

Academic Resume



Asif Irshad Khan

Assistant Professor, Computer Science Department

Asif Irshad Khan is working as an Assistant Professor in the Computer Science Department and earned his Ph.D. in Computer Science and Engineering from Singhania University, India. He contributed significantly to the academic community by reviewing over 550 SCI/SCIE articles across prestigious journals. Dr. Khan is the author or co-author of over 50 papers in SCI/SCIE-ranked journals. His research interests include Artificial Intelligence, Machine Learning, and Software Engineering.

Contact Information.

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Highest Degree.

2014, Ph.D. in Computer Science and Engineering, Software Engineering, Singhania Univeristy, India.

Academic and Professional Experiences.

1. **2019 - Present**
Assistant Professor, Computer Science Department , FCIT, KAU.
2. **2008 - 2009**
Lecturer, Sultanate of Oman, Al- Musanna college of Technology.
3. **2006 - 2008**
Lecturer, Saudi Arabia, Jazan University.
4. **2002 - 2006**
Software Engineer, Saudi Arabia, M. Y. Naghi Group.
5. **2001 - 2001**
Project Trainee / Programmer, India, IIT / AIIMS.
6. **1999 - 2000**
Lecturer, India, Aligarh College of Engg. & Management.

Research Interests.

Artificial Intelligence, Machine Learning, Software Engineering, Software Security.

Teaching Interests.

Component Based Computing, Software Engineering, Database Management System, Machine Learning, Programming.

Certifications and Trainings.

1. Java 7 course from Oracle academy.
2. ICDL (International Computer Driving License).
3. Data Lakes for Big Data, from EMC2.
4. Introduction to Data Science (DS0101EN, provided by Cognitive Class).
5. Python 101 for Data Science (PY0101EN, provided by Cognitiveclass).
6. Reactive Architecture: Introduction to Reactive Systems (LB0101ENv1, provided by Lightbend).
7. Reactive Architecture: Domain Driven Design (LB0103ENv1, provided by Lightbend).
8. Big Data 101 ((BD0101EN, provided by Cognitive Class).
9. Deep Learning Fundamentals (ML0115EN, provided by DeepLearning.TV).
10. Cyber Security and Digital Forensics.

Social, Scientific and Professional Affiliation.

1. 2016-Present, Technical Board, International Journal of Engineering and Applied Computer Science (IJEACS).
2. 2017-Present, Reviewer, The Canadian Center of Science and Education , journal of Computer and Information Science.
3. 2016-Present, Reviewer, International Journal of Scientific and Engineering Research.
4. 2020-Present, Technical Board, Journal of Intelligent Systems.
5. 2021-Present, Reviewer, Springer (Multimedia Tools and Applications).
6. 2020-, Reviewer, Network Modeling Analysis in Health Informatics and Bioinformatics.
7. 2020-, Reviewer, IEEE Access.
8. 2021-, Reviewer, MDPI (Energies).
9. 2021-, Reviewer, IEEE Transactions on Intelligent Transportation Systems.
10. 2021-Present, Reviewer, PeerJ Computer Science.
11. 2021-Present, Reviewer, Plos One.
12. 2020-Present, Reviewer, Journal of Intelligent Systems.
13. 2021-Present, Reviewer, Springer (Sadhana).
14. 2021-Present, Reviewer, Elsevier (Energy).
15. 2019-Present, Member (96657299), IEEE.
16. 2021-Present, Reviewer, Springer (Soft Computing).
17. 2020-Present, Reviewer, World Scientific Publishing (Advances in Data Science and Adaptive Analysis).
18. 2021-Present, Reviewer, MDPI (Sensor).
19. 2022-Present, Reviewer, Engineering Applications of Artificial Intelligence.
20. 2022-, Reviewer, Computers and Electronics in Agriculture.
21. 2022-Present, Reviewer, IET Communications.

Excellence Awards and Patents.

1. 2021, Interior, KAUWEP2021, KAU.
2. 2016, Interior, Excellence in Teaching Award

Funded Projects.

