

## RESEARCH GRANTS

### Project Name Partner Organization Date Funding Body

1.	Cyber Security Analytics Maturity Research [Explore and develop a cyber security analytics maturity (CSAM) model]	International Funding in collaboration with Australia, United Kingdom, Singapore, Malaysia, Indonesia, & China	2021 – In progress	Sunway
2.	Disaster management	Bahria Town	2015-2020	Bahria Town Rs.1m
3.	Mobile based speech recognition system for medical diagnosis	N/A	2016	Mini Research Project, FUUAST
4.	Mobile Healthcare Call center	N/A	2014-2015	ICT R&D Fund Gross root innovation fund
5.	Automated employees/students monitoring & duration recording within certain area of organization	N/A	2012	Mini Research Project, FUUAST

## PHD STUDENT SUPERVISED & AWARDED DEGREE

S.NO.	NAME OF STUDENT	TITLE	NAME OF UNIVERISTY	REGISTRATI ON DATE - COMPLETIO N DATE
1.	Dr. Saeed Azfar (Co-Supervised)	Monitoring and Detection of Crop Insects and Diseases using Wireless Sensor Network	FUUAST Karachi	January 2015 / March 2024
2.	Dr. Azhar Hussain	Assisting Disabled & Elder Persons by Exploiting Mobile Technology Features - A Process Model in Ubiquitous Computing Environments	FUUAST Karachi	January 2014 / December 2020
3.	Dr. Sarwat Iqbal	Context-aware Assistive Technology for Elderly Using Mobile Technology	FUUAST Karachi	January 2014 / December 2020
4.	Dr. Khalid Shaikh	Team building criteria for self-managing computer science student's capstone project.	FUUAST Karachi	November 2013 / July 2018
5.	Dr. Farhan Shafiq	Context-based Disaster Management through Semi-Automated Information System using Mobile Technology	FUUAST Karachi	January 2013 / March 2017
6.	Dr. Muhammad Sajid	Semi-Automated Medical Diagnosis Model for Pakistani Rural/Urban Areas Using Mobile Technology and SR Techniques.	FUUAST Karachi	January 2013 / January 2017

**M.PHIL STUDENT SUPERVISED & AWARDED DEGREE****International**

S.NO.	NAME OF STUDENT	TITLE	NAME OF UNIVERISTY	REGISTRATI ON DATE - COMPLETIO N DATE
1.	ADIGOPULA Pushpa Raj	Knowledge Management in Mobile Environment	Staffordshire University, UK	January, 2008 / June, 2010
2.	ARAVAPALLI Gopi Nath	Multi-Banking System	Staffordshire University, UK	January, 2008 / June, 2010
3.	BANDARU Sudheer	Smart Card Authentication, An Efficient Authentication Scheme	Staffordshire University, UK	January, 2008 / June, 2010
4.	DONGALA Vijay R	Defect Tracking System	Staffordshire University, UK	January, 2008 / June, 2010
5.	GOGUMALLA Prashanth Mohan	'BRAINHERTZ', An Intelligent System for Web- based Examinations and Web-based Surveys	Staffordshire University, UK	January, 2008 / June, 2010
6.	INJAM Srinivasarao	Port Scanning Detector	Staffordshire University, UK	January, 2008 / June, 2010
7.	LIKKY Sunil Kumar Reddy	Security Based E-Post Office	Staffordshire University, UK	January, 2008 / June, 2010
8.	NANDURI Hari Krishna Kiran	Mobile banking	Staffordshire University, UK	January, 2008 / June, 2010
9.	NATARAJAN Chitaranjan	Face Recognition System	Staffordshire University, UK	January, 2008 / June, 2010
10.	PRATIYADI BHAYANKARA Sai Vijay Kiran	Temporal Database System	Staffordshire University, UK	January, 2008 / June, 2010
11.	MEYYAPPA Meyyappan	Modelling and Prevention of Worms	Staffordshire University, UK	September, 2007 / July, 2009
12.	AKURATI Lenin	Credit Card Fraud Detection using Ado cost Algorithm	Staffordshire University, UK	September, 2007 / July, 2009
13.	Esam Ali Balras	A Case-Based Investigation into the Integration of RFID and Mobile Communication with a Legacy Library Information System	Staffordshire University, UK	September, 2007 / July, 2009
14.	NARASIMHAREDDY Adia Laxmi	Plant administration System	Staffordshire University, UK	September, 2007 / July, 2009
15.	Vamsi Krishna RAMADUGU	Host Authentication System	Staffordshire University, UK	September, 2007 / July, 2009
16.	RAMASAMY Duraisamy	Methodologies to carrying out an e-mail investigation	Staffordshire University, UK	September, 2007 / July, 2009
17.	Sankaralingam Shunmugasundaram	A Comparative study of mobile application development in J2ME and Flash Lite for an Arcade-Style Game	Staffordshire University, UK	September, 2007 / July, 2009
18.	SINGH Arun	Mobile Information Navigation System	Staffordshire University, UK	September, 2007 / July,

				2009
19.	Santhi Pradup VALIBOYINA	Inventory Automation System	Staffordshire University, UK	September, 2007 / July, 2009
20.	VEMURI Naga Charavarthy	AD Visualization and Performance	Staffordshire University, UK	September, 2007 / July, 2009

