

Professional with broad experience and extensive knowledge
Experience in delivering lectures on different forum related to Electric and Electronic Engineering ,Telecommunication &Information Systems , Computer Science .
Search for an opportunity to grant the educational process - Knowledge that makes the student capable of career requirements.



1- PERSONAL DATA

Name	Mohammed Abaker Hussain Adam
I/C No.	P02842038
Office Address	King Khalid University, Community College, Mahayil,
Home Address	Mahayil, Asir, Saudi Arabia
Mobile	0509175924
E-mail	moadam@kku.edu.sa
Place of Birth	Elfasher ,Sudan
Language	Arabic, English
Marital Status	Married (3 children)

2- AREA OF EXPERTISE/INTEREST

- Vehicle Ad Hoc Networks (VANET)
- Computer Vision
- Smart Cities
- Intelligent Transportation Systems (ITS)

3- ACADEMIC QUALIFICATIONS

2011 – 2015 Ph.D.

Major : Electrical and Electronic Engineering
Specializations : (Telecommunication Engineering)
Institution : AL Neelain University
Location : Khartoum (Sudan)
Thesis : Cognitive Cooperative Collision Avoidance
System Based on Reliable Message Dissemination

2006 – 2008 M.Sc.

Major : Electrical and Electronic Engineering
Specializations : (Telecommunication & Information Systems)
Institution : Khartoum University
Location : Khartoum (Sudan)
Thesis : Design and Evaluation of Compact Arrays
Antenna for MIMO Systems

2011 – 2015 B.Sc.

Major : Electrical and Electronic Engineering
Specializations : (Telecommunication Engineering)
Institution : AL Neelain University
Location : Khartoum (Sudan)
Thesis : Design Control System for Chemicals Mixing
Machine

4 – EXPERIENCE

Oct 2016 –Now Assistant Professor Community College Mahayil

King Khalid University, Mahayil, Asir, Saudi Arabia

Duties and Responsibilities

- Utilizing appropriate teaching , learning support and assessment methods.
- Supervision students' projects and assessed academic performance.
- Marking and assessed students' work and provided constructive feedback.
- Provided the resources and professional development necessary for students.
- Collaborating with colleagues to identify and respond to students' needs.
- Providing accurate and consistent information on programs and college policy.

Administrative assignment

Quality and Academic Development Coordinator

Responsibilities : Perform all the tasks come from the for

Academic Development and Quality Agency .**Follow-up** of accreditation processe **Ensure** the progress of the educational process according to the mission and objectives of the university . **Preparing** the annual report , the self study report and faculty performance evaluation report

Head of Measurement and Evaluation Unit

Responsibilities : Contribute to the **improvement** and development of teaching methods and methods of assessment at the faculty, **Ensuring** the integrity of the procedures for applying performance evaluation tools at the college . **Predicting** weaknesses and strengths in the educational process in college . **Interpreting** data and information and providing feedback to faculty members . Preparing the annual report .

Supervisor of the College website

Responsibilities : Coordinate and management of the site content

June 2015 – August 2016 Assistant Professor

AL Neelain University, Faculty of Engineering Khartoum Sudan

Administrative Position

Head of Computer Engineering , AL Neelain University ,

Faculty of Engineering Khartoum (Sudan)

Duties and Responsibilities

Managed to address teaching and research issues. - Served on academic or administrative committees that deal with institutional policies, departmental matters, and academic issues. - Acted as advisers to student organizations. - Supervised undergraduate, graduate teaching, internship, and research work. - Directed research of other teachers or of graduate students working for advanced academic degrees. - Provided professional consulting services to government and industry. - Participated in campus and community events. - Evaluated and graded students' class work, laboratory work, assignments, and papers. - Maintained student attendance records, grades, and other required records. - Prepared and delivered lectures for graduate students - Prepare course materials such as syllabus, homework assignments, and handouts. - Compiled, administered, and graded examinations, or assigned this work to others. - Kept abreast of developments in their field by reading current literature. - Planned, evaluated, and revised curricula, course content, and course materials and methods of instruction

Administrative Position

Director of the Embedded Systems Research Center, AL

Neelain University , Faculty of Engineering Khartoum Sudan

Duties and Responsibilities

Providing scientific advice to some authorities regarding research and studies.

Participate in engineering scientific research with others

Organizing administrative, technical and financial procedures for research and studies.

Benefiting from the results of researches and studies published and benefiting from them.

Encourage the publication of research in journals and periodicals
Creating a platform to support the engineer's talents in research.

December 2007 – June 2015 Lecturer

AL Neelain University , Faculty of Engineering Khartoum (Sudan)

Administrative Position

-Head of Computer Engineering Department , AL Neelain
University , Faculty of Engineering Khartoum (Sudan)

- Head of Head of Diplomas Section , AL Neelain
University Faculty of Engineering Khartoum (Sudan)

June 2004 – December 2007 Teaching Assistant

AL Neelain University , Faculty of Engineering Khartoum (Sudan)

Duties and Responsibilities

Teaching Practical Sections Faculty of Engineering Khartoum
(Sudan)

5 – AWARDS

2002 award Best Graduate Research Award , for the academic year 2001/2002, AL
Neelain University, Academic Affairs Secretariat , Khartoum (Sudan)

2002 Paten Granted a patent under NO: 907· “ Chemical Mixer Machine”
Khartoum (Sudan)

2003 Medallion Golden Medallion , from “ Festival of creativity & invention
for youth” , Khartoum (Sudan)

6- MEMBERSHIP

2010 – 2016 Institute of Electrical and Electronics Engineers (IEEE),
Sudan Subsection.