1. 2020, Estimating Usable-Security of Software through Hybrid Model of Hesitant Fuzzy Decision-Making Analysis, KAU-DSR
2. 2021, Fuzzy based Computational Modeling to Evaluate the Security of Healthcare Device, KAU-DSR
3. 2021, A Computational Analysis on Integrating Blockchain in Healthcare: Analysis, Motivations,

Challenges and Future Directions, KAU-DSR

4. 2020, A Knowledge Based Integrated System of Hesitant Fuzzy Set, AHP and TOPSIS for Evaluating Security Durability of Web Application, KAU-DSR
5. 2020, Utilizing artificial neural network for prediction of occupant's thermal comfort: A case study of a test room fitted with a thermoelectric air-conditioning system, KAU-DSR
6. 2021, Evaluating the Impact of Different Ambient Assisted Living System Models, KAU-DSR
7. 2021, Exploring Context-Aware Machine Learning Rules for Intelligent Decision-Making in Mobile Applications, KAU-DSR, Institutional Funding Program for Research and Development (Indexed Scientific Publication).

Publications.

1. Abdulmohsen Almalawi, Shabbir Hassan, Adil Fahad, Asif Irshad Khan, "A Hybrid Cryptographic Mechanism For Secure Data Transmission In Edge Ai Networks", International Journal Of Computational Intelligence Systems, vol: 17, 2024.
DOI: [10.1007/s44196-024-00417-8](https://doi.org/10.1007/s44196-024-00417-8)
2. Asif Irshad Khan, Bhuvan Unhelkar, "An Enhanced Anti-Phishing Technique For Social Media Users: A Multilayer Q-Learning Approach", International Journal Of Advanced Computer Science And Applications, vol: 15, 2024.
DOI: [10.14569/IJACSA.2024.0150103](https://doi.org/10.14569/IJACSA.2024.0150103)
3. Fahad Alqurashi, Aasim Zafar, Asif Irshad Khan, Abdulmohsen Almalawi, Md Mottahir Alam, Rezaul Azim, "Deep Neural Network And Predator Crow Optimization-Based Intelligent Healthcare System For Predicting Cardiac Diseases", Mathematics, vol: 11, pp. 4621, 2023.
DOI: [10.3390/math11224621](https://doi.org/10.3390/math11224621)
4. Asif Irshad Khan, Yoosef B. Abushark, Fawaz Alsolami, Abdulmohsen Almalawi, Md Mottahir Alam, Pravin Kshirsagar, Raees Ahmad Khan, "Prediction Of Breast Cancer Based On Computer Vision And Artificial Intelligence Techniques", Measurement, vol: 218, pp. 113230, 2023.
DOI: [10.1016/j.measurement.2023.113230](https://doi.org/10.1016/j.measurement.2023.113230)
5. Ahad Alloqmani, Yoosef B. Abushark, Asif Irshad Khan, "Anomaly Detection Of Breast Cancer Using Deep Learning", Arabian Journal For Science And Engineering, 2023.
DOI: [10.1007/s13369-023-07945-z](https://doi.org/10.1007/s13369-023-07945-z)
6. Md. Mottahir Alam, Ahteshamul Haque, Jabir Hakami, Asif Irshad Khan, Amjad Ali Pasha, Navin Kasim, Saiful Islam, Mohammad Amir Khan, Sasan Zahmatkesh, Mostafa Hajiaghaei-Keshteli, Kashif Irshad, "An Optimal Deep Belief With Buffalo Optimization Algorithm For Fault Detection And Power Loss In Grid-Connected System", Soft Computing, 2023.
DOI: [10.1007/s00500-023-08558-2](https://doi.org/10.1007/s00500-023-08558-2)
7. Md. Mottahir Alam, Ahteshamul Haque, Asif Irshad Khan, Samir Kasim, Amjad Ali Pasha, Aasim Zafar, Kashif Irshad, Anis Ahmad Chaudhary, Md. Samsuzzaman, Rezaul Azim, Wendong Yang, "Metasurface-Based Solar Absorption Prediction System Using Artificial Intelligence", Journal Of Mathematics, vol: 2023, pp. 1-18, 2023.
DOI: [10.1155/2023/9489270](https://doi.org/10.1155/2023/9489270)
8. Md. Mottahir Alam, Md. Moddassir Alam, Hidayath Mirza, Nishat Sultana, Nazia Sultana, Amjad Ali Pasha, Asif Irshad Khan, Aasim Zafar, Mohammad Tauheed Ahmad, "A Novel Covid-19 Diagnostic System Using Biosensor Incorporated Artificial Intelligence Technique", Diagnostics, vol: 13, pp. 1886, 2023.
DOI: [10.3390/diagnostics13111886](https://doi.org/10.3390/diagnostics13111886)
9. Abdulmohsen Almalawi, Asif Irshad Khan, Fawaz Alsolami, Yoosef B. Abushark, Ahmed S. Alfakeeh, "Managing Security Of Healthcare Data For A Modern Healthcare System", Sensors, vol: 23, pp. 3612, 2023.
DOI: [10.3390/s23073612](https://doi.org/10.3390/s23073612)
10. Abdullah Marish Ali, Fuad A. Ghaleb, Mohammed Sultan Mohammed, Fawaz Jaber Alsolami, Asif Irshad Khan, "Web-Informed-Augmented Fake News Detection Model Using Stacked Layers Of Convolutional Neural Network And Deep Autoencoder", Mathematics, vol: 11, pp. 1992, 2023.
DOI: [10.3390/math11091992](https://doi.org/10.3390/math11091992)
11. Bedour Swayelh Alzaidi, Yoosef Abushark, Asif Irshad Khan, "Arabic Location Named Entity Recognition For Tweets Using A Deep Learning Approach", International Journal Of Advanced Computer Science And Applications, vol: 13, 2022.
DOI: [10.14569/IJACSA.2022.0131211](https://doi.org/10.14569/IJACSA.2022.0131211)