**National**

S.NO.	NAME OF STUDENT	TITLE	NAME OF UNIVERISTY	REGISTRATI ON DATE - COMPLETIO N DATE
21.	Muhammad Abid	Priority Based Sea Disaster Rescuing Model Using Mobile and Sensor Technology	Federal Urdu University of Arts, Science & Technology	July, 2020
22.	Sana Irshad	Mobile and Sensor Based Technology Integrated Model for Drowning Detection & Rescue for Marine Swimmer	Federal Urdu University of Arts, Science & Technology	July, 2020
23.	Sanaullah	Electronic Health Record (HER) Access Model in a Disaster/Diconnected Environment using wireless & Mobile Based Technology	Federal Urdu University of Arts, Science & Technology	June, 2019
24.	Muhammad Shahzad	Virtual Data Integration of Heterogeneous Genomic Knowledge Base	Federal Urdu University of Arts, Science & Technology	April, 2017
25.	Abdul Salam	Sensor Networks	Federal Urdu University of Arts, Science & Technology	June, 2013
26.	Muhammad Azhar Hussain	Assistive Technology	Federal Urdu University of Arts, Science & Technology	June, 2013
27.	Sarwat Iqbal	Mobile Technology for smart living	Federal Urdu University of Arts, Science & Technology	June, 2013
28.	Obaid Ullah Owais Khan	Mobile Ad-hoc network	Federal Urdu University of Arts, Science & Technology	June, 2013
29.	NAZISH Noman	Ubiquitous computing	Jinnah University for Women, Karachi	Dec, 2012
30.	ANUM Kamran	Location based services	Jinnah University for Women, Karachi	Dec, 2012
31.	FARHANA Hussain	Mobility based services	Jinnah University for Women, Karachi	Dec, 2012
32.	SABOOHI Naeem Ahmed	Cloud computing	Jinnah University for Women, Karachi	Dec, 2012
33.	FATIMA Yousuf	Context aware applications	Jinnah University for Women, Karachi	Dec, 2012

**MS/MPHIL/PHD ADVISORY OR EXAMINE**

S.NO.	NAME OF STUDENT	TITLE	NAME OF UNIVERISTY	REGISTRATI ON DATE - COMPLETIO N DATE
1.	Ms. Saima	Machine Learning Based Intelligent Computing for Streamflow Prediction: A Case Study of Pakistan	University of Karachi, Karachi	Apr, 2024

2.	Ms. Ayesha Anwer Ul Haq (MS Student)	Geo Tagging and Multiclass Text Classification for Earthquake Related Tweets	Bahria University, Karachi Campus	Mar, 2024
3.	Ms. Mehwish (PhD Student)	PhD Research Proposal defense: Self-Healing and Light-Weight Intrusion Detection for IoT-based Systems	Bahria University, Karachi Campus	Sep, 2019
4.	Mr. M. Shahid Khan (MS Student)	Sentiment Analysis & opinion mining: A comparative study of machine learning algorithms	Bahria University, Karachi Campus	May, 2019
5.	Dr. Usman (PhD Student)	National inspired computing techniques in economic and financial modeling	University of Karachi, Karachi	Nov, 2018
5.	Ms. Bushra Fazal Khan (PhD Student)	PhD Advisory: Semantic web and adaptive learning systems	Bahria University, Karachi Campus	Feb, 2018
7.	Mr. Naeem Ahmed (PhD Student)	PhD proposal defense: ERP Implementation in SMEs in Pakistan	Hamdard University, City Campus, Karachi	January, 2016

## PATENTS

S.No	Patent Application No.	Patent Title	Author/Designer
1.	<b>Granted &amp; Sealed 452/2015</b>	A tactile communication system with vibrotactile alerting notification mechanism [ <i>Accepted: 6<sup>th</sup> May, 2019 (SI.No: 143145)</i> ]	Dr. Kamran Ahsan, Muhammad Azhar Hussain, Dr. Adnan Nadeem, Sarwat Iqbal
2.	276/2015	Automated Contextual Death faces and Missing Person Information Available for Searching and Tagging [In Review]	Farhan Shafiq, Kamran Ahsan
3.	46/2016	AutoPrayerSilence: Automatic Silence Mode Procedure of Smart Device during Prayer with Congregating [In Review]	Dr.Kamran Ahsan, Muhammad Azhar Hussain, Dr.Adnan Nadeem, Kashif Rizwan."
4.	307/2015	Automated Dead Bodies Information Management in conjunction with Tracking, Backtracking and Location Dead Bodies [In Review]	Farhan Shafiq, Kamran Ahsan
5.	306/2015	Double Word Voice Recognition Based Messaging and Location Tracking [In Review]	Farhan Shafiq, Kamran Ahsan

## PUBLICATIONS

### Books

1. **Kamran Ahsan**, (2021), Gubar-e-Ishq, Urdu Poetry Book, Azhar Publisher.
2. **Kamran Ahsan**, (2019), One Minute Mother by Patrick Spencer Johnson, Book Translation English to Urdu, Al-Ghani Publisher.
3. **Kamran Ahsan & Waqas Ali Madni**, (2014), The Impact of Social Networking on Global Political Scenario, ISBN 978-3-659-52133-1, LAP Publisher.
4. **Kamran Ahsan** and Prativadi Bhayanakara Vijay, (2014), Temporal Databases, ISBN 978-1-46894-821-9, Booktango Publisher.

