Dr. Ghassan Ahmed Ali Abdulhabeb
Associate Professor

College of Computer Sciences and Information Systems, IS Dept,
Najran Universiity, Saudi Arabia, 1988
Email: ghassananywhere@yahoo.com
        alhabeb@gmail.com

PERSONAL STATEMENT:

A committed, knowledgeable and capable research fellow. Extensively published in theoretical with significant expertise in information systems, digital forensic, cyber security, and information system security. My plans are to work further with colleagues on teaching, inspiring students, inventing technology, and publishing articles.

EDUCATION & ACADEMIC QUALIFICATIONS

Associate Professor (2020)

Major/ Degree Title	Associate Professor
Minor/ Specialization Topic	Information Systems
Institution	Najran University
Country	Saudi Arabia
Graduation Year	2020

Ph.D. (2011)

Major/ Degree Title	Ph.D.
Minor/ Specialization Topic	Digital Forensic
Title of PhD Thesis	A new approach based on Honeybee Guarding to improve IDS
Institution	Universiti Sains Malaysia (USM), School of Computer Sciences
Country	Malaysia
Graduation Year	2011

M.Sc. (2005)

Major/ Degree Title	M.Sc.
Minor/ Specialization Topic	Information Systems Security
Title of MSc Thesis	Web Security
Institution	Universiti Sains Malaysia (USM), School of Computer Sciences
Country	Malaysia
Graduation Year	2005

B.Sc. (2002)

Major/ Degree Title	B.Sc. in Computer Science
Institution	Ajman University, College of Computer Sciences
Country	UAE
Graduation Year	2002

EMPLOYMENT

Current Employment

Institution & Country	College of Computer Sciences and Information Systems, IS Department
Current Job Title	Associate Professor
Working years after PhD	10 years

Experience & Employment History

Full-Time Work

From–To	Job Title	Employer
Nov 2020-Present	**Associate Professor,** Quality Coordinator	College of Computer Sciences and Information Systems, IS Department, Najran University, KSA
10/2015-Nov 2020	**Assistant Professor,** Head of IS Department	
04/2014 – 10/2020	**Assistant Professor,** Head of Academic Advising Unit	
7/2007-10/2008	**Research Officer**	Computer Security Research Group (CSRG), School of Computer Sciences, USM, Malaysia
10/2008 - 3/2009	**Research Assistant**	
8/2005-6/2007	**Lecturer**	**Lecturer**: Sana'a University, Yemen, University Utara Malaysia (**UUM**), Open University Malaysia (**OUM**), Al-Andulse University, University of Science and Technology (**UST**).

Part-Time Work

From-To	Job Title	Job Details & Employer
Dec 2020-2021	**Assistant Prof,** **Cyber Security Higher Diploma**	Police Diploma, Ministry of Interior, Najran, KSA
Jan 2013-2015	**Lecturer,** Lecturer of Master Courses	Open University Malaysia (**OUM**), **UST**, Yemen Master of Business Administration (**MBA**) & Master of Information Technology (**MIT**) Programs
Sep 2013-Oct 2015	**Lecturer,** Lecturer (MIS, MBA)	Arab Academy for Banking & Financial Sciences (**AABFS**), Sana'a, Yemen Master of Business Administration (**MBA**) & Master of Information Systems (**MIS**) Programs
Jun 2000-Oct 2003	**System Administrator**	Alfarha Company, Sharjah. UAE

TEACHING EXPERIENCE

Number of teaching years at university **15 years** Number of teaching years after PhD **10 years**

Undergraduate Courses Taught *(from* **2005** *– till* **now***)*
In multicultural education environments & different programs of KSA, Malaysian and Yemeni universities:
Najran University, University of Science & Technology (**UST**), Universiti Sains Malaysia (**USM**), Universiti Utara Malaysia (**UUM**), Al-Andulse University

Course Title	Course Level	Program
Advanced IT Management	Undergraduate	BSc
Artificial Intelligence	Undergraduate	BSc
Cryptography and Systems Security	Undergraduate	BSc
Database Systems	Undergraduate	BSc
Human Computer Interaction	Undergraduate	BSc
Information Systems Development	Undergraduate	BSc
Information Technology Management	Undergraduate	BSc
Introduction to Computer Science, Information Systems Fundamentals	Undergraduate	BSc
Practical Training, Industrial Training	Undergraduate	BSc
Database Management Systems	Undergraduate	BSc
Digital Forensic	Undergraduate	BSc
Software Engineering	Undergraduate	BSc
Strategic Information Systems	Undergraduate	BSc
Systems Analysis and Design	Undergraduate	BSc
Web-based Systems, Principles of Web Applications	Undergraduate	BSc
E-Commerce, E-Business, Advanced E-Commerce	Undergraduate	BSc, BBA
Enterprise Resources Planning (ERP), Systems Integration	Undergraduate	BSc, BBA
Management Information Systems (MIS)	Undergraduate	BBA

