programs are waiting for the Site visit.
14. **Consultant** for the ETEC Programmatic Accreditation project for Four (4) undergraduate programs at Taibah University – KSA | 2019 – 2024:
 - **Key Achievements:** All the programs obtained **Accreditation**.
15. **Consultant** for the ETEC Programmatic Accreditation project for One (1) undergraduate program at Hafr Al-Batin University– KSA | 2023 – 2024:
 - **Key Achievements:** The Program is waiting for the Site visit.
16. **Consultant** for the ETEC Programmatic Accreditation project for One (1) undergraduate program at Princess Nourah University– KSA | 2024 – 2025:
 - **Key Achievements:** The Program is waiting for the **Accreditation** result.
17. **Consultant** for the ETEC Programmatic Accreditation project for One (1) undergraduate program at Al-Jouf University– KSA | 2021 – 2022:
 - **Key Achievements:** All the programs obtained **Accreditation**.
18. **Lead and Consultant** for the ETEC Programmatic Accreditation project for Four (4) undergraduate programs at Najran University – KSA | 2019 – 2021:
 - **Key Achievements:** All the programs obtained **Accreditation**.

Experience and Contributions in Developing ETEC’ Educational Standards:

1. **Participate as quality and accreditation expert in developing the accreditation standards** for training, technical, and vocational institutions and programs at the National Center for Training Evaluation and Accreditation, ETEC – KSA, 2020.
2. **Participate as quality and accreditation expert in developing e-learning quality standards** at the National Center for Training Evaluation and Accreditation, ETEC – KSA, 2019.
3. **Technical Director of the initiative** “Automation of Measuring Learning Outcomes in Higher Education,” one of the Ministry of Education initiatives supporting Saudi Vision 2030.

ETEC Training Experience:

1. **Train over twenty-five (25) TVET program leaders** on Integrating employability skills into training programs at the National Center for Training Evaluation and Accreditation, ETEC – KSA, 2019.
2. **Train over twenty-five (25) TVET program leaders** on Competency-based training and the design and assessment of learning outcomes at the National Center for Training Evaluation and Accreditation, ETEC – KSA, 2019.
3. **Train over twenty-five (25) TVET program leaders** on Quality assurance in accreditation (internal and external quality systems) at the National Center for Training Evaluation and Accreditation, ETEC – KSA, 2019.

6. ABE (UK) ACCREDITATION PROFESSIONAL EXPERIENCE:

ABE Certifications & Professional Engagements:

1. **EQA External Evaluator certified**, The Association of Business Executives (ABE) | 2019, UK.
2. **Attended the annual training** courses and workshops in ABE | 2019 – 2022.

ABE Accreditation Experience:

1. **External Quality Assurer (EQA)** with ABE to observe and evaluate educational institutions delivering ABE diplomas and ABE-recognized qualifications | 2019 – 2022| in:
 - Saudi Arabia
 - Kuwait
 - Malaysia
 - Thailand
 - Pakistan
2. **Conduct Institutional Quality Assurance Visit** to Aptech Training Institute in Riyadh, KSA | 2019.
3. **Conduct Institutional Quality Assurance Visit** to UK International Training, Kuwait | 2020.
4. **Conduct Institutional Quality Assurance Visit** to Synergy College, Malaysia | 2021.

7. CAQA (Yemen) ACCREDITATION PROFESSIONAL EXPERIENCE:

As a consultant to CAQA—the national body responsible for evaluating and accrediting Yemeni higher-education institutions, I have led accreditation projects, developed national quality standards and frameworks, advised on international recognition, and strengthened reviewer capacity.

CAQA Accreditation Experience (11 Visits):

1. **Accreditation Visit Supervisor (2023–2024):** Oversaw site visits and evaluation processes for three academic programmes seeking national accreditation, coordinating review teams and guiding institutions through CAQA standards to ensure compliance.
 - **Key achievement:** Successfully delivered Yemen’s first academic accreditation since the inception of its higher-education system.
2. **CAQA Accreditation Project Leader for Seven Programmes:** Led the accreditation projects across three (3) universities—five (5) programmes at the University of Science & Technology, one (1) at Al-Nasser University, and one (1) at Saba University.
 - **Key achievement:** All seven programmes achieved full national accreditation, representing the first academic accreditations in these universities.
3. **WFME Recognition Consultant:** Guided CAQA through its application for recognition by the World Federation for Medical Education (WFME). Prepared the agency for observation of an accreditation visit and the decision-making meeting, and drafted evidence demonstrating compliance.
 - **Key achievements:** CAQA successfully passed Parts A, B, and C. The final stage (Part D) is pending due to security concerns; CAQA remains listed as an agency applying for WFME recognition.

