YAZAN AHMAD SADEQ ALSARIERA (PHD)

Associate Professor

Department of Computer Science, College of Information and Communications Technology,
Tafila Technical University, Tafila 66110, Jordan.
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Email: alsarierah@gmail.com | yazan@ttu.edu.jo
Website: cv.yznss.com
Google Scholar (h-index 17, 850+ Citations): **Yazan A. Alsariera**
Marital status: Married   **Date of birth**: 24/09/1988   **Nationality**: Jordanian
Address: Al-Mazar Dist., Al-Karak 61610, Jordan.
Canadian WES Educational Credential Assessment (Reference Number: **5820496**)

KEY SKILLS

- Proficiency in Software Engineering, Computational Intelligence, Secure Software Development, Software Testing, and Scientific Analysis.
- Demonstrated expertise in developing secure software and web applications with a strong emphasis on cybersecurity.
- Proven track record of effective management and implementation of strategic plans for successful project completion.
- Exceptional team player with a positive attitude and unwavering reliability.

EXPERIENCE

Associate Professor (Full-Time)   **February 26, 2024 – present**

Department of Computer Science, College of Information and Communications Technology, Tafila Technical University, Tafila, Jordan.

- Director of Computer and Information Technology Center (**July 29, 2024 – present**).
- Faculty Member, Department of Computer Science: Teaching Cybersecurity classes and labs
- Researcher, Department of Computer Science

Associate Professor (Full-Time)   **December 29, 2022 – August 25, 2024**

Department of Computer Science, College of Science, Northern Border University, Arar – KSA.

- Banner SIS and Argos Report Administrator, Deanship of Admissions and Registration.
  - Functional Application manager (Banner and Argos) (Nov 2022 – till now).
    - Duties: Provide functional and technical support for Banner students; Helping with building day-to-day reports; Solving technical problem in banner; Managing the General Person and students; Academic statues and academic history; Class scheduling; Registration; Faculty Load; Graduation process; Apply VPS rules, …etc.
- Faculty Member, Department of Computer Science: Teaching classes and labs
- Researcher, Department of Computer Science

Assistance Professor (Full-Time)   **August 25, 2018 – December 29, 2022**

Department of Computer Science, College of Science, Northern Border University, Arar – KSA.

- Information technologist, Office of the Vice President of Academic Affairs, Higher Administration
- Banner SIS and Argos Report Administrator, Deanship of Admissions and Registration.
- Faculty Member, Department of Computer Science: Teaching classes and labs
- Cybersecurity Graduate Program Instructor, Deanship of Community Service and Continuing Education
- Researcher, Department of Computer Science

Research and Teaching Assistant (GRS contract - Part-Time)   **September 8, 2014 – February 18, 2017**

University of Malaysia Pahang, Kuantan, Malaysia.

- Faculty Postgraduate Colloquium Committee Vice Chairman, Assisting in Postgraduate Colloquiums and Events for 10 months (1st March 2016 to 31st December 2016)
- Researcher, Department of Software Engineering
- Teaching Assistant, Teaching undergraduate classes and labs (Academic Duties: 6 Credits per Semester)

Software and Web Developer (Full-Time)   **September 5, 2010 – March 17, 2011**

Mawaqe'e Lil Tasweeq Company, Amman, Jordan.

- Proficient in developing software and web applications using Code-First approach.
- Experienced in maintaining stored procedures, User-Defined Functions, Indexes, Views, Tables, and Relationships on SQL Server Databases.

Technical Support Specialist (Part-Time)   **November 12, 2006 – August 26, 2010**

Mutah Computer Center (MCC), Al Karak, Jordan.

- Customer Technical Support Case Management
- Computer Operating System and Application Installation and Configuration
- System and Network Problem Troubleshooting, Hardware and Software Fault Diagnosis and Solution Implementation
- Computer Component Testing and Replacement to Maintain System Functionality
- Password Issue Resolution
- New Technology Testing and Evaluation
- Electrical Safety Checks on Computer Equipment.

EDUCATION

Doctor of Philosophy in Software Engineering   **January 17, 2018**

University of Malaysia Pahang, Kuantan, Malaysia

Dissertation: "A Bat-Inspired T-Way Strategy for Mixed-Strength Test Suite Generation."

- In short, the research focuses on optimizing exponential test data in software testing using artificial intelligence algorithms.

Master of Computer Science in Software Engineering (*Very Good***)**   **August 15, 2013**

University of Putra Malaysia, Selangor, Malaysia

Thesis: "An Object-Oriented Anti-Patterns Tracking and Detection Technique."