5. **Kamran Ahsan** & Imtiaz Ahmed, (2012), Privatization and Economy of the Country, Privatization, organizational performance and effects on the growth of economy of the country, ISBN 978-3846533758, LAP Publisher.
6. **Kamran Ahsan** & Asim Qaiser, (2011), Offshore Outsourcing Practices of United Kingdom Engineering Services Companies, Focused on Oil and Gas Sector, ISBN 978-3-8443-8155-9, LAP Publisher.
7. **Kamran Ahsan**, (2011), Book chapter, RFID Components, Applications and System Integration with Healthcare Perspective, in book, Deploying RFID - Challenges, Solutions, and Open Issues, Edited by: Cristina Turcu, ISBN 978-953-307-380-4, Publisher: InTech.

### **HEC Category W**

8. Azfar S, Nadeem A, **Ahsan K**, Mehmood A, Siddiqui S., Saeed M, & Ashraf M, (2023), An IoT-Based System for Efficient Detection of Cotton Pest, *Applied Sciences*, ISSN: 2076-3417,
9. Azfar S, Nadeem A, **Ahsan K**, Mehmood A, Almoamari H and Alqahtany SS (2023), IoT-Based Cotton Plant Pest Detection and Smart-Response System, *Applied Sciences*, ISSN: 2076-3417, 13(3), 1851; <https://doi.org/10.3390/app13031851>.
10. Qureshi T, Saeed M, **Ahsan K**, Malik AA, Shah ME, Touheed N, (2022) Smart Agriculture for sustainable food security using Internet of Things (IoT), *Wireless Communications and Mobile Computing*, vol. 2022, Article ID 9608394.
11. Shaikh MK, Jillani TJ, **Ahsan K**, (2022) Teaching Computer Science and Computer Engineering During COVID-19 Lockdown at the Pakistani Universities, *International Journal of Engineering Education*, Vol. 38, No. 2, pp. 1–13.
12. Muhammad Fahad Mukhtar, Muhammad Shiraz, Qaisar Shaheen, **Kamran Ahsan**, Rizwan Akhtar, Wang Changda, (2021), RBM: Region based mobile routing protocol for wireless sensor networks, *Wireless Communications and Mobile Computing*, Volume 2021, Article ID: 6628226.
13. Amir Mehmood, Adnan Nadeem, Muhammad Ashraf, Kashif Rizwan, **Kamran Ahsan**, (2021), A Fall Risk Assessment Mechanism for Elderly people through MuscleFatigue Analysis on data from Body Area Sensor Network, *IEEE Sensors Journal*, Vol. 21, Issue. 5, pg. 6679 - 6690.
14. Sarwat Iqbal, Muhammad Irfan, **Kamran Ahsan**, Muhammad Azhar Hussain, Muhammad Awais, Muhammad Shiraz, Mohammed Hamdi & Abdullah Alghamdi, (2020), A Novel Mobile Wallet Model for Elderly Using Fingerprint as Authentication Factor, *IEEE Access*, 8, 177405-177423.
15. Shah Muhammad Emad, **Kamran Ahsan**, Yaseen Khan, Sohaib Ahmed, Rafi Ullah, Kashif Rizwan, & Farhan Shafiq, (2019), Depression Detection using Naïve Bayes: Text based approach, *Interciencia Journal*, ISSN: 0378-1844, 44 (11), Pg. 174-183.
16. MK Shaikh, **K Ahsan** (2019) Psychographic Self-evaluation Questionnaire for Forming Self-managing Computer Engineering Capstone Teams, 36(1), *International Journal of Engineering Education*.
17. **Kamran Ahsan**, Sana Irshad, Abid Khan, Sanaullah, Sarwat Iqbal, Saeed, Sohaib, & Osama (2019), Mobile Controlled UAVs for Audio Delivery Service and Payload Tracking Solution, *IEEE Access*.
18. Muhammad Azhar Hussain, **Kamran Ahsan**, Sarwat Iqbal & Adnan Nadeem, (2019), Supporting deafblind in congregational prayer using speech recognition and vibro-tactile stimuli, *International Journal of Human-Computer Studies*, 123, 70–96.
19. Muhammad Khalid Shaikh and **Kamran Ahsan**, (2018), Psychographd: A Team Building Platform for Software Engineering Students, *International Journal of Engineering Education*, 34(6).

20. Siddiqui, Abdul Hameed, Syed Akhtar Raza, Arifa Ghazipura, Muhammad Azhar Hussain, Sarwat Iqbal, **Kamran Ahsan**, & Adnan Nadeem, (2016), Analysis of association between type of amblyopia and gender at a tertiary care hospital in Karachi JPMA, *The Journal of the Pakistan Medical Association*, Vol. 66, Num. 5, pp.545-548.
21. Nadeem, Adnan, Muhammad Azhar Hussain, Obaidullah Owais, Abdul Salam, Sarwat Iqbal, & **Kamran Ahsan**, (2015), Application specific study, analysis and classification of body area wireless sensor network applications, *Computer Networks*, Vol. 83, pp.363-380.
22. Nadeem, Mahmood, S. M. Aqil Burney, & **Kamran Ahsan**, (2012), Generic Temporal and Fuzzy Ontological Framework (GTFOF) for Developing Temporal-Fuzzy Database Model for Managing Patient's Data, *Journal of Universal Computer Science*, Vol. 18, Num. 2.