7- RESEARCH ACTIVITIES

7-1 Conferences Attended and Participated

Mohammed Abaker ; Magdi Osman Ali ; Abdelzahir Abdelmaboud, “ Rock Fall Trajectory Prediction System for Enhancing Traffic Safety”, IEEE & 2018 21st Saudi Computer Society National Computer Conference (NCC),

7.2 Workshops Attended and Participated

1- Attended Seven days workshop on, “ Writing Scientific Papers ” organized by the university of Alneelain ,Graduate College , Khartoum , Sudan, 10 to 17 July 2010.

2- Attended workshop title “ **Designing Course Syllabus Based on External &internal Standards** ” King Khalid University , Kingdom of Saudi Arabia on 24 January 2018.

3- Attended workshop title “**Training Needs of Faculty Members Derived from Course Syllabus** ” King Khalid University , Kingdom of Saudi Arabia , on 25 January 2018.

8- Professional Courses and Certificates

1- Attended course title “ **National (AFRA) Training Course on Digital Power Supplies** ” organized by Atomic Energy Commission Instrumentation Centre (SAEC), Khartoum, Sudan on 7 to 12 Nov 2006.

2- Attended course title “ **Concept of the Geographic Information System (GIS)** ” organized by Engineering Training & Professional Development Program, Khartoum, Sudan on 1 to 14 Aug 2011.

- 3- Attended course title “**Equipment Training course in Telecommunication ,Electrical Power &Machine ,Industrial Process Fault Finding ,PLC, and Transducers** ” Feedback Instruments Limited, E. Sussex , England on 15 to 19 May 2006.
- 4- Attended course title “ **Accreditation and Quality Standards for Higher Education Institutions** ” Organized by U K Academy & Sudan University of Science and Technology , Khartoum, Sudan on 1st to 4th April 2015.
- 5- Attended course title “ **Designing and Developing Curriculum for Higher Education** ” Organized by U K Academy & Sudan University of Science and Technology , Khartoum, Sudan on 13 to 15 October 2015.
- 6- Attended course title “ **Developing Assessment in Higher Education** ” Organized by U K Academy & Sudan University of Science and Technology , Khartoum, Sudan on 10 to 12 October 2015.
- 7- Attended course title “**Developing the Course Plan** ” King Khalid University , Kingdom of Saudi Arabia ,Measurement &Evaluation Center, on 12 Nov 2018.
- 8- Attended course title “**Construction and Development of Achievement Tests**” King Khalid University ,Measurement &Evaluation Center , Kingdom of Saudi Arabia , on 13 Nov 2018.
- 9- Attended course title “**Building and Designing the Education Method**” King Khalid University, Kingdom of Saudi Arabia , on 25 Mar 2018.
- 10- Attended course title “**Analysis of course results**” King Khalid University, Academic Development and Quality Deanship , Kingdom of Saudi Arabia , on 25 Feb 2017.
- 11- Attended course title “**Skills in using Web of Science** ” Saudi Digital Library, Kingdom of Saudi Arabia , on 28 October 2018.
- 12- Attended course title “**Quality Assurance Management**” King Khalid University, Academic Development and Quality Deanship, Kingdom of Saudi Arabia, on 12 Feb 2017.
- 13- Attended course title “**Learning Outcomes**” Saudi Digital Library, Academic Development and Quality Deanship, Kingdom of Saudi Arabia , on 28 June 2017.

9- PUBLICATIONS

9-1 International Journal

- 1- Mohammed .Abaker, Mustafa .Ahmed “**Reliable Contention Free Message Dissemination Protocol for Cooperative Collision Avoidance**”, International Journal of Engineering, Applied and Management Science Paradigms, Vol.21, Issues 01, ISSN (Online),2320-6608, February 2015.
- 2- Mohammed .Abaker, Safa .M , Mohamed.A, Ashraf .G “**Optimal message Dissemination in Vehicular Ad-hoc Network(VANET)**”, International Journal of Engineering, Applied and Management Science Paradigms, Vol.21, Issues 01, ISSN (Online),2320-6608, February 2015.
- 3- Mohammed .Morsi ,Ashraf Gasim , Mohammed .Abaker “**Adaptive Hybrid Channel Assignment (AHCA) Algorithm**”, IJETR ,Vol.2, Issues 11, January 2015.
- 4- Ali, Magdi Osman and Ahmed, Muawia Mohamed and Hussian, Mohamed Abaker, "**Design and Evaluation of Control System for Water Treatment Quality Based Chemical Added Process**" OIDA International Journal of Sustainable Development, Vol. 10, No. 09, pp. 39-46. Available at SSRN: Elsevier (September 30, 2017).
- 5- Mohammed A. Elsadig, Mohammed A. Hussien, " **Classical Control Based Autopilot Design Using PC/104**" , International Journal of Recent Trends in Engineering & Research (IJRTER), Volume 03, Issue 02; February - 2017 [ISSN: 2455-1457] .

9-2 Conference Proceeding

- 1- Mohammed Abaker ; Magdi Osman Ali ; Abdelzahir Abdelmaboud, “**Rock Fall Trajectory Prediction System for Enhancing Traffic Safety**”, in the Proceedings of IEEE Conference on the 21st Saudi Computer Society National Computer Conference (NCC), 25-26 April 2018, Riyadh, Saudi Arabia, (IEEE indexed).