Publications.

12. Abdullah Marish Ali, Fuad A. Ghaleb, Bander Ali Saleh Al-Rimy, Fawaz Jaber Alsolami, Asif Irshad Khan, "Deep Ensemble Fake News Detection Model Using Sequential Deep Learning Technique", *Sensors*, vol: 22, pp. 6970, 2022.
DOI: [10.3390/s22186970](https://doi.org/10.3390/s22186970)
13. Asif Irshad Khan, Abdullah S. Almalaise Alghamdi, Yoosef B. Abushark, Fawaz Alsolami, Abdulmohsen Almalawi, Abdullah Marish Ali, "Recycling Waste Classification Using Emperor Penguin Optimizer With Deep Learning Model For Bioenergy Production", *Chemosphere*, pp. 136044, 2022.
DOI: [10.1016/j.chemosphere.2022.136044](https://doi.org/10.1016/j.chemosphere.2022.136044)
14. Asif Irshad Khan, Fawaz Alsolami, Fahad Alqurashi, Yoosef B. Abushark, Iqbal H. Sarker, "Novel Energy Management Scheme In Iot Enabled Smart Irrigation System Using Optimized Intelligence Methods", *Engineering Applications Of Artificial Intelligence*, vol: 114, pp. 104996, 2022.
DOI: [10.1016/j.engappai.2022.104996](https://doi.org/10.1016/j.engappai.2022.104996)
15. Asif Irshad Khan, Pravin R. Kshirsagar, Hariprasath Manoharan, Fawaz Alsolami, Abdulmohsen Almalawi, Yoosef B. Abushark, Mottahir Alam, Fekadu Ashine Chamato, Ziya Uddin, "Computational Approach For Detection Of Diabetes From Ocular Scans", *Computational Intelligence And Neuroscience*, vol: 2022, pp. 1-8, 2022.
DOI: [10.1155/2022/5066147](https://doi.org/10.1155/2022/5066147)
16. Md. Mottahir Alam, Rezaul Azim, Nebras M. Sobahi, Asif Irshad Khan, Mohammad Tariqul Islam, "A Dual-Band Cpw-Fed Miniature Planar Antenna For S-, C-, Wimax, Wlan, Uwb, And X-Band Applications", *Scientific Reports*, vol: 12, 2022.
DOI: [10.1038/s41598-022-11679-7](https://doi.org/10.1038/s41598-022-11679-7)
17. Md. Mottahir Alam, Rezaul Azim, Nebras M. Sobahi, Asif Irshad Khan, Mohammad Tariqul Islam, "An Asymmetric Cpw-Fed Modified Bow Tie-Shaped Antenna With Parasitic Elements For Ultra-Wideband Applications", *International Journal Of Communication Systems*, vol: 35, 2022.
DOI: [10.1002/dac.5130](https://doi.org/10.1002/dac.5130)
18. Nabeel Albishry, Rayed AlGhamdi, Abdulmohsen Almalawi, Asif Irshad Khan, Pravin R. Kshirsagar, BaruDebtera, Arpit Bhardwaj, "An Attribute Extraction For Automated Malware Attack Classification And Detection Using Soft Computing Techniques", *Computational Intelligence And Neuroscience*, vol: 2022, pp. 1-13, 2022.
DOI: [10.1155/2022/5061059](https://doi.org/10.1155/2022/5061059)
19. Pravin R. Kshirsagar, Neeraj Kumar, Ahmed H. Almulihi, Fawaz Alassery, Asif Irshad Khan, Saiful Islam, Jyoti P. Rothe, D. B. V. Jagannadham, Kenenisa Dekeba, Ziya Uddin, "Artificial Intelligence-Based Robotic Technique For Reusable Waste Materials", *Computational Intelligence And Neuroscience*, vol: 2022, pp. 1-9, 2022.
DOI: [10.1155/2022/2073482](https://doi.org/10.1155/2022/2073482)
20. Kallol Biswas, Md. Tauhidur Rahman, Ahmed H. Almulihi, Fawaz Alassery, Md. Abu Hasan Al Askary, Tasmia Binte Hai, Shihab Shahriar Kabir, Asif Irshad Khan, Rasel Ahmed, "Uncertainty Handling In Wellbore Trajectory Design: A Modified Cellular Spotted Hyena Optimizer-Based Approach", *Journal Of Petroleum Exploration And Production Technology*, 2022.
DOI: [10.1007/s13202-022-01458-5](https://doi.org/10.1007/s13202-022-01458-5)
21. Yoosef B. Abushark, Asif Irshad Khan, Fawaz Alsolami, Abdulmohsen Almalawi, Md Mottahir Alam, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Cyber Security Analysis And Evaluation For Intrusion Detection Systems", *Computers, Materials & Continua*, vol: 72, pp. 1765-1783, 2022.
DOI: [10.32604/cmc.2022.025604](https://doi.org/10.32604/cmc.2022.025604)

