

# Academic Resume

## Muhammad Binsawad

Assistant Professor, Information Systems Department

### Contact Information.

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### Highest Degree.

2019, Ph.D, Information Systems, University of Technology Sydney UTS, Australia.

### Academic and Professional Experiences.

1. **2023 - Present**  
Associate Professor, Jeddah ,Saudi Arabia, Faculty of Computing and Information Technology, King Abdulaziz University.
2. **2021 - Present**  
Summer Training Coordinator, Department of Information Systems, Faculty of Computing and Information Technology, King Abdulaziz University, , .
3. **2021 - Present**  
Supervisor of Sports Committee, Jeddah, Saudi Arabia, Faculty of Computing and Information Technology, King Abdulaziz University.
4. **2021 - 2022**  
KAU- NC State Summer Training Program Manager, Jeddah, Saudi Arabia / Raleigh NC, United State, Faculty of Computing and Information Technology, King Abdulaziz University..
5. **2021 - 2022**  
Change Management Supervisor, Jeddah, Saudi Arabia, Vice Deanship of King Abdulaziz University for Development, , .
6. **2020 - 2021**  
General Supervisor of Cyber Security Club (Male Sections), Jeddah, Saudi Arabia, Faculty of Computing and Information Technology, King Abdulaziz University.
7. **2019 - Present**  
Assistant Professor, Jeddah ,Saudi Arabia, Faculty of Computing and Information Technology, King Abdulaziz University.
8. **2018 - 2019**  
Teaching Assistant, Sydney, Australia, University of Technology Sydney UTS.
9. **2014 - 2019**  
Academic Lecturer, Jeddah, Saudi Arabia, King Abdulaziz University.
10. **2013 - 2014**  
Business Analyst, Jeddah , Saudi Arabia, Madan International for Industry and Mining.
11. **2008 - 2010**  
Dengue Fever Interactive Operations Supervisor, Jeddah , Saudi Arabia, Jeddah Municipality.

## Research Interests.

Human Computer Interaction HCI, Empirical Studies, Artificial Intelligence, Digital Transformation, Informations Systems Modeling, CyberSecurity.

## Teaching Interests.

Software Engineering, Project Management, Database Management, Human Computer Interaction HCI, Information Assurance.

## Certifications and Trainings.

1. Critical and Creative Thinking.
2. Project Management.
3. Digital Competencies for Researchers.
4. Leadership and Communication.
5. Certified Project Manager (Projects IN Controlled Environments .PRINCE2).
6. DIPLOMA OF PROFESSIONAL DEVELOPMENT IN TEACHING AND LEARNING.
7. PMP Project Management Course (36 hours Training).
8. Organizational Change Management.
9. Leading Research Groups.
10. Change Management Practitioner (PROSCI).
11. PMP Project Management Professional Certification (PMP).

## Social, Scientific and Professional Affiliation.

1. -, Member, Association for Information Systems (AIS).
2. -, Member, IEEE.

## Excellence Awards and Patents.

1. 2016, International, Appreciation Award for Outstanding Performance, Saudi Cultural Mission in Australia.
2. 2018, International, Appreciation Award for Outstanding Performance, Saudi Cultural Mission in Australia.

## Publications.

1. Shariq Aziz Butt, Tuncay Ercan, Muhammad Binsawad, Paola-Patricia Ariza-Colpas, Jorge Diaz-Martinez, Gabriel Piñeres-Espitia, Emiro De-La-Hoz-Franco, Marlon Alberto Pineres Melo, Roberto Morales Ortega, Juan-David De-La-Hoz-Hernández, "Prediction Based Cost Estimation Technique In Agile Development", *Advances In Engineering Software*, vol: 175, pp. 103329, 2023.  
DOI: [10.1016/j.advengsoft.2022.103329](https://doi.org/10.1016/j.advengsoft.2022.103329)
2. Mousa Albashrawi, Jongtae Yu, Muhammad Binsawad, Yousef Asiri, "Moving To Digital-Healthy Society: Empathy, Sympathy, And Wellbeing In Social Media", *Pacific Asia Journal Of The Association For Information Systems*, Volume14, Issue2, Page71-89, 2022.
3. Muhammad Binsawad, Marwan Albahar, "A Technology Survey On Iot Applications Serving Umrah And Hajj", *Applied Computational Intelligence And Soft Computing*, vol: 2022, pp. 1-10, 2022.  
DOI: [10.1155/2022/1919152](https://doi.org/10.1155/2022/1919152)
4. Muhammad Binsawad, Ghazanfar Ali Abbasi, Osama Sohaib, "People'S Expectations And Experiences Of Big Data Collection In The Saudi Context", *Peerj Computer Science*, vol: 8, pp. e926, 2022.  
DOI: [10.7717/peerj-cs.926](https://doi.org/10.7717/peerj-cs.926)
5. GUANHONG ZHANG, GANG LV, MUHAMMAD BINSAWAD, H. ODBAL, "Dynamic Nonlinear Expression Recognition Technology Using Neural Network And Attention Mechanism", *Fractals*, vol: 30, 2022.  
DOI: [10.1142/S0218348X22400977](https://doi.org/10.1142/S0218348X22400977)
6. Bilal Khan, Rashid Naseem, Muhammad Binsawad, Muzammil Khan, Arshad Ahmad, "Software Cost Estimation Using Flower Pollination Algorithm", *Journal Of Internet Technology*, Volume 21, Issue 5, Page1243-1251, 2021.
7. Muhammed Binsawad, Marwan Albahar, Abdullah Bin Sawad, "Vgg-Covidnet: Bi-Branched Dilated Convolutional Neural Network For Chest X-Ray-Based Covid-19 Predictions", *Computers, Materials & Continua*, vol: 68, pp. 2791-2806, 2021.  
DOI: [10.32604/cmc.2021.016141](https://doi.org/10.32604/cmc.2021.016141)
8. Mousa Albashrawi, Yousef Asiri, Muhammad Binsawad, Latifah Alqahtani, "The Effect Of Social Media Use On Empathy And Welling: A Personality Perspective In Saudi Arabia", *Journal Of Asia Business Studies*, vol: 16, pp. 406-423, 2021.  
DOI: [10.1108/JABS-11-2020-0461](https://doi.org/10.1108/JABS-11-2020-0461)
9. Ahmad Althunibat, Muhammad Binsawad, Mohammed Amin Almaiah, Omar Almomani, Adeeb Alsaaidah, Waleed Al-Rahmi, Mohamed Elhassan Seliaman, "Sustainable Applications Of Smart-Government Services: A Model To Understand Smart-Government Adoption", *Sustainability*, vol: 13, pp. 3028, 2021.  
DOI: [10.3390/su13063028](https://doi.org/10.3390/su13063028)
10. Marwan A. Albahar, Ruaa A. Al-Falluji, Muhammad Binsawad, "An Empirical Comparison On Malicious Activity Detection Using Different Neural Network-Based Models", *Ieee Access*, vol: 8, pp. 61549-61564, 2020.  
DOI: [10.1109/ACCESS.2020.2984157](https://doi.org/10.1109/ACCESS.2020.2984157)
11. Muhammad Binsawad, "Corporate Social Responsibility In Higher Education: A Pls-Sem Neural Network Approach", *Ieee Access*, vol: 8, pp. 29125-29131, 2020.  
DOI: [10.1109/ACCESS.2020.2972225](https://doi.org/10.1109/ACCESS.2020.2972225)
12. Muhammad Binsawad, "Social Media Efficiency Towards Restaurant Business: A Comparison Between Social Media Profiles (Case Study In Saudi Arabia)", *Multimedia Tools And Applications*, vol: 79, pp. 31389-31399, 2020.  
DOI: [10.1007/s11042-020-09620-z](https://doi.org/10.1007/s11042-020-09620-z)