CAQA Training Experience:

1. **Trainer (2022–2024):** Designed and delivered training programmes that prepared more than three hundred (300) national accreditation reviewers.
 - **Key achievements:** Established CAQA’s national accreditation-reviewers database and built the manpower necessary to conduct Yemen’s first academic accreditation since the inception of its higher-education system.

CAQA National Frameworks & Standards Development Experience:

1. **Led** the drafting of Yemen's first **National Qualifications Framework (NQF)**, currently awaiting Council of Ministers approval.
2. **Led** the development of the **internal quality system of CAQA–Yemen**.
3. **Led** the development of **national institutional accreditation standards** used by CAQA to evaluate higher-education institutions.
4. **Led** the development of **medical and surgical programmes accreditation standards** aligned with WFME Standards.
5. **Led** the development of the **National Occupational Reference Standards (NORS)** for Information Technology, Accounting Information Systems, and Mechatronics programmes.
6. **Led** the development of the **National Academic Reference Standards (NARS)** for Computer Science, Information Technology, Information Systems, Software Engineering, Cybersecurity, Artificial Intelligence, and Data Science programmes.
7. **Led** the development of **national standards for blended e-learning** at CAQA–Yemen.
8. **Led** the development of the **National Universities Ranking System**, CAQA, Yemen (2025 Edition).
9. **Contributed** to the development of the **TVET–Higher Education bridging and credit-transfer framework**, CAQA, Yemen (2025 Edition).
10. **Member**, Committee for the review and development of the **Graduate Studies system** across Yemeni universities — Ministry of Higher Education, Yemen (2024–Present).
11. **Contributed** to the development of national digital-literacy content — CAQA, Yemen.
12. **Contributed** to the development of **Accreditation Standards and Indicators for Peer-Reviewed Scholarly Journals** — Ministry of Higher Education, Yemen (2023).
13. **Member**, Expert Team for developing the **Strategic Plan of the Ministry of Higher Education** and Scientific Research, Republic of Yemen (2022–2027).

8. ADDITIONAL ACADEMIC ACCREDITATION EXPERIENCE:

Accreditation Agency for Study Programmes (ASIIN), Germany Experience:

- **Led** the ASIIN accreditation project for Five (5) undergraduate Engineering and Technology programs at University of Science and Technology (UST) - Yemen | 26–27 accreditation cycle:
 - **Key Achievements:** Inform ASIIN of the University's intention to Request ASIIN accreditation, which are now **awaiting the Approval**.

Oman Authority for Academic Accreditation (OAAAQA) Experience (1 Visits):

- **Consultant** for the OAAAQA Institutional Accreditation project for College of Shari'ah Sciences – Oman | 2024:
 - **Key Achievements:** Waiting for the **Accreditation results**.

Quality Assurance and Academic Accreditation Training Experience:

Designed and delivered numerous training programs and workshops including the following themes:

- Quality Systems and Accreditation requirements.
- Learning Outcomes and Key Performance Indicators (KPIs) assessment.
- Development of Outcome-Based Education Programs (OBE) according to the Job Market needs.
- Strategic and Operational Planning.