### **HEC Category X**

23. Hafsa Masroor, Muhammad Saeed, Maryam Feroz, **Kamran Ahsan**, Khawar Islam, (2019) Transtech: development of a novel translator for Roman Urdu to English, *Heliyon*, <https://doi.org/10.1016/j.heliyon.2019.e01780>.
24. Sarwat Iqbal, Sana Ullah, **Kamran Ahsan**, Muhammad Azhar Hussain, and Muhammad Saeed, (2019), RFID-Based Automated Shared Drop Box for Laundry Business: A Process Model, *Mehran University Research Journal of Engineering & Technology*, Vol. 38, No. 1, 37-52.
25. Adnan Nadeem, **Kamran Ahsan**, & Muhammad Sarim, (2017), Illustration, Detection and Prevention of Sleep Deprivation Anomaly in Mobile Ad Hoc Networks, *Mehran University Research Journal of Engineering and Technology*, Vol. 36, Num. 2.
26. Muhammad Sajid, **Kamran Ahsan**, & Muhammad Sarim, (2017), M-Health Service for Train Passengers Using Mobile GPS System: An ArchiMate Service Layer Model, *Mehran University Research Journal of Engineering and Technology*, Vol. 36, Num. 1.
27. M. A. Hussain, **K. Ahsan**, A. Nadeem, M. Sarim, A. Basit, M. Siddique, & Q. Ul. Arifeen, (2017), Remote Control Model for Smart Living–A Mobile Technology Approach, *Sindh University Research Journal*, Vol. 49(1), pp.189-194.
28. M. A. Hussain, **K. Ahsan**, S. Iqbal, & A. Nadeem, (2016), Disability and Digital Divide: Bridging The Gap Through Archimate Approach, *Pakistan Journal of Science*, Vol. 68, Num. 4.
29. K. Rizwan, **K. Ahsan**, A. Nadeem, N. Mahmood, Q. Ul. Arifeen, & Z. Bhatti, (2016), Ambient Volume Controller–Exploiting Proximity Noise to Mitigate Hearing Impairments and Assist Mobile Phone Users, *Sindh University Research Journal*, Vol.48 (2), pp.327-334.
30. Farhan Shafiq, **Kamran Ahsan**, & Adnan Nadeem, (2016), Solving Real-Life Problems: Future Mobile Technology Sophistication, *Mehran University Research Journal of Engineering and Technology*, Vol.35, Num. 3.
31. Muhammad Shumail Naveed, Muhammad Sarim & **Kamran Ahsan**, (2016), Learners Programming Language a Helping System for Introductory Programming Courses, *Mehran University Research Journal of Engineering & Technology*, Vol.35, Num. 3, pp. 347- 358.

### **HEC Category Y**

32. Muhammad Abid Khan, Akhtar Raza, **Kamran Ahsan**, & Sana Irshad, (2024), Secure digital wallet by using QR code: mapping of mobile payment in partially connected environment, *Mehran University Research Journal of Engineering & Technology*, Vol.43, Num. 2, pp. 08-19