- In short, the research focuses on the detection of object-oriented design anti-patterns that leads to high complexity.

Bachelor of Science in Computer Science (*Good***)**   **September 5, 2010**

Mut'ah University, Al-Karak, Jordan

AWARDS

Certificate of Merit   **2016**

Invention Expo (INPEX 2016), America's Largest Invention Trade Show, 7th – 9th of June 2016, Monroeville Convention Center, Pittsburgh, Pennsylvania, USA.

Gold Medal   **2015**

In the International Conference and Exposition on Inventions by Institutions of Higher Learning (PECIPTA15), 4th – 6th of December 2015, Kuala Lumpur Convention Centre, Malaysia.

Gold Medal   **2015**

In the Creation, Innovation, Technology and Research Exposition (Citrex2015), 9th – 10th of March 2015, University of Malaysia Pahang (UMP), Kuantan, Malaysia.

Certificate of Best Paper Award   **2014**

In the 8th Malaysian Software Engineering Conference (MySEC2014), 23rd – 24th of September 2014. Melitus Langkawi Hotel, Langkawi, Kedah, Malaysia.

PUBLICATIONS JOURNALS / CONFERENCES / SYMPOSIUMS (JCR & SJR based on the published date)

2024

[1]. Yahia Said, Yazan Alsariera, "AI-Based Helmet Violation Detection for Traffic Management System", Computer Modeling in Engineering & Sciences, vol 141 (1), pp. 733-749, 2024. (WoS indexed IF = 2.4, **Q3** – JCR 2022 and Scopus indexed SJR =0.34, **Q3** – SJR 2022).

[2]. Yazan A. Alsariera, Waleed Fayez Awwad, Abeer D. Algarni, Hela Elmannai, Margarita Gamarra, José Escorcia-Gutierrez, "Enhanced Dwarf Mongoose optimization algorithm with deep learning-based attack detection for drones", Alexandria Engineering Journal, Elsevier, vol 93 (2024), pp. 59-66, 2024. (WoS indexed IF = 6.8, **Q1** – JCR 2022 and Scopus indexed SJR =0.93, **Q1** – SJR 2022).

[3]. Yazan A Alsariera, Meshari H Alanazi, Yahia Said, Firas Allan, "An Investigation of AI-Based Ensemble Methods for the Detection of Phishing Attacks", Engineering Technology & Applied Science Research, vol 14 (3), pp. 14266-14274, 2024. (WoS indexed IF = 1.5, Q2 **ESCI**).

[4]. Yahia Said, Yahya Alassaf, Yazan Alsariera, Refka Ghodhbani, Taoufik Saidani, Olfa Ben Rhaiem, Moayad Khaled Makhdoum, "Traffic flow management by detecting and estimating vehicles density based on object detection model", Neural Computing and Applications, Springer, vol 2024, 2024. (WoS indexed IF = 6.0, **Q1** – JCR 2022 and Scopus indexed SJR =1.26, **Q1** – SJR 2023).

[5]. Yahia Said, Yazan A. Alsariera, "Hardware Implementation of a Deep Learning-based Model for Image Quality Assessment", Engineering Technology & Applied Science Research, vol 14 (3), pp. 13815-13821, 2024. (WoS indexed IF = 1.5, Q2 **ESCI**).

[6]. Mohammad A. Ibraigheeth, Aws I. Abu Eid, Yazan A. Alsariera, Waleed F. Awwad, Majid Nawaz, "A New Weighted Ensemble Model to Improve the Performance of Software Project Failure Prediction", International Journal of Advanced Computer Science and Applications (IJACSA), The Science and Information (SAI) Organization, vol. 15 (2), pp. 359-365, 2024. (Emerging Citation index (WoS) – JCR 2024 and **Q3** Scopus indexed SJR =0.26 – SJR 2022).

2023

[7]. Yahia Said, Mohamed Atri; Marwan Ali Albahar; Ahmed Ben Atitallah; Yazan A. Alsariera, "Obstacle Detection System for Navigation Assistance of Visually Impaired People Based on Deep Learning Techniques", Sensors, MDPI, 2023, 23(11), 5262. (WoS indexed IF = 3.847, **Q2** – JCR 2021 and Scopus indexed SJR =0. 76, **Q1** – SJR 2021).