9. Program Design & Review, Internal Quality Systems, Strategic Planning Experience:

- **Participated** (as a leader, team member, or reviewer) in **designing, and reviewing twenty-seven (27) academic programs** in many Saudi and Yemeni University including (Hafr Al-Batin University – KSA (2 Undergraduate Programs), Najran University– KSA (3 Undergraduate Programs), Al- Rayyan University – Yemen (1 Undergraduate Program), Sana’a University – Yemen (2 Undergraduate Programs, 4 Postgraduate Programs), Al-Nasser University – Yemen (4 Undergraduate Programs, 3 Postgraduate Programs), University of Science and Technology – Yemen (3 Undergraduate Programs, 3 Postgraduate Programs), Yemeni University – Yemen (1 Undergraduate Program), Al-Jazeera University – Yemen (1 Undergraduate Program)).
- **Consultant** for developing **Internal Quality Systems** for several universities and academic programs including (Hadhramaut University – Yemen, Saba University – Yemen, Al Mahrah University – Yemen, University of Mahwit – Yemen, Master of Science in Quranic Studies Program - King Saud University, KSA., Master of Science in Tafsir Program - King Saud University, KSA., Ph.D. in Aqida Program - King Saud University, KSA.)
- **Consultant** for **reviewing and developing twenty-six (26) vocational and applied programs** across Yemeni Community Colleges, Ministry of Technical Education and Vocational Training (Yemen); funded by the Kuwait Fund for Arab Economic Development.
- **Consultant** for the **Technical and Vocational Education Programs Development** Project in the Republic of Yemen, funded by Alawn Organization for Developments, to Update and develop two (2) Technical and Vocational Education Programs.
- **Built** three (3) employment-ending **training programs through industry partnerships**, integrating market analysis, competency mapping leading to job offers
- **Project Consultant (UNICEF-funded):** “Review, develop, and expand the capacities of the Educational Channel and automate ministerial examinations,” Aden, Republic of Yemen — Nov 2022 – May 2023.
- **Consultant** for Capacity-building for associations in Al-Madinah Al-Munawwarah and Ad-Dilam on attracting, retaining, and developing human resources (*systems development and staff upskilling*) — KSA.
- **Led, Consultant, Member** in the development of the **Strategic Plan** for (Hadramout Foundation for Human Development, 2025–2030, Emirates International University, Republic of Yemen (2025–2030), Najran University, KSA, University of Science and Technology – Yemen, Nasser University, Yemen (2025–2030), Al-Mahra University, Yemen, Al-Razi University, Yemen).

10. Research (Selected Publications)

I have a publication record of over 30 peer-reviewed articles and conference papers. My research expertise spans key areas, including Computer networks, Quality assurance and academic accreditation, Integration of IT into higher-education quality. Below is a curated selection of my publications. A comprehensive list is available upon request.

- Al-Shargabi, M. (2025). Adaptive Burst Assembly with Dynamic Ratio Control for Improved QoS and Fairness in Optical Burst Switching Networks. *University of Science and Technology Journal for Engineering and Technology*, 3(1), 47-75.
- Al-Shargabi, M. A., Shaikh, A., & Ismail, A. S. (2016). Enhancing the quality of service for real time traffic over optical burst switching (OBS) networks with ensuring the fairness for other traffics. *PLoS One*, 11(9), e0161873.
- Rajab, A., Huang, C. T., & Al-Shargabi, M. (2018). Decision tree rule learning approach to counter burst header packet flooding attack in optical burst switching network. *Optical Switching and Networking*, 29, 15-26.
- Rajab, A., Huang, C. T., Al-Shargabi, M., & Cobb, J. (2016). Countering burst header packet flooding attack in optical burst switching network. In *International Conference on Information Security Practice and Experience* (pp. 315-329). Springer International Publishing.
- Al-Shargabi, M. (2019). Smart rubric-based systematic model for evaluating and prioritizing academic practices to enhance the education outcomes. *International Journal of Advanced Computer Science and Applications*.
- Al-Shargabi, M. (2019). An integrated decision support model for enhancing the continuous improvement of academic programs. *Engineering, Technology & Applied Science Research*.
- Al-Shargabi, M. (2019). Decision support approach for enhancing course learning outcomes achievement and accuracy of continuous improvement. *International Journal of Advanced Trends in Computer Science and Engineering*.
- Al-Shargabi, M. (2017, September). The role of the academic community in achieving the national transformation program 2020 to reach the knowledge society and achieve the vision of Saudi Arabia 2030. *Fifth Community Partnership Forum in Scientific Research*, Riyadh, Saudi Arabia.
- Taleb, A., Al-Shargabi, M., & Taleb, N. (2016, February 9-11). Multi-direct assessment methods for better program improvement. *Sixth International Arab Conference on Quality Assurance in Higher Education (IACQA' 2016)*, Sudan University of Science and Technology, Khartoum, Sudan.