33. Muhammad Abid Khan, **Kamran Ahsan**, Sarwat Iqbal, & Muhammad Azhar Hussain, (2022), Novel Model for Quality Control in Agriculture Supply with Intelligent Technologies, *ILMA Journal of Technology & Software Management*, E-ISSN: 2709-2240, Vol. 3, Issue 1. [Accepted & In-Press].
34. Osama Rehman, Asiya M. Al-Busaidi, Sohaib Ahmed, & **Kamran Ahsan**, (2022), Ubiquitous Healthcare System: Architecture, Prototype Design and Experimental Evaluations, *EAI Endorsed Transactions on Scalable Information Systems*, sis 18, e43, <http://dx.doi.org/10.4108/eai.5-1-2022.172779>.
35. Sana Irshad, **Kamran Ahsan**, Muhammad Abid Khan, Sarwat Iqbal, Muhammad Azhar Hussain, Farhan Shafiq, Shah Muhammad Emad, (2021), Context-aware Wearable System for Animals – an Exploration and Classification, *International Journal on Information Technologies and Security*, No.3 (vol. 13), pp. 3-14.
36. Sarwat Iqbal, **Kamran Ahsan**, Muhammad Azhar Hussain, Adnan Nadeem, Muhammad Saeed & Sohaib Ahmed, (2018), Managing Disorientation of Time and Place in Dementia Patients Using Bluetooth Sensors, *Proceedings of the Pakistan Academy of Sciences: A. Physical and Computational Sciences*, 55 (2): 41–53.
37. Muhammad Faizan Khan, **Kamran Ahsan** and Muhammad Azhar Hussain, (2017), “Virtual Reality Projection Based Furniture Showroom – A Hypothetical Study of BPR Implementation in a Small Business of Furniture Design & Supplier.”, *Bahria University Journal of Information & Communication Technologies* Vol. 10, Issue II.
38. Adnan Nadeem, Kashif Rizwan, **Kamran Ahsan**, & Nadeem Mahmood, (2017), A Review and Classification of Energy Efficient MAC Protocols for Underwater Wireless Sensor Network, *Journal of Basic and Applied Sciences*, Vol. 14.
39. Muhammad Faizan Khan, Muhammad Azhar Hussain, **Kamran Ahsan**, Muhammad Saeed, Adnan Nadeem, Syed Asim Ali, Nadeem Mahmood and Kashif Rizwan, (2017), "Augmented Reality Based Spelling Assistance to Dysgraphia Students", *Journal of Basic & Applied Sciences*, vol. 13, pp. 500-507.
40. Muhammad Faizan Khan, **Kamran Ahsan**, & Muhammad Azhar Hussain, (2016), Cost Effective Information Technology Strategy for Microenterprise, *Bahria University Journal of Information and Communication Technology*, Vol. 9, Issue. 1, pp.8-22.
41. Hussain, Muhammad Azhar, **Kamran Ahsan**, Sarwat Iqbal, Adnan Nadeem, & Muhammad Sarim, (2016), Assisting Disabled Persons in Online Shopping: A Knowledge-Based Process Model, *Journal of Basic and Applied Sciences*, Vol. 12, pp.23-31.
42. Iqbal, Sarwat, **Kamran Ahsan**, Muhammad Azhar Hussain, & Adnan Nadeem, (2016), Social Media as Assistive Technology for Elderly, *Journal of Basic and Applied Sciences*, Vol. 12, pp.211-222.
43. Shaikh, Mohammad Khalid, Akhtar Raza, & **Kamran Ahsan**, (2016), Software Project Management as Team Building Intervention, *Journal of Basic and Applied Sciences*, pp.365-373.
44. Muhammad Sajid, Syed Akhter Raza, & **Kamran Ahsan**, (2016), Applicability Factors of Mobile Communication Technology in Healthcare Information System in Pakistan, *Science International*, Vol. 28 (5), pp.4535-4538.
45. Muhammad Faizan Khan, **Kamran Ahsan** & Muhammad Azhar Hussain, (2016), Time Based Intelligent Touch User Interface for Hand Tremor User in Self-service Kiosk, *Lasbela University Journal of Science and Technology*, Vol. 5, pp.115-125.
46. Shahzad, Muhammad, **Kamran Ahsan**, & Muhammad Azhar Hussain,(2015), Virtual Data Integration of Heterogeneous Genomic Biological Knowledge Base, *Bahria University Journal of Information and Communication Technology*, Vol. 8, Num. 2, pp.50.

47. Shahzad, Muhammad, **Kamran Ahsan**, Adnan Nadeem, & Muhammad Sarim, (2015), Gene Ontology Tools: A Comparative Study, *Journal of Basic and Applied Sciences*, Vol. 11, pp.619-629.
48. Sarwat Iqbal, **Kamran Ahsan**, Muhammad Azhar Hussain, & Adnan Nadeem, (2015), Technology-Based Charity Model through Enterprise Architecture: An Elderly Case, *Lasbela University Journal of Science and Technology*, Vol. IV, pp.28-40.
49. Muhammad Shahzad, & **Kamran Ahsan**, (2014), Comparison of Big Data Analytics Tools A Bioinformatics Case Study, *Federal Urdu University J. BIOL*, Vol. 4(1), pp.113-118.
50. Muhammad Shumail Naveed, Muhammad Sarim & **Kamran Ahsan**, (2015), On the Felicitous Application of Natural Language, *Science International*, Vol. 27, Num. 3, pp. 2643-2646.
51. Shafiq, Farhan, & **Kamran Ahsan**, (2015), Ubiquitous Information Interaction Uii In Managing Natural Disaster Challenges, *Science International*, Vol. 27, Num. 3, pp. 2093-2097.

### **HEC Category Z**

52. Khuram Mushtaque, **Kamran Ahsan**, & Ahmer Umer, (2014), IT Governance in Banking Sector: Val IT and Risk Assessment Perspective, *Science International-Lahore*, Issue. 3, ISSN: 1013-5316.
53. Ahmer Umer, **Kamran Ahsan**, & Khuram Mushtaque, (2014), Issues in digital forensic can overcome through latest technologies with real-time factors, *Science International-Lahore*, Issue. 2, ISSN: 1013-5316.

### **Other International Papers**

54. Danish ul Khairi, Ferheen Ayaz, Nagham Saeed, **Kamran Ahsan** and Syed Zeeshan Ali, (2023), Analysis of Deep Convolutional Neural Network Models for the Fine-Grained Classification of Vehicles, *Future Transportation*, 3, 133–149. <https://doi.org/10.3390/futuretransp3010009>.
55. S.Azfar, A.Nadeem, A.B. Alkhodre, **Kamran Ahsan**, N. Mehmood, T.Alghmdi & Y.Alsaawy, (2018), Monitoring, Detection and Control Techniques of Agriculture Pests and Diseases using Wireless Sensor Network: A Review, *International Journal of Advanced Computer Science and Applications (IJACSA)*, Vol. 9, No. 12, pp. 424-433.
56. Mohsin Raza Siyal, Muhammad Saeed, Jibran R. Khan and Farhan A. Siddiqui, **Kamran Ahsan**, (2017), Recognizing Human Actions by Local Space Time and LS-TSVM over CUDA, *International Journal of Advanced Computer Science and Applications (IJACSA)*, vol. 8 (11), pp. 183-186.
57. Muhammad Sajid & **Kamran Ahsan**, (2016), Role of Enterprise Architecture in Healthcare Organizations and Knowledge-Based Medical Diagnosis System, *Journal of Information Systems and Technology Management*, Vol.13 (2), pp.181-192.
58. **Ahsan, Kamran**, & Muhammad Shahzad, (2015), Visualizing Protein Structures in Virtual Interactive Interface, *Journal of Medical and Bioengineering*, Vol. 4, Num. 5.
59. Naveed Alam, Muhammad Sarim, Abdul Basit Shaikh, Sheikh Kashif Raffat, Adnan Nadeem, & **Kamran Ahsan**, (2015), Face Recognition Using Non-negative Matrix Factorization (NMF), An Analysis of Order of Decomposition on Recognition Rate, *Research Journal of Recent Sciences*, Vol. 4(4), pp.77-82, ISSN: 2277-2502.