[8]. Yahia Said, Mohamed Atri; Marwan Ali Albahar; Ahmed Ben Atitallah; Yazan A. Alsariera, "Indoor signs detection for visually impaired people navigation assistance based on a lightweight anchor-free object detector", International Journal of Environmental Research and Public Health, MDPI, 2023, 20(6), 5011. (Scopus **Q1** indexed– SJR 2021**)**

[9]. Yahia Said, Mohamed Atri; Marwan Ali Albahar; Ahmed Ben Atitallah; Yazan A. Alsariera, "Scene Recognition for Visually Impaired People Navigation Assistance based on Vision Transformer with Dual Multi-Scale Attention", Mathematics, MDPI, 2023, 11(5), p. 1127. (WoS indexed IF = 2.592, **Q1** – JCR 2021 and Scopus indexed SJR =0. 54, **Q2** – SJR 2021).

2022

[10]. Abdulwahab A. Q. Hasan, Ammar Ahmed Alkahtani, Mohammad Aminu Islam, Yazan A. Alsariera, Santhiran Sathiswary, Nabilah M Kassim, Mohammad Ismail Hossain, Yasuaki Ishikawa, Nowshad Amin, "Impact Analysis of Potential Induced Degradation (PID) on Crystalline Silicon Solar Cell Performance by Correlating Practical Diagnosis and MATLAB Simulink Simulation", Materials, MDPI, 2022. (WoS indexed IF = 3.748, **Q1** – JCR 2021 and Scopus indexed SJR =0. 6, **Q2** – SJR 2021).

[11]. Yazan A Alsariera, Yahia Baashar, Gamal Alkawsi, Nor'ashikin Ali, "Assessment and evaluation of different machine learning algorithms for predicting student performance", Computational Intelligence and Neuroscience, Hindawi, 2022. (WoS indexed IF = 3.633, **Q1** – JCR 2020 and Scopus indexed SJR =0. 61, **Q1** – SJR 2020).

[12]. Yazan A. Alsariera, "Detecting Block Ciphers Generic Attacks: An instance-based Machine Learning Method.", International Journal of Advanced and Applied Sciences (IJAAS), Institute of Advanced Science Extension (IASE), vol. 9, No. 5, 2022. (Emerging Citation index (WoS) and Scopus indexed SJR =0. 1, **Q4** – SJR 2021).

[13]. Ammar K Alazzawi, Helmi Md Rais, Shuib Basri, Yazan A Alsariera, Abdullahi Abubakar Imam, Saad Adnan Abed, Abdullateef Oluwagbemiga Balogun, Ganesh Kumar, "Recent t-way Test Generation Strategies Based on Optimization Algorithms: An Orchestrated Survey", International Conference on Artificial Intelligence for Smart Community: AISC 2020, 17–18 December, Universiti Teknologi Petronas, Malaysia, 2022, 1055-1060, Springer Nature Singapore.

[14]. Yahia Baashar, Gamal Alkawsi, Abdulsalam Mustafa, Ammar Ahmed Alkahtani, Yazan A Alsariera, Abdulrazzaq Qasem Ali, Wahidah Hashim, Sieh Kiong Tiong, "Toward Predicting Student's Academic Performance Using Artificial Neural Networks (ANNs)", Applied Sciences, MDPI, vol. 12, no. 3, 2022. (WoS indexed IF = 2.679, **Q2** – JCR 2020 and Scopus indexed SJR =0. 44, **Q2** – SJR 2020).

[15]. Yazan A. Alsariera, Victor E. Adeyemo, Abdullateef O. Balogun, Omar H. Tarawneh, Hammed A. Mojeed. "Intelligent Tree-based Ensemble Approaches for Phishing Website Detection", Journal of Engineering Science & Technology, vol. 17, no. 1, 2022. (Emerging Citation index (WoS) and Scopus indexed SJR =0. 22, **Q3** – SJR 2020).

[16]. Ahmed H. Al Omari, Yazan A. Alsariera, Hussam S. Alhadawi, Mahmoud A. Albawaleez, Sultan S. Alkhliwi, "A Closer Look on Challenges and Security Risks of Voice Over Internet Protocol Infrastructures", IJCSNS International Journal of Computer Science and Network Security, Korea Science, vol. 22, no. 2, 2022. (Emerging Citation index (WoS)).

2021

[17]. Yazan A. Alsariera, Ahmed H. Al Omari, Mahmoud A. Albawaleez, Yousef K. Sanjalawe, Kamal Z. Zamli, "Hybridized BA & PSO t-way Algorithm for Test Case Generation", International Journal of Computer Science and Network Security, Korea Science, vol. 21, no. 10, 2021. (Emerging Citation index (WoS)).