## Publications.

13. MUHAMMAD BINSAWAD, OSAMA SOHAIB, IGOR HAWRYSZKIEWYCZ, "Factors Impacting Technology Business Incubator Performance", International Journal Of Innovation Management, vol: 23, pp. 1950007, 2019.  
DOI: [10.1142/S1363919619500075](https://doi.org/10.1142/S1363919619500075)
14. Muhammad Binsawad, Osama Sohaib, Igor Hawryszkiewicz, Asma Aleidi, "Individual Creativity Towards Technology Business Incubator Performance", The 24th Americas Conference On Information Systems (Amcis2018), Amcis Publishing, New Orleans, Louisiana, United States, August 16-17. Isbn: 978-0-9966831-6-6, 2018.
15. Van Dong Phung, Igor Hawryszkiewicz, Muhammad Binsawad, "Exploring How Environmental And Personal Factors Influence Knowledge Sharing Behavior Leads To Innovative Work Behavior", vol: 26, pp. 97-112, 2018.  
DOI: [10.1007/978-3-319-74817-7\\_7](https://doi.org/10.1007/978-3-319-74817-7_7)
16. Muhammad Binsawad, Osama Sohaib, Igor Hawryszkiewicz, "Knowledge-Sharing In Technology Business Incubator", The 26th Information Systems Development: Advances In Methods, Tools And Management (Isd2017 Proceedings). Larnaca, Cyprus: University Of Central Lancashire, Cyprus, 2017.
17. Van Dong Phung, Igor Hawryszkiewicz, Muhammad Hatim Binsawad, "Applying The Fuzzy Analytic Network Process To Establish The Relative Importance Of Knowledge Sharing Barriers", The 19th International Conference On Information And Knowledge Management, The World Academy Of Science, Engineering And Technology, London, Uk, 2017.
18. Van Dong Phung, Igor Hawryszkiewicz, Muhammad Binsawad, "Exploring How Environmental And Personal Factors Influence Knowledge Sharing Behavior Leads To Innovative Work Behavior In Vietnamese Higher Education Institutions", The 26th Information Systems Development: Advances In Methods, Tools And Management (Isd2017). Larnaca, Cyprus: University Of Central Lancashire, Cyprus, 2017.
19. Muhammad Binsawad, Igor Hawryszkiewicz, Kyeong Kang, "The Influence Of The Knowledge-Sharing Process On Technology Business Incubator Performance In Saudi Arabia", In The 25th Information Systems Development: Complexity In Information Systems Development (Isd2016). Katowice, Poland: University Of Economics In Katowice. Isbn: 978-83-7875-307-0, 2016.
20. Muhammad Binsawad, Igor Hawryszkiewicz, Kyeong Kang, "Saudi Technology Incubation: An Analysis And Indication Of Gaps In Functioning", The 22nd Americas Conference On Information Systems (Amcis2016), Amcis Publishing, Held In San Diego, California, United States August 11-13, 2016.
21. Van Dong Phung, Igor Hawryszkiewicz, Muhammad Hatim Binsawad, "Classifying Knowledge-Sharing Barriers By Organisational Structure In Order To Find Ways To Remove These Barriers", 2016 Eighth International Conference On Knowledge And Systems Engineering (Kse), pp. 73-78, 2016.  
DOI: [10.1109/KSE.2016.7758032](https://doi.org/10.1109/KSE.2016.7758032)
22. Muhammad Binsawad, Igor Hawryszkiewicz, Kyeong Kang, "The Influence Of Creativity, Knowledge Sharing And Diffusion Of Innovation Towards Technology Incubators Performance In Saudi Arabia", The 26st International Business Information Management Association Conference (Ibima), Ibima Publishing, Spain, 2015.