60. **Kamran Ahsan**, Jibran Khan, Khurram Iqbal & Muhammad Talha, (2015), Performance Management System: An Automated Approach through RFID Technology, *Research Journal of Recent Sciences*, Vol. 4(5), pp.77-84.
61. Shaikh K, & **Kamran Ahsan**, (2015), Software Project Management in Developing Countries: Landscape, Literature Review Framework and Opportunities, *Research Journal of Recent Sciences*, Vol. 4, Num. 1, pp.118-128.
62. **Kamran Ahsan**, Khuram Mushtaque, & Ahmer Umer, (2015), Digital Forensic Investigation Models, an Evolution study, *Journal of Information Systems and Technology Management*, Vol. 12, No. 2, pp.233-244.
63. Khuram Mushtaque, **Kamran Ahsan**, & Ahmer Umer, (2015), IT governance issues in banking sector of Pakistan, *Research Journal of Recent Sciences*, Vol. 4(3), 9-15, March (2015) .
64. Khuram Mushtaque, Ahmer Umer, & **Kamran Ahsan**, (2014), Digital Forensic Models: A comparative study based in large enterprises of Pakistan, *Research Journal of Recent Sciences*, Vol. 3(8), 103-110, August (2014).
65. Muhammad Amir Nisar, Amir Mehmood, Adnan Nadeem, **Kamran Ahsan** & Mmuhammad Sarim, (2014), A Two Dimensional Performance Analysis of Mobility Models for MANETs and VANETs, *Research Journal of Recent Sciences*, Vol. 3, Issue. 5, ISSN 2277-2502.
66. Abdul Basit Shaikh, Muhammad Sarim, Andre Mostert, Muhammad Siddiq, Adnan Nadeem, **Kamran Ahsan**, & Sheikh Kashif Raffat, (2014), Integrating Entrepreneurship into the Teaching of IT, *Research Journal of Recent Sciences*, Vol. 3, Issue. 6, pp.112-115, ISSN 2277-2502.
67. Abdul Basit Shaikh, Muhammad Sarim, Sheikh Kashif Raffat, **Kamran Ahsan**, Adnan Nadeem, & Muhammad Siddiq, (2014), Artificial Neural Network: A Tool for Diagnosing Osteoporosis, *Research Journal of Recent Sciences*, Vol. 3, Issue. 7, pp.87-91, ISSN 2277-2502.
68. Abdul Salam, Adnan Nadeem, **Kamran Ahsan**, Muhammad Sarim, & Kashif Rizwan, (2014), A class based QoS model for Wireless Body Area Sensor Networks, *Research Journal of Recent Sciences*, Vol. 3, Issue. 7, pp. 69-78, ISSN 2277-2502.
69. Abdul Salam, Adnan Nadeem, **Kamran Ahsan**, Muhammad Sarim & Kashif Rizwan, (2014), A Novel QoS Algorithm for Health Care Applications of Body Area Sensor Networks, *Journal of Basic and Applied Scientific Research*, Vol. 4, Issue. 7, pp. 169-178, ISSN: 2090-4304.
70. Obaid Ullah Owais Khan, Adnan Nadeem, **Kamran Ahsan**, & Nadeem Mehmood, (2014), RPRP: Routing Protocol to Ensure the Reliability in Health Care System, *Journal of Basic and Applied Scientific Research*, Vol. 4, Issue. 8, pp. 17-25, ISSN: 2090-4304.
71. ObaidUllah Owais Khan, **Kamran Ahsan**, & Abdul Salam, (2014), Assistive Technology For Night Blind Tourist: A Mobile Application Approach, *International Journal of E-Services and Mobile Applications (IJESMA)*, Vol. 6, Issue. 4.
72. **Ahsan K**, Iqbal S, Nadeem A, & Sarim M, (2014), UniCon Remote Control Model – A Mobile System for Assistive Technology, *Research Journal of Recent Sciences*, Vol. 3(4), pp.95-102.
73. Saeed Azfar, Adnan Nadeem, **Kamran Ahsan**, & Muhammad Sarim, (2014), Impact Analysis and a Detection Method for Misbehaving Nodes in Mobile Ad-hoc Networks, *Journal of Basic and Applied Scientific Research*, Vol. 4, Issue. 8, pp. 26-35, ISSN: 2090-4304.
74. Muhammad Ashraf, Muhammad Sarim, Abdul Basit Shaikh, Sheikh Kashif Raffat, Adnan Nadeem, **Kamran Ahsan** & Muhammad Siddiq, (2013), Face Recognition Using Weighted Distance Transform, *Research Journal of Recent Sciences*, Vol. 3, Issue. 9, pp. 19-25, ISSN 2277-2502.