[18]. Ammar K Alazzawi, Helmi Md Rais, Shuib Basri, Yazan A Alsariera, Luiz Fernando Capretz, Abdullateef Oluwagbemiga Balogun, Abdullahi Abubakar Imam, "HABCSm: A Hamming Based t-way Strategy based on Hybrid Artificial Bee Colony for Variable Strength Test Sets Generation", INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, Agora University of Oradea, Romania, vol. 16, no. 5, 2021. (WoS indexed IF = 2.293, **Q3** – JCR 2021 and Scopus indexed SJR =0. 42, **Q2** – SJR 2020).

[19]. Yazan A. Alsariera, "Hybridized Decision Tree methods for Detecting Generic Attack on Ciphertext", IJCSNS International Journal of Computer Science and Network Security, Korea Science, vol. 21, no. 7, 2021. (Emerging Citation index (WoS), ISSN 1738-7906).

[20]. Dhuha Habeeb, Fuad Noman, Ammar Ahmed Alkahtani, Yazan A Alsariera, Gamal Alkawsi, Yousef Fazea, Ammar Mohammed Al-jubari, "Deep-Learning-Based Approach for Iraqi and Malaysian Vehicle License Plate Recognition", Computational Intelligence and Neuroscience, Hindawi, vol. 2021, 2021. (WoS indexed IF = 3.633, **Q1** – JCR 2020 and Scopus indexed SJR =0. 61, **Q1** – SJR 2020).

[21]. Yazan A. Alsariera. "Detecting Generic Network Intrusion Attacks using Tree-based Machine Learning Methods. ", International Journal of Advanced Computer Science and Applications (IJACSA), vol. 12 (2), pp. 597-603, 2020. (Emerging Citation index (WoS) – JCR 2020 and Q3 Scopus indexed SJR =0. 19 – SJR 2020).

2020

[22]. Yazan A. Alsariera, Victor E. Adeyemo, Abdullateef O. Balogun, Ammar K. Alazzawi. " AI Meta-Learners and Extra-trees Algorithm for the Detection of Phishing Websites. ", IEEE Access, vol. 8, pp. 142532-142542, 2020. (**Q1** WoS indexed IF = 3.745 – JCR 2019 and **Q1** Scopus indexed SJR =0. 327 – SJR 2019).

[23]. Yazan A. Alsariera, Adeyemo V. Elijah, Abdullateef O. Balogun. "Phishing Website Detection: Forest by Penalizing Attributes Algorithm and Its Enhanced Variations", Arabian Journal for Science and Engineering, Springer. (WoS indexed IF = 1.711, **Q3** – JCR 2019 and Scopus indexed SJR =0. 327, **Q2** – SJR 2019).

[24]. Ammar K Alazzawi, Helmi Md Rais, Shuib Basri, Yazan A. Alsariera, Abdullateef Oluwagbemiga Balogun, Abdullahi Abubakar Imam, "A Hybrid Artificial Bee Colony Strategy for t-way Test Set Generation with Constraints Support ", Journal of Physics: Conference Series, IOP Publishing (**Q3** Scopus indexed SJR =0.23 – SJR 2019).

[25]. Ammar K. Alazzawi, Helmi Md Rais, Shuib Basri, Yazan A. Alsariera, "Pairwise Test Suite Generation Based on Hybrid Artificial Bee Colony Algorithm", Advances in Electronics Engineering, Lecture Notes in Electrical Engineering, Springer, 2020, 619, p. 137-145. (**Q3** Scopus indexed SJR =0.138 – SJR 2018).

[26]. D.M. Hoat, Omar Tarawneh, Yazan A. Alsariera, Khaled Salehi, Mosayeb Naseri, "Strain tunable electronic and optical properties of 2D orthorhombic Lithium Sulfur Monolayer", Chemical Physics, Elsevier. (**Q3** WoS indexed IF = 1.822 – JCR 2018, **Q2** Scopus indexed SJR =0.481 – SJR 2018).

2019

[27]. AK Alazzawi, HM Rais, S Basri, YA Alsariera. "PhABC: A Hybrid Artificial Bee Colony Strategy for Pairwise test suite Generation with Constraints Support", IEEE Student Conference on Research and Development (SCOReD), 106-111, 2019.

[28]. Ameen A. BA Homaid, AbdulRahman A. Alsewari, Kamal Z. Zamli Yazan A. Alsariera ,Ammar K. Alazzawi. "Adapting the Elitism on the Greedy Algorithm for Variable Strength Combinatorial Test Cases Generation", *IET Software, vol. 13, no. 4, pp. 286-294,.* (**Q4** *WoS indexed IF = 0.733* – JCR 2018, **Q2** Scopus indexed SJR =0.549 – SJR 2018).