Publications.

22. Iqbal H. Sarker, Asif Irshad Khan, Yoosef B. Abushark, Fawaz Alsolami, "Internet Of Things (Iot) Security Intelligence: A Comprehensive Overview, Machine Learning Solutions And Research Directions", Mobile Networks And Applications, 2022.
DOI: [10.1007/s11036-022-01937-3](https://doi.org/10.1007/s11036-022-01937-3)
23. Fawaz Alassery, Ahmed Alzahrani, Asif Irshad Khan, Kashif Irshad, Saiful R. Kshirsagar, "An Artificial Intelligence-Based Solar Radiation Prophecy Model For Green Energy Utilization In Energy Management System", Sustainable Energy Technologies And Assessments, vol: 52, pp. 102060, 2022.
DOI: [10.1016/j.seta.2022.102060](https://doi.org/10.1016/j.seta.2022.102060)
24. Ahmed Saeed Alfakeeh, Abdulmohsen Almalawi, Fawaz Jaber Alsolami, Yoosef B. Abushark, Asif Irshad Khan, Adel Aboud S. Bahaddad, Md Mottahir Alam, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Sustainable-Security Assessment Through A Multi Perspective Benchmarking Framework", Computers, Materials & Continua, vol: 71, pp. 6011-6037, 2022.
DOI: [10.32604/cmc.2022.024903](https://doi.org/10.32604/cmc.2022.024903)
25. Fawaz Alassery, Ahmed Alzahrani, Asif Irshad Khan, Ashi Khan, Mohd Nadeem, Md Tarique Jamal Ansari, "Quantitative Evaluation Of Mental-Health In Type-2 Diabetes Patients Through Computational Model", Intelligent Automation & Soft Computing, vol: 32, pp. 1701-1715, 2022.
DOI: [10.32604/iasc.2022.023314](https://doi.org/10.32604/iasc.2022.023314)
26. Ahmed H. Almulihi, Fawaz Alassery, Asif Irshad Khan, Sarita Shukla, Bineet Kumar Gupta, Rajeev Kumar, "Analyzing The Implications Of Healthcare Data Breaches Through Computational Technique", Intelligent Automation & Soft Computing, vol: 32, pp. 1763-1779, 2022.
DOI: [10.32604/iasc.2022.023460](https://doi.org/10.32604/iasc.2022.023460)
27. Abdulmohsen Almalawi, Fawaz Alsolami, Asif Irshad Khan, Ali Alkhathlan, Adil Fahad, Kashif Irshad, Sana Qaiyum, Ahmed S. Alfakeeh, "An Iot Based System For Magnify Air Pollution Monitoring And Prognosis Using Hybrid Artificial Intelligence Technique", Environmental Research, vol: 206, pp. 112576, 2022.
DOI: [10.1016/j.envres.2021.112576](https://doi.org/10.1016/j.envres.2021.112576)
28. Asif Irshad Khan, Abdullah Saad Al-Malaise ALGhamdi, Fawaz Jaber Alsolami, Yoosef B. Abushark, Abdulmohsen Almalawi, Abdullah Marish Ali, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Integrating Blockchain Technology Into Healthcare Through An Intelligent Computing Technique", Computers, Materials & Continua, vol: 70, pp. 2835-2860, 2022.
DOI: [10.32604/cmc.2022.020342](https://doi.org/10.32604/cmc.2022.020342)
29. Ahmed S. Alfakeeh, Abdulmohsen Almalawi, Fawaz Jaber Alsolami, Yoosef B. Abushark, Asif Irshad Khan, Adel Aboud S. Bahaddad, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Hesitant Fuzzy-Sets Based Decision-Making Model For Security Risk Assessment", Computers, Materials & Continua, vol: 70, pp. 2297-2317, 2022.
DOI: [10.32604/cmc.2022.020146](https://doi.org/10.32604/cmc.2022.020146)
30. Iqbal H. Sarker, Asif Irshad Khan, Yoosef B. Abushark, Fawaz Alsolami, "Mobile Expert System: Exploring Context-Aware Machine Learning Rules For Personalized Decision-Making In Mobile Applications", Symmetry, vol: 13, pp. 1975, 2021.
DOI: [10.3390/sym13101975](https://doi.org/10.3390/sym13101975)
31. Md. Mottahir Alam, Rezaul Azim, Ibrahim Mustafa Mehedi, Asif Irshad Khan, "A Low Profile Planar Monopole Antenna For Ism/Imt/Bluetooth/Zigbee/Wifi/Wimax/Wlan Wireless Communication Applications", International Journal Of Communication Systems, 2021.
DOI: [10.1002/dac.4993](https://doi.org/10.1002/dac.4993)