75. **Kamran Ahsan**, Obaid Khan, & Abdul Salam, (2013), Assistive Technology For Night Blindness: A Mobile Application Approach, *Int. J. Mobile Learning and Organizaion*, Inderscience Publisher, Vol. 7, issue 2, pp. 140-157.
76. Farhan Shafiq, & **Kamran Ahsan**, (2013), An ICT based Early Warning System for Flood Disasters in Pakistan, *Research Journal of Recent Sciences*, Vol. 3, Issue. 9, pp. 108-118, ISSN 2277-2502.
77. Farhan Shafiq, & **Kamran Ahsan**, (2013), Knowledge Management for Disaster Scenario: An Exploratory Study, *Research Journal of Recent Sciences*, Vol. 2(10), pp. 61-66, ISSN 2277-2502.
78. Farhan Shafiq, **Kamran Ahsan**, Adnan Nadeem, Muhammad Sarim, Abdul Basit Shaikh, & Muhammad Siddiq, (2013), Role of ICT in Climate Change Monitoring, *Research Journal of Recent Sciences*, ISSN 2277-2502.
79. **Kamran Ahsan**, Nadeem Mahmood & Adnan Nadeem, (2012), Information Handing with Mobile Client using Web Services: a Disconnected Approach, *Columbia International Publishing Journal of Advanced Internet of Things*, Vol. 1, Issue. 1, pp.1-18).
80. Nageen Mustafa, **Kamran Ahsan**, & Paul Kingston, (2012), Intelligent Survey Software use Decision Board Analysis Technique for Recruitment Process in UK, *WSEAS Transactions on Information Science and Applications*, *WSEAS Journal of Computing*, Vol. 9, Issue. 7, ISSN: 2224-3402.
81. Nageen Mustafa, **Kamran Ahsan**, & Paul Kingston, (2011), Survey Software: A Data Collection Tool Based on the Principles of the Decision Board Analysis, *WSEAS Transactions on Information Science and Applications*, *WSEAS Journal of Computing*, Vol. 8, Issue. 5, ISSN: 2224-3402.
82. **Kamran Ahsan**, Hanifa Shah & Paul Kingston, (2010), Location Context for Knowledge Management in Healthcare, *Int. J. of Healthcare Technology and Management*, vol. 11, Num. 1/2, pp.3-12.
83. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2010), RFID Applications an Introductory and Exploratory Study, *International Journal of Computer Science Issue (IJCSI)*, Vol. 7, Issue 1.
84. **Ahsan Kamran**, Nouman Nazish, Kamran Anum, Farhana Hussain, & Ahmed SaboohiNaem, (2013), Cloud-Based Shared Food Ordering System with Context Awareness: A Location Base Services Approach, *Research Journal of Recent Sciences*, *International Science Congress Association*, Vol. 2(11), 84-89, ISSN 2277-2502.
85. Khawar Hameed, Hanifa Shah, **Kamran Ahsan**, & Weijun Yang, (2010), An Enterprise Architecture Framework for Mobile Commerce, *Int. J. of computer science issues*, vol. 7, Issue.3, Num. 5.
86. Khawar Hameed, **Kamran Ahsan**, & Weijun Yang, (2010), Mobile Commerce and Applications: An Exploratory Study and Review, *Journal of computing*, vol. 2, issue 4.
87. Nadeem Mahmood, Aqil Burney & **Kamran Ahsan**, (2010), A Logical Temporal Relational Data Model, *International Journal of Computer Science issues*, Vol. 7, Issue. 1, Num. 1.

### **Other National Papers**

88. Muhammad Hassan, Muhammad Saeed, Ali Nawaz, **Kamran Ahsan**, Sehar Jabeen, Farhan Ahmed Siddiqui, Khawar Islam, (2018) Effective Word Prediction in Urdu Language Using Stochastic Model, *Sukkur Journal of Computing and Mathematical Sciences (SJCMS)*, P-ISSN: 2520-0755, E-ISSN: 2522-3003, vol. 2 (2), pp.38-46.
89. Muhammad Sajid, & **Kamran Ahsan**, (2014), Enterprise Architecture for Healthcare Organizations, *World Applied Sciences Journal*, Vol. 30(10), pp.1330-1333.