2018

[29]. Yazan A. Alsariera, Hammoudeh S. Alamri and Kamal Z. Zamli. "A Bat-Inspired Testing Strategy for Generating Constraints Pairwise Test Suite", *Advanced Science Letters, American Scientific Publishers, vol. 24, no. 10, pp. 7245-7250, 2018.* (**Q4** Scopus indexed SJR =0.13– SJR 2017).

[30]. Hammoudeh S. Alamri, Yazan A. Alsariera, and Kamal Z. Zamli. "Opposition-based Whale Optimization Algorithm". *Advanced Science Letters, American Scientific Publishers, vol. 24, no. 10, pp. 7461-7464, 2018.* (**Q4** Scopus indexed SJR =0.13– SJR 2017).

[31]. Hussam Alddin S. Ahmed, Mohamad F. Zolkipli, Yazan A. Alsariera, Saba M. Ismail. "Pseudo random bits' generator based on Tent chaotic map and linear feedback shift register". *Advanced Science Letters, American Scientific Publishers, vol. 24, no. 10, pp. 7383-7387, 2018.* (**Q4** Scopus indexed SJR =0.13– SJR 2017).

2017

[32]. Yazan A. Alsariera and Kamal Z. Zamli. "A real-world test suite generation using the bat-inspired t-way strategy. *In the 10th Asia Software Testing Conference (SOFTEC2017)*, Kuala Lumpur, Malaysia.

[33]. Ahmed HA, Ali MH, Kadhum LM, Zolkipli MF, and <u>Yazan A. Alsariera</u>. "A Review of Challenges and Security Risks of Cloud Computing". *Journal of Telecommunication, Electronic and Computer Engineering*, vol. 9, no. 1-2. pp. 87-91, 2017. (**Q4** Scopus indexed SJR =0.109– SJR 2016).

[34]. AbdulRahman A. Alsewar, Ammar K. Alazzawi, Taha H. Rassem, Muhammad N. Kabir, Ameen A. Ba Homaid, <u>Yazan A. Alsariera,</u> Nasser M. Tairan and Kamal Z. Zamli, "ABC Algorithm for Combinatorial Testing Problem", *Journal of Telecommunication, Electronic and Computer Engineering,* vol. 9, no. 3-3. pp. 85-88, 2017. (**Q4** Scopus indexed SJR =0.109– SJR 2016).

[35]. Hammoudeh S. Alamri, Alaa A. Al-Omoush, <u>Yazan A. Alsariera</u>, Kamal Z. Zamli. "Software Testing for Internet of Things (IoT)". *In the 10th Asia Software Testing Conference (SOFTEC2017)*, Kuala Lumpur, Malaysia.

2016   [36]. <u>Yazan A. Alsariera</u>, Abdullah M. Nasser, Kamal Z. Zamli, "Benchmarking of Bat-inspired Interaction Testing Strategy". *International Journal of Computer Science and Information Engineering*, vol. 7, no. 1, 71-79, 2016.

[37]. <u>Yazan A. Alsariera</u>, Kamal Z. Zamli, "TBat: A Novel Strategy for Minimization of T-Way Interaction Test Suite Based on the Particle Swarm Optimization and the Bat Algorithm".MA PATENT, 2016.

2015   [38]. <u>Yazan A. Alsariera</u> and Kamal Z. Zamli. "A Bat-inspired Strategy for T-Way Interaction Testing", *Advanced Science Letters*, American Scientific Publishers, vol. 21, no. 7, pp. 2281-2284, 2015. (**Q4** Scopus indexed SJR =0.139 – SJR 2014).

[39]. <u>Yazan A. Alsariera</u>, Mazlina A. Majid, and Kamal Z. Zamli. "A Bat-inspired Strategy for Pairwise Testing", ARPN *Journal of Engineering and Applied Sciences,* ARPN, vol. 10, no. 18, pp. 8500-8506, 2015. (**Q3** Scopus indexed SJR =0.213 – SJR 2014).

[40]. Kamal Z. Zamli, <u>Yazan A. Alsariera</u>, Abdullah B. Nasser, and Abdul Rahman A. Alsewari. "On Adopting Parameter Free Optimization Algorithms for Combinatorial Interaction Testing", ARPN *Journal of Engineering and Applied Sciences*, ARPN, vol. 10, no. 19, pp. 8987-8994, 2015. (**Q3** Scopus indexed SJR =0.213 – SJR 2014).