Publications.

32. Md. Mottahir Alam, Rezaul Azim, Ibrahim Mustafa Mehedi, Asif Irshad Khan, "Coplanar Waveguide-Fed Compact Planar Ultra-Wideband Antenna With Inverted L-Shaped And Extended U-Shaped Ground For Portable Communication Devices", Chinese Journal Of Physics, vol: 73, pp. 684-694, 2021.
DOI: [10.1016/j.cjph.2021.08.017](https://doi.org/10.1016/j.cjph.2021.08.017)
33. Fawaz Jaber Alsolami, Abdullah Saad Al-Malaise ALGhamdi, Asif Irshad Khan, Yoosef B. Abushark, Abdulmohsen Almalawi, Farrukh Saleem, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Impact Assessment Of Covid-19 Pandemic Through Machine Learning Models", Computers, Materials & Continua, vol: 68, pp. 2895-2912, 2021.
DOI: [10.32604/cmc.2021.017469](https://doi.org/10.32604/cmc.2021.017469)
34. Ahad Alloqmani, Yoosef B., Asif Irshad, Fawaz Alsolami, "Deep Learning Based Anomaly Detection In Images: Insights, Challenges And Recommendations", International Journal Of Advanced Computer Science And Applications, vol: 12, 2021.
DOI: [10.14569/IJACSA.2021.0120428](https://doi.org/10.14569/IJACSA.2021.0120428)
35. Yoosef B. Abushark, Asif Irshad Khan, Fawaz Jaber Alsolami, Abdulmohsen Almalawi, Md Mottahir Alam, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Usability Evaluation Through Fuzzy Ahp-Topsis Approach: Security Requirement Perspective", Computers, Materials & Continua, vol: 680, pp. 1203-1218, 2021.
DOI: [10.32604/cmc.2021.016610](https://doi.org/10.32604/cmc.2021.016610)
36. Iqbal H. Sarker, Yoosef B. Abushark, Asif Irshad Khan, Md Mottahir Alam, Raza Nowrozy, "Mobile Deep Learning: Exploring Deep Neural Network For Predicting Context-Aware Smartphone Usage", Sn Computer Science, vol: 2, 2021.
DOI: [10.1007/s42979-021-00548-1](https://doi.org/10.1007/s42979-021-00548-1)
37. R. Azim, Mohammad T. Islam, Haslina Arshad, Md Mottahir Alam, Nebras Sobahi, Asif I. Khan, "Cpw-Fed Super-Wideband Antenna With Modified Vertical Bow-Tie-Shaped Patch For Wireless Sensor Networks", Ieee Access, pp. 1-1, 2020.
DOI: [10.1109/ACCESS.2020.3048052](https://doi.org/10.1109/ACCESS.2020.3048052)
38. Iqbal H. Sarker, Hamed Alqahtani, Fawaz Alsolami, Asif Irshad Khan, Yoosef B. Abushark, Mohammad Khubeb Siddiqui, "Context Pre-Modeling: An Empirical Analysis For Classification Based User-Centric Context-Aware Predictive Modeling", Journal Of Big Data, vol: 7, 2020.
DOI: [10.1186/s40537-020-00328-3](https://doi.org/10.1186/s40537-020-00328-3)
39. Sana Qaiyum, Izzatdin Aziz, Mohd Hilmi Hasan, Asif Irshad Khan, Abdulmohsen Almalawi, "Incremental Interval Type-2 Fuzzy Clustering Of Data Streams Using Single Pass Method", Sensors, vol: 20, pp. 3210, 2020.
DOI: [10.3390/s20113210](https://doi.org/10.3390/s20113210)
40. Ahteshamul Haque, Abdulaziz Alshareef, Asif Irshad Khan, Md Mottahir Alam, Varaha Satya Bharath Kurukuru, Kashif Irshad, "Data Description Technique-Based Islanding Classification For Single-Phase Grid-Connected Photovoltaic System", Sensors, vol: 20, pp. 3320, 2020.
DOI: [10.3390/s20113320](https://doi.org/10.3390/s20113320)
41. Abdulmohsen Almalawi, Adil Fahad, Zahir Tari, Asif Irshad Khan, Nouf Alzahrani, Sheikh Tahir Bakhsh, Madini O. Alassafi, Abdulrahman Alshdadi, Sana Qaiyum, "Add-On Anomaly Threshold Technique For Improving Unsupervised Intrusion Detection On Scada Data", Electronics, vol: 9, pp. 1017, 2020.
DOI: [10.3390/electronics9061017](https://doi.org/10.3390/electronics9061017)
42. Iqbal H. Sarker, Yoosef B. Abushark, Fawaz Alsolami, Asif Irshad Khan, "Intrudtree: A Machine Learning Based Cyber Security Intrusion Detection Model", Symmetry, vol: 12, pp. 754, 2020.
DOI: [10.3390/sym12050754](https://doi.org/10.3390/sym12050754)