Postgraduate Courses Taught *(from* **2012** *– till* **now***)*
In multicultural education environments & different programs of KSA, Malaysian and Yemeni universities:
Najran University, University of Science & Technology (**UST**), Open University Malaysia (**OUM**), & Arab Academy for Banking & Financial Sciences (**AABFS**)

Course Title	Course Level	Program
Research Seminars in Computing	Postgraduate	MSc
Enterprise Systems, Enterprise Computing	Postgraduate	MSc
Advanced Database Systems	Postgraduate	MSc
Advanced E-Business	Postgraduate	MSc
ICT Resource Management, Information Systems Management	Postgraduate	MSc
Information Systems Planning	Postgraduate	MSc
Knowledge Management	Postgraduate	MSc
Methodology of IS Development, Advanced Systems Analysis and Design	Postgraduate	MSc
Information Technology for Managers	Postgraduate	MBA
Advanced Management Information Systems (MIS)	Postgraduate	MBA

QUALITY, CURRICULUM AND PROGRAMS DEVELOPMENT

As a quality program coordinator of IS program role includes, but is not limited to, review standards, policies, and procedures, as well as carry the program to evaluate the effectiveness of all processes of IS program. Chair of the Program Accreditation Committee to complete provision of the academic accreditation requirements for IS program according to NCAAA & ABET. Also a head of different committees for: developing new programs, accreditation, program specification, and self-study report (SSR).

Evaluation & Assessments

Head in different committees related to evaluation and assessment of learning outcomes:

- Program Learning Outcomes Assessments.
- Course Learning Outcomes Assessments.
- KPI Assessments.
- Student's Satisfactions Evaluations.

Courses Specification & Evaluation

Participated in the committees for developing new curriculums and the course specifications/descriptions of the courses includes:

Course Title Developed
Fundamentals of Information Technology
Information Technology Management
Enterprise Resources Planning
Advanced Information Technology
Geographical Information Systems
Knowledge-Based Systems
Principles of E-Business
Management Information Systems

Course Title Developed
Digital Forensic
Cyber Security
Strategic Information Systems Planning
Bioinformatics
Information Systems Management
Project Management
Advanced E-Business
Database Systems Management, Advanced Database Systems
Advanced Management Information Systems

GRANTS, HONORS, and AWARDS

Grants	Date/Times

Awarded many research grants includes, but is not limited to, as follows:

Research Grants Research Deanships of Najran University, Najran, KSA, and Universiti Sains Malaysia	Dates
Prepare to get grants for funding research/ projects, and work to manage them successfully.	
Grant-1: (Najran University NU/-/SERC/10/640): **A framework for a cybersecurity curriculum to be integrated into university majors** Funding Sponsor: Ministry of Education, KSA The Research Leader: Dr. Ghassan Ahmed Ali Objectives: - To propose a framework which can be implemented in most university majors for teaching cyber security. - To align the curriculum of most university majors to include the cyber security concepts. - And to figure out how the cyber security can serve such majors.	**April 2021- March 2022**
Grant-2: (Najran University NU/-/SERC/10/639): **Accessibility Analysis of Saudi University Websites for Vision Disable People Using Accessibility Testing Tools** Funding Sponsor: Ministry of Education, KSA The Research Leader: Dr. Ghassan Ahmed Ali Objectives: - To select of Saudi University websites for web accessibility evaluation - To implement different tools for web accessibility evaluation - To approve web content accessibility guidelines WCAG 1.0 and WCAG 2.0 by using the automatic web accessibility evaluation tools AChecker, TAW and WAVE.	**March 2021- April 2022**
Grant-3: (Najran University NU/ESCI/18/001): **Strategies for Reducing the Spread of COVID-19 Based on an Ant-Inspired Framework** Funding Sponsor: Ministry of Education, KSA, (Special researches on the emerging virus COVID_19). The Research Leader: Dr. Ghassan Ahmed Ali Objectives: - To describe how social insects protects themselves and members from disease. - To enhance our understanding of these strategies and explore insects' social systems and how they specifically respond to infectious diseases. - To formulize and implement an approach based on social insects to prevent spreading of COVID-19	**April 2020- August 2021**
Grant-4: (Najran University NU/ESCI/18/001): **Data Driven and Analytics for effectiveness academic advising with the emergence of the COVID-19** Funding Sponsor: Ministry of Education, KSA, (9th Stage). The Research Leader: Dr. Ghassan Ahmed Ali Objectives: - To describe how effective academic guidance is provided to students through distance learning - To compare the difference between face-to-face academic advising and remote advice - To build a framework that guides students to obtain the best results and adapt to the university environment.	**April 2020- Sep 2021**
Grant-5: (Najran University NU/ESCI/15/028): **Routing Optimization in WBAN using Bees Algorithm for Overcrowded Hajj Environment** Funding Sponsor: Ministry of Education, KSA. The Research Leader: Dr. Ghassan Ahmed Ali The work is based on Bees Algorithm to overcome such challenges and find shortest path for data within shortest time during overcrowded of Hajj environment.	**April 2018- August 2019**
Grant-6: Title: **A hybrid approach to improve detection of IDS** Funding Sponsor: Ministry of Science, Technology & Innovation (MOSTI), Government of Malaysia The Research Leader: PROF. DR. Aman Jantan The Research Assistant Leader: Ghassan Ahmed Ali Developed a model for A Hybrid (Neural Network and Fuzzy Logic) Approach for a better Intrusion Detection System (IDS) Architecture to Counter Intrusion, Espionage, and Cyber-Warfare. Assisted Principal Researcher in conducting research, writing research papers, proposals.	**July 2007 - Oct 2008**
Grant-7: Title: **A model for Optimizing Anti-Virus Detection by Using GA.** Funding Sponsor: Ministry of Science, Technology & Innovation (MOSTI), Government of Malaysia The Research Leader: PROF. DR. Aman Jantan The Research Assistant Leader: Ghassan Ahmed Ali Exhibited leadership while enhancing the researchers to achieve stated goals. Composed the funding proposals which amounted to $15,000 (USM Short Term Grant).	**Nov 2008 - Mar 2009**