[41]. <u>Yazan A. Alsariera</u>, Mazlina A. Majid, and Kamal Z. Zamli. *"SPLBA: An Interaction Strategy for Software Product Line System Configuration Using Bat-Inspired Algorithm", In the 4th International Conference on Software Engineering and Computer Systems (ICSECS2015)*, Kuantan, Malaysia, IEEE Press, 2015. (Scopus indexed).

[42]. <u>Yazan A. Alsariera</u>, Mazlina A. Majid, and Kamal Z. Zamli. *"Adopting the bat-inspired algorithm for interaction testing", In the 8th Asia Software Testing Conference, (SOFTEC2015)*, 8th - 10th September 2015, Kuala Lumpur, Malaysia.

[43]. Abdullah B. Nasser, <u>Yazan A. Alsariera</u>, AbdulRahman A. AlSewari, Kamal Z Zamli. "A cuckoo search based pairwise strategy for combinatorial testing problem", *Journal of Theoretical and Applied Information Technology*, vol. 82, no. 1, pp. 154-162, 2015. (**Q3** Scopus indexed SJR =0.167 – SJR 2014).

[44]. Abdullah B. Nasser, <u>Yazan A. Alsariera</u>, AbdulRahman A. AlSewari, Kamal Z Zamli. "Assessing optimization-based strategies for t-way test suite generation: The case for flower-based strategy", *In the International Conference on Control System, Computing and Engineering (ICCSCE2015)*, Penang, Malaysia, pp. 150-155, IEEE Press, 2015. (Scopus indexed).

2014   [45]. <u>Yazan A. Alsariera</u> et al. "Comparative performance analysis of bat algorithm and bacterial foraging optimization algorithm using standard benchmark functions*", In the 8th Malaysian Software Engineering Conference (MySEC2014)*, pp. 295-300. IEEE Press, 2014. (Scopus indexed).

[46]. Abdullah M. Nasser, <u>Yazan A. Alsariera</u>, Kamal Z. Zamli and B AlKazcmi. "Late Acceptance Hill Climbing Based Strategy for Addressing Constraints within Combinatorial Test Data Generation". *In the 7th Asia Software Testing Conference (SOFTEC2014)*, Malaysia, pp. 12-16, 2014.

FUNDING

Fund No.	Project Title	Role	Institution
FRGS-2016-011	Bat strategy for Test Case Generation	Main Researcher	University of Malaysia Pahang
SCI-2018-3-9-F-6682	Hybridized BA & PSO t-way Algorithm for Test Case Generation	Main Researcher	Northern Border University
SCI-2018-3-9-F-7572	A Closer Look on Challenges and Security Risks of Voice Over Internet Protocol Infrastructures	Associate Researcher	Northern Border University
IF-2020-4227	Does Online Education Support High Impact Educational Practices (HIEPs)	Consultant	Northern Border University
IF-2020-101	Toward predicting student's academic performance using artificial neural networks (ANNs)	Associate Researcher	Northern Border University and Universiti Tenaga Nasional
IF-2020-NBU-102	Assessment and evaluation of different machine learning algorithms for predicting Student performance	Main Researcher	Northern Border University
LRGS/1/2019/UKM-UNITEN/6/2	Impact Analysis of Potential Induced Degradation (PID) on Crystalline Silicon Solar Cell Performance by Correlating Practical Diagnosis and MATLAB Simulink Simulation	Associate Researcher	Universiti Tenaga Nasional
SCIA-2022-11-1603	A novel bijective substitution box design based on nomadic people optimizer and discrete chaotic map	Main Researcher	Northern Border University
KSRG-2022-023.	Obstacle Detection for Visually Impaired Assistance	Associate Researcher	King Salman Center for Disability Research
SCIA-2023-11-1603	An Investigation of AI Meta-Algorithm for the Detection of Phishing Attacks	Main Researcher	Northern Border University

EDITORIAL BOARD

[1]. International Journal of Science, Technology and Society [2019 – 2023].

REVIEWING

[1]. Mobile Information Systems, Hindawi
[2]. Journal of Software: Evolution and Process, Wiley.
[3]. Multimedia Tools and Applications, Springer.
[4]. Alexandria Engineering Journal, Elsevier.
[5]. Discrete Dynamics in Nature and Society, Hindawi
[6]. IET Software.
[7]. Open Life Sciences, Degruyter.
[8]. Kuwait Journal of Science
[9]. Information and Software Technology, Elsevier.
[10]. Journal of Engineering Science & Technology (Taylor's).
[11]. International Journal of Software Engineering and Technology.
[12]. International Computer Sciences and Informatics Conference (ICSIC 2022)
[13]. The 2nd International Conference on Emerging Smart Technologies and Applications (eSmarTA2022)
[14]. Emerging Technology in Computing, Communication and Electronics. 2020. (ETCCE 2020)
[15]. the International Conference on Software Engineering and Computer Systems (2015).
[16]. And Others …

JURY AND EXAMINERS

[1]. The International Competition and Exhibition on Computing Innovation (iCE-CInno 2016), December 6 – 8, 2016.
[2]. Final Year Project Examiner and Committee member at Northern Border University [2019 – present]

MEMBERSHIPS

[1]. Springer Journal Contributor
[2]. Springer Book Chapter Author
[3]. International Journal of Software Engineering and Technology.
[4]. Committee member In the International Conference on Software Engineering and Computer Systems (2015).