Publications.

43. Iqbal H. Sarker, Yoosef B. Abushark, Asif Irshad Khan, "Contextpca: Predicting Context-Aware Smartphone Apps Usage Based On Machine Learning Techniques", *Symmetry*, vol: 12, pp. 499, 2020.
DOI: [10.3390/sym12040499](https://doi.org/10.3390/sym12040499)
44. Kashif Irshad, Asif Irshad Khan, Sayed Ameenuddin Irfan, Md Mottahir Alam, Abdulmohsen Almalawi, Md. Hasan Zahir, "Utilizing Artificial Neural Network For Prediction Of Occupants Thermal Comfort: A Case Study Of A Test Room Fitted With A Thermoelectric Air-Conditioning System", *Ieee Access*, pp. 1-1, 2020.
DOI: [10.1109/ACCESS.2020.2985036](https://doi.org/10.1109/ACCESS.2020.2985036)
45. Jasleen Kaur, Asif Irshad Khan, Yoosef B Abushark, Md Mottahir Alam, Suhel Ahmad Khan, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Security Risk Assessment Of Healthcare Web Application Through Adaptive Neuro-Fuzzy Inference System: A Design Perspective≪/P≫", *Risk Management And Healthcare Policy*, vol: Volume 13, pp. 355-371, 2020.
DOI: [10.2147/RMHP.S233706](https://doi.org/10.2147/RMHP.S233706)
46. Rajeev Kumar, Asif Irshad Khan, Yoosef B. Abushark, Md Mottahir Alam, Alka Agrawal, Raees Ahmad Khan, "A Knowledge-Based Integrated System Of Hesitant Fuzzy Set, Ahp And Topsis For Evaluating Security-Durability Of Web Applications", *Ieee Access*, vol: 8, pp. 48870-48885, 2020.
DOI: [10.1109/ACCESS.2020.2978038](https://doi.org/10.1109/ACCESS.2020.2978038)
47. Abhishek Kumar Pandey, Asif Irshad Khan, Yoosef B. Abushark, Md Mottahir Alam, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Key Issues In Healthcare Data Integrity: Analysis And Recommendations", *Ieee Access*, pp. 1-1, 2020.
DOI: [10.1109/ACCESS.2020.2976687](https://doi.org/10.1109/ACCESS.2020.2976687)
48. Kashif Irshad, Abdulmohsen Almalawi, Asif Irshad Khan, Md Mottahir Alam, Md. Hasan Zahir, Amjad Ali, "An Iot-Based Thermoelectric Air Management Framework For Smart Building Applications: A Case Study For Tropical Climate", *Sustainability*, vol: 12, pp. 1564, 2020.
DOI: [10.3390/su12041564](https://doi.org/10.3390/su12041564)
49. Rajeev Kumar, Asif Irshad Khan, Yoosef B. Abushark, Md Mottahir Alam, Alka Agrawal, Raees Ahmad Khan, "An Integrated Approach Of Fuzzy Logic, Ahp And Topsis For Estimating Usable-Security Of Web Applications", *Ieee Access*, pp. 1-1, 2020.
DOI: [10.1109/ACCESS.2020.2970245](https://doi.org/10.1109/ACCESS.2020.2970245)
50. Iqbal H. Sarker, Alan Colman, Jun Han, Asif Irshad Khan, Yoosef B. Abushark, Khaled Salah, "Behavdt: A Behavioral Decision Tree Learning To Build User-Centric Context-Aware Predictive Model", *Mobile Networks And Applications*, 2019.
DOI: [10.1007/s11036-019-01443-z](https://doi.org/10.1007/s11036-019-01443-z)
51. Ahmed Barnawi, Abdullah Al-Barakati, Asif Khan, Fuad Bajaber, Omar Alhubaiti, "A Proposed Architecture For A Heterogeneous Unmanned Aerial Vehicles System", *International Journal Of Electrical And Electronic Engineering &Telecommunications.*, pp. 119-126, 2018.
DOI: [10.18178/ijeetc.7.3.119-126](https://doi.org/10.18178/ijeetc.7.3.119-126)
52. Kashif Irshad, Asif Irshad Khan, Salem Algarni, Khairul Habib, Bidyut Baran Saha, "Objective And Subjective Evaluation Of A Sleeping Environment Test Chamber With A Thermoelectric Air Cooling System", *Building And Environment*, 2018.
DOI: [10.1016/j.buildenv.2018.05.061](https://doi.org/10.1016/j.buildenv.2018.05.061)
53. Md. Mottahir Alam, Asif Irshad Khan, Aasim Zafar, "Implementing Variability In Spl Using Featureid", *Proceedings Of The International Conference On Electrical, Electronics, Computers, Communication, Mechanical And Computing (Eeccmc)*, 28th - 29th January 2018 Ieee Xplore, 2018.