Professional Activities, Certificates & Associations' Membership

Community Services/ Activity/ Contribution/ Participation
IEEE Membership (MemNo.94815979).
Certified Ethical Hacker (C|EH) Certification. USA
Member of Malaysia Information Security Professional.
Listed in Who's Who in the World 2011 -Publications - Marquis Who's Who.
Risk Management Framework (RMF) Exam Certificate, Defense Security Service, USA
Cybersecurity Awareness Certificate, Defense Security Service, USA
Member of the Technical Committee for many International Conferences. Member of The Reviewer Committee for many International Journals.

PUBLICATIONS

- Strategies for Reducing the Spread of COVID-19 Based on an Ant-Inspired Framework. Intelligent Automation & Soft Computing, 30(1), 351–360. (2021). SCOPUS, ISI. IF: 1.647

- Roadmap for incorporation vocational certification into university curriculum, International Journal of Advanced Trends in Computer Science and Engineering, June 2019. Scopus Indexing.

- Protecting Users from Phishing Email through Awareness and Training, Indian Journal of Science and Technology; Volume 12, Issue 25, July 2019. ISI Web of Science Indexing.

- Phishing Email: Could We Get Rid of It? A Review on Solu-tions to Combat Phishing Emails 4th International Conference of Reliable Information and Communication Technology Sept 22-23, 2019 (IRICT 2019), Malaysia. ISI Proceedings, SCOPUS, Springerlink.

- Routing Optimization in WBAN using Bees Algorithm for Overcrowded Hajj Environment. INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS 9, no. 5 (2018): 75-79. Scopus, Web of Science indexing

- A conceptual framework of WMN enabled WBAN system for pilgrims' health monitoring during Hajj in the kingdom Saudi Arabia, ARPN Journal of Engineering and Applied Sciences, 2018. Scopus Indexing.

- From Insect to Secure: Applying Nest-mate Recognition Approach of Honeybee to Improve Intrusion Detection System, International Journal for Information Security Research (IJISR), Volume 5, Issue 4, 2016.

- Professional Certification behind Academic Curricula,1st national computing colleges conference-NCCC-2016, KSA

- Enhancing Intrusion Detection System (IDS). The 7th International Conference on Information Technology ICIT 2015, Jordan. 2015

- A new Approach Based on Honeybee to Improve Intrusion Detection System Using Neural Network and Bees Algorithm, Second International Conference on Software Engineering and Computer Systems, June 27-29, Springer, Pahang, Malaysia, 2011

- A Potent Model for Unwanted Traffic Detection in QoS Network Domain, International Journal of Digital Content Technology and its Applications - JDCTA, Volume 4, Number 2, April 2010, p122-130

- Honeybee-based Model to detect intrusion, NASSUE/ISA 2009, Springer, LNCS Volume 5576, South Korea, Seoul, 2009.

- An approach based on honeybee colony to improve security vulnerabilities ". IEEE International Workshop on Digital infoTainment and Visualization, (IWDTV2008), Malaysia , 2008

- Alarm Correlation Model to Eliminate False Alarm in Intrusion Detection System, CAMP '08, 2008, Malaysia

- FIN Flag Sending in order to kill Connection and ACK Flag to Spoof Trusted IP, CAMP '08, 2008, Malaysia

- Secure Connection to prevent Web Spoofing. Proceeding of the International Conference on Quantitative Sciences and its Applications. Pulau Pinang, Malaysia, December, 2005.