TAUGHT COURSES

[1]. **Infrastructure Security using Linux** (at Tafila Technical University for undergraduate level) 202510
[2]. **Special Topics in Cybersecurity** (at Tafila Technical University for undergraduate level) 202510
[3]. **Data & Software Security** (at Tafila Technical University for undergraduate level) 202420, 202510
[4]. **IoT** (at Tafila Technical University for undergraduate level) 202420
[5]. **Secure Software development** (at Northern Border University for graduate level)
[6]. **Security of operating system** (at Northern Border University for graduate level)
[7]. **Ethical hacking** (at Northern Border University for graduate level)
[8]. **Software engineering** (at Northern Border University for undergraduate level)
[9]. **Artificial intelligence** (at Northern Border University for undergraduate level)
[10]. **Web programming** (at Northern Border University for undergraduate level – PHP and MySQL)
[11]. **Operating system** (at Northern Border University for undergraduate level)
[12]. **Computer graphics** (at Northern Border University for undergraduate level)
[13]. **Final year project for undergraduate** (at Northern Border University) (*best graduation project award*)
[14]. **Database** (at University Malaysia Pahang)
[15]. **Web Development** (at University Malaysia Pahang – ASP.NET and MS-SQL)
[16]. **Software Testing** (at University Malaysia Pahang)

TRAINER AND COMMUNITY SERVICES

[1]. **Web Programming using PHP** ([Future skills initiative](), the [Ministry of Communication and Information Technology, KSA]())
[2]. **Information Security** (at Northern Border University)
[3]. **Setup a Personal Ethical Hacking Lab** (at Northern Border University)
[4]. **WordPress** (at Northern Border University)

COMMITTEES

[1]. Member of the Technical Committee to Study Technical Bids for Computer Laboratories Tender [2021].
[2]. Member of the Deanship of Information Technology strategic plan committee [2021].
[3]. Member of the gifted and distinguished student committee [2021– 2024].
[4]. Member of The Computer Science program accreditation committee [2021 – 2024]
[5]. Member of the business intelligence initiative committee [2020 – 2022].
[6]. smart classrooms upgrade for NBU strategic plan [2020 – present].
[7]. Coordinator of the smart classrooms upgrade for NBU strategic plan [2020 – 2024].
[8]. Coordinator of the computer labs upgrade for NBU strategic plan [2020 – 2024].
[9]. Member of the strategic plan for digital transformation at the university preparation committee [2021 – 2024]
[10]. Member of The Computer Science Department Study plans and programs committee [2020 – 2024]
[11]. Member of The Computer Science Department Graduation project committee [2021 – 2024]
[12]. Member of The Computer Science Department Labs and e-learnings committee [2021 – 2024]
[13]. Member of The Computer Science Department Postgraduate Studies and Scientific Research Committee [2021 – 2024]
[14]. Member of The University's Talented and Distinguished Committee [2021 – 2023]
[15]. Member of The Computer Science Program Supervising Committee of the Evaluation Study Project at the Program Accreditation Level [2021 – 2024]
[16]. Member of the Deanship of Information Technology Consulting Committee at Northern Border University. [2020 – 2023]
[17]. Member of The Standing Committee for Technical Equipment and Teaching Aids at the University [2020 – 2023]
[18]. Member of the Governance, leadership, and management to implement the self-study evaluation project for Institutional Accreditation Committee. [2019 – 2022]
[19]. Member of Computer Labs requirement Committee at Northern Border University. [2018 – 2021]
[20]. Member of Computer Science Counselor at Northern Border University. [2018 – 2023]
[21]. Member of Classroom Needs and Teaching Aids Committee at Northern Border University. [2018 – 2022]
[22]. Member of The Executive Committee to Follow up on the Electronic Monitoring Indicators of the National Anti-Corruption Commission (Nazaha) [2019 – 2020]
* Other Committee at the department, college, and university level.
** Several Committees at the Tafila Technical University.