Publications.

54. Asif Irshad Khan, Md. Mottahir Alam, Aasim Zafar, "Microservices- A Software Architecture For Designing And Implementing Modern Business Application Of The Digital World", Proceedings Of The International Conference On Electrical, Electronics, Computers, Communication, Mechanical And Computing (Eeccmc), 28th - 29th January 2018 Ieee Xplore, 2018.
55. Md. Mottahir Alam, Asif Irshad Khan, Anoop Kumar Sharma, "Systematic Review On State-Of-The-Art Practices Of Software Product Line Frameworks", <Http://Academicscience.Co.In/Admin/Resources/Project/Paper/F201711271511803130.Pdf>, 2017.
56. Md. Mottahir, Asif Irshad, Anoop Kumar, "An Spl Framework Based Rapid Development Of Uavs Using Featureide: A Case Study", International Journal Of Computer Applications, vol: 180, pp. 1-10, 2017.
DOI: [10.5120/ijca2017916053](https://doi.org/10.5120/ijca2017916053)
57. Md. Mottahir Alam, Asif Irshad Khan, Aasim Zafar, "An Empirical Study Of The Improved Spld Framework Using Expert Opinion Technique", International Journal Of Engineering And Applied Computer Science, vol: 02, pp. 98-106, 2017.
DOI: [10.24032/ijeacs/0203/03](https://doi.org/10.24032/ijeacs/0203/03)
58. Fazal Qudus Khan, Asif Irshad Khan, Mohammed Basher, "An Hci Principles Based Framework To Support Deaf Community", International Journal Of Engineering And Applied Computer Science, vol: 02, pp. 47-59, 2017.
DOI: [10.24032/ijeacs/0202/02](https://doi.org/10.24032/ijeacs/0202/02)
59. Md. Mottahir, Asif Irshad, Aasim Zafar, "A Secure Framework For Software Product Line Development", International Journal Of Computer Applications, vol: 159, pp. 33-40, 2017.
DOI: [10.5120/ijca2017912919](https://doi.org/10.5120/ijca2017912919)
60. Asif Irshad Khan, "An Elite Model For Cots Component Selection Process", International Journal Of Engineering And Applied Computer Science, vol: 02, pp. 18-24, 2017.
DOI: [10.24032/IJEACS/0201/03](https://doi.org/10.24032/IJEACS/0201/03)
61. Md. Mottahir, Asif Irshad, Aasim Zafar, "A Comprehensive Study Of Software Product Line Frameworks", International Journal Of Computer Applications, vol: 151, pp. 11-17, 2016.
DOI: [10.5120/ijca2016911698](https://doi.org/10.5120/ijca2016911698)
62. Asif Irshad Khan, Md. Mottahir Alam, Mohammad Shariq, "A Perspective Study Of Intelligent System For Component Based Development", International Journal Of Computer Applications, vol: 117, pp. 11-17, 2015.
DOI: [10.5120/20541-2908](https://doi.org/10.5120/20541-2908)
63. Asif Irshad Khan, Wajdi Aljedaibi, "Variability Management In Software Development Using Featureide : A Case Study", , vol: 6/1, 2015.
DOI: [10.14299/000000](https://doi.org/10.14299/000000)
64. Asif Irshad Khan, Baker Soubani, "Adapting Cloud Computing In Higher Education", , vol: 5/11, pp. 823-830, 2014.
DOI: [10.14299/000001](https://doi.org/10.14299/000001)
65. Md. Mottahir Alam, Asif Irshad Khan, "Risk-Based Testing Techniques: A Perspective Study", , vol: vol. 65, no. 1, pp. 33-41, 2013.
66. Asif Irshad Khan, Md. Mottahir Alam, Noor-ul-Qayyum Noor-ul-Qayyum, Usman Ali Khan, "Validation Of Component Based Software Development Model Using Formal B-Method", International Journal Of Computer Applications, vol: 67, pp. 24-35, 2013.
DOI: [10.5120/11423-6768](https://doi.org/10.5120/11423-6768)
67. Asif Irshad Khan, Md. Mottahir Alam, Noor-Ul-Qayyum Maroof, Adnan Albar, "Empirical Study Of An Improved Component Based Software Development Model Using Expert, Opinion Technique", , 2013.
68. Asif Irshad Khan, "An Improved Model For Component Based Software Development", , vol: Vol.2, No.4, 2012.

Publications.

69. Asif Irshad Khan, "Secure Communication Using Symmetric And Asymmetric Cryptographic Techniques", I.J. Information Engineering And Electronic Business, Published Online April 2012 In Mecs , [Http://Www.Mecs-Press.Org/Ijieeb/Ijieeb-V4-N2/Ijieeb-V4-N2-6.Pdf](http://www.Mecs-Press.Org/Ijieeb/Ijieeb-V4-N2/Ijieeb-V4-N2-6.Pdf), vol: 2, pp. 36-42, 2012.
70. Asif Irshad Khan, "Study Of Multi-Agent Testing Techniques And Future Research Direction", , vol: Volume 3, Issue 8, 2012.
71. Asif Irshad Khan, "Study Of Blended Learning Process In Education Context", , 2012.
72. Asif Irshad Khan, Ahmad Barnawi, Rizwan Qureshi, "Novel Component-Based Development Model For Sip-Based Mobile Application", , vol: 3, No.1, 2012.
73. Ahmad Barnawi, Abdulrahman Altalhi, Asif Irshad Khan, "Evaluation Of Ip Multimedia Subsystem Based Mobile Mass Examination System", , vol: 4, No. 4, pp. 1-12, 2012.
74. Asif Irshad Khan, "Security Issues In Virtualization And Cloud Computing", National Seminar On Advancement In Cloud Computing & Green It Technology, India Habitat Centre, New Delhi, India, 25th, 2011.
75. Asif Irshad Khan, "A Framework For Next Generation Mobile And Wireless Networks Application Development Using Hybrid Component Based Development Model", , vol: Vol. 1, No. 2, 2011.
76. Usman Ali Khan, Rizwan Qureshi, Asif Irshad Khan, "A Comprehensive Study Of Commonly Practiced Heavy & Light Weight Software Methodologies", , vol: Vol. 8, Issue 4, No 1, 2011.
77. Ahmad Barnawi, A, Nadine Akkari, Muhammad Khan, Asif Irshad Khan, "Deploying Sip-Based Mobile Exam Application Onto Next Generation Network Testbed", Saudi International Conference On Electronics Communications And Photonics Technologies, Riyadh, 2011.
78. Asif Irshad Khan, "E-Learning Based Multimedia Kit For Children With Learning Disability", International Eservices Symposium Of The Eastern Province Conference, 2010.