ACCOMPLISHED SCIENTIFIC RESEARCH PROJECTS

[1]. Bat Algorithm for Software Testing, 2014 – 2017, University Malaysia Pahang.
[2]. A Hybrid Meta-heuristic t-way Algorithm for Test Case Generation, Northern Border University.
[3]. Security and performance of Voice Over Internet Protocols VoIP, Northern Border University.

COMMUNITY SERVICES
[1]. Admission Fair [2019, 2020, 2022]
[2]. Woman Day organization team [2020]

SEMINARS AND WORKSHOPS
[1]. Certificate of participation in using Mendeley software.
[2]. Certificate of participation in the "postgraduate seminar faculty of computer system and software engineering, UMP in collaboration with faculty of computer science and information technology, USU", March 23, 2015, organized by FSKKP, UMP, Malaysia.
[3]. Training on the use of academic performance efficiency indicators
[4]. QS standards and requirements, Northern Border University, January 03, 2021.

SHORT COURSES
[1]. Academic technical writing course, March 30-31, 2016, organized by UMP, Malaysia.
[2]. Technical writing using LaTeX Workshop, September 30, 2016, organized by UMP, Malaysia.
[3]. Performance Standards using Key Performance Indicators (KPI's)
[4]. New faculty members qualifying (15 hours).
[5]. Quality standards and academic accreditation (25 hours).
[6]. Admission and registration using Banner System.
[7]. Argos SQL report and query.
[8]. QS word ranking requirements.

EXHIBITION AND COMPETITION PARTICIPATION
[1]. Creation, Innovation, Technology & Research Exposition (CITREx 2016), March 7 – 8, 2016, Universiti Malaysia Pahang, Kampus Gambang, Kuantan, Malaysia.
[2]. UMP 3 Minutes thesis competition, March 30, 2016, Universiti Malaysia Pahang, Kampus Gambang, Kuantan, Malaysia.
[3]. International Conference on Computational Science and information Management (ICoCSIM 2015), 19 - 21 August 2015, Swiss-Garden Beach Resort, Kuantan, Pahang, Malaysia.
[4]. Information Technology Students Activity Fair (ITSAF2010), July 7 – 8, 2010, Petra University, Amman, Jordan.

DEVELOPMENT SKILLS
· Proficient in: Microsoft Visual Studio.NET (C#, VB), Python, PHP and Java.

· Practical experience in MySQL, and MS-SQL server databases.
· Familiar with:
  – Programming technologies: C++, Payton, LINQ, ADO.NET, ASP.NET, Ajax, JQuery and MVC.
  – Scripting languages: HTML5, JavaScript and CSS3.
  – UX design: bootstrap and font-awesome
  – Cross-platform web development such as: ASP Core, XAMPP and AMPPS.
  – OpenGL development.

TROUBLESHOOTING SKILLS
· Capable of Identify malwares and viruses and disable it manually, also extract it is functionality when needed.
· Android devices (root, bootloader troubleshooting, system installing).
· Routers (Linksys system, TP-Link system and D-Link system).
· Troubleshooting workstations and Laptops for hardware and software issues.
· Printers (USB, Parallel, IP/LAN) (Laser, Bubble/InkJet and All-in-One) and Scanners.

OTHER SKILLS
· Platforms: Hypervisors (VMware vSphere, ProxMax, Microsoft Hyper-v) Microsoft Windows and many of Linux distributions such as: Red hat, Ubuntu, kali Linux and openSUSE.

- Office package: Microsoft Office and Open Office.
- Backup software: AOMEI Backupper, EaseUS Todo Backup, Symantec Ghost, and Paragon Backup & Recovery.
- Disk partition software: Minitool Partition Wizard, Paragon Partition Manager, Partition Disk, Disk Manager.
- Design and video editing: Professional in Adobe Photoshop, illustrator, in design, Adobe Premiere Pro and familiar with Adobe After effects (sample available on yznss.com).

LANGUAGES

Arabic – native language.

English – speak fluently and read/write with high proficiency.

PROFESSIONAL LINKS AND NETWORKING

- Website: cv.yznss.com
- Google Scholar: scholar.google.com/citations?user=XQlBOlwAAAAJ
- Research gate: www.researchgate.net/profile/Yazan-Alsariera
- ORCID: orcid.org/0000-0003-1359-6336
- LinkedIn: www.linkedin.com/in/yznss
- Web of Science: B-9576-2016   (https://www.webofscience.com/wos/author/record/1398030)
- IEEE: ieeexplore.ieee.org/author/37085567162
- Scopus Author ID: 57216243342

REFERENCES

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