## Conferences Papers

90. Shah Muhammad Emaduddin, **Kamran Ahsan**, Ibtesam Mazahir, (2020), Machine Learning based methodology for Depressive Sentiment Analysis, 3rd International Conference on Intelligent Technologies and Applications, GJØVIK, Norway.
91. Kashif Rizwan, Adnan Nadeem, Nadeem Mahmood, Sameen Athar & **Kamran Ahsan**, (2016), A case study of remote monitoring and its integration with emergency services, *1st National Conference on Emerging Trends and Innovations in Computing & Technology*, 15-16th March, 2016, At Bahria University, Karachi Campus, pp.104-108.
92. **Kamran Ahsan**, & Muhammad Sajid, (2016), Indexing Technique for Integrating Medical Diagnostic Knowledge Base With Voice Based Urdu Language Interface, *Proceedings of ISER 17th International Conference*, Auckland, New Zealand.
93. **Kamran Ahsan**, Sarwat Iqbal, Muhammad Azhar Hussain, & Adnan Nadeem, (2016), A Mobile Payment Model Using Biometric Technology, *International Journal of Advances in Science Engineering and Technology*, Vol.-4, Issue. 4.
94. **Kamran Ahsan**, Sarwat Iqbal, & Muhammad Azhar Hussain, (2014), Remote Control Model For Controlling Multiple Devices Through Mobile – A Mobile System For Assistive Technology, *ISIS-Miami Beach International Multidisciplinary Academic Conference*, Miami.
95. Obaid Khan, Adnan Nadeem, & **Kamran Ahsan**, (2013), RPRP: Reliable Proactive Routing Protocol for Wireless Body Area Sensor Network. Integration of RFID Technology with Time Oriented Database System for Managing Patients in Karachi Hospitals. *International Conference on Information and Communication Technology Trends*.
96. Muhammad Sajid, & **Kamran Ahsan**, (2013), Role of Enterprise Architecture, 1st International Conference on Information and Communication Technology Trends (ICICTT), Karachi.
97. Abdul Salam, Adnan Nadeem & **Kamran Ahsan**, (2013), A Class Based QoS Model for Wireless Body Area Sensor Networks. *International Conference on Information and Communication Technology Trends*, pp.120.
98. Muhammad Sajid, & **Kamran Ahsan**, (2013), Role of Enterprise Architecture, A Class Based QoS Model for Wireless Body Area Sensor Networks, *International Conference on Information and Communication Technology Trends 2013*, pp.209.
99. Shumail Naveed, Muhammad Sarim, & **Kamran Ahsan**, (2013). Compiler Engineering: The Fusion of Compiler Construction and Knowledge Management, *International Conference on Information & Communication Technology Trends*, pp.215.
100. **Kamran Ahsan**, Adnan Nadeem, Sarwat Iqbal & Muhammad Azhar Hussain, (2013), UniCon Remote Control Model A Mobile System for Assistive Technology, *International Conference on Information and Communication Technology Trends*, pp.222.
101. **Kamran Ahsan**, & Fahran Shafiq (2013). Role of ICT in Climate Change Monitoring. International Conference on Plants, People and Climate , at National University of Sciences and Technology, pp. 87.
102. Nadeem Mahmood, **Kamran Ahsan**, Zain Abbas, & Kashif Rizwan, (2013). Integration of RFID Technology with Time Oriented Database System for Managing Patients in Hospitals. Karachi. *International Conference on Information and Communication Technology Trends*, pp.184
103. Farhan Shafiq & **Kamran Ahsan**, (2013), A review Study of ICT based Climate Change Monitoring Services, *International Conference on Plants, People and Climate held at NUST in Islamabad*.

104. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2010), Healthcare Modelling through Enterprise Architecture: A Hospital Case, *Proceeding Information Technology: New Generations (ITNG)*, IEEE.
105. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2010), Patients Processes In Healthcare An Abstract View Through Enterprise Architecture, *International Conference on Information Management and Evaluation (ICIME)*, University of Cape Town, South Africa.
106. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2010), Knowledge Management Integration Model for IT Applications with hooking RFID Technology, The 9th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'10), *The World Scientific and Engineering Academy and Society (WASEAS)*, University of Cambridge, UK.
107. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2010), Knowledge Management with Location Deduction Technology: A hospital Case, *Advance Information Networking and Applications (AINA)*, *IEEE Systems Journal*.
108. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2010), Mobile Healthcare Applications Study and A Context Aware Application, *Proceeding of International conference on recent trends in Business Administration and Information Processing (BAIP)*, The Association of Computer, Electronics and Electrical Engineers (ACEEE).
109. Aqil Burney, Nadeem Mahmood, & **Kamran Ahsan**, (2010), TempR-PDM: A Conceptual Temporal Relational Model for Managing Patient Data, The 9th WSEAS International Conference on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'10), *The World Scientific and Engineering Academy and Society (WASEAS)*, University of Cambridge, UK.
110. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2010), RFID Components, Applications and Alternatives in Healthcare Settings, workshop Medical Application Network (MAN), *International Conference on Communication (ICC)*, IEEE Conference.
111. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2009), Context Based Knowledge Management in Healthcare: An EA approach, AMCIS (2009), available at AIS library: <http://aisel.aisnet.org/amcis2009/297/>.
112. **Kamran Ahsan**, Hanifa Shah, & Paul Kingston, (2009), Role of Enterprise Architecture in healthcare IT, *Proceeding International Conference on Information Technology : New Generations ITNG*, IEEE.
113. Nageen Mustafa, & **Kamran Ahsan**, (2008), How the United Kingdom's Criminal Records Bureau can reduce the prevalence of elder abuse by improving recruitment decision-making, European Meeting in Association with the Faculty of Old Age Psychiatry of the Royal College of Psychiatrists by *The International Psychogeriatric Association at Dublin*.

### **Posters**

114. Sarwat Iqbal, Adnan Nadeem, & **Kamran Ahsan**, (2013), Existing and Future Applications of WBASN. *International Conference on Information and Communication Technology Trends*, pp.259.
115. **Kamran Ahsan**, Sarwat Iqbal, Muhammad Azhar Hussain, & Adnan Nadeem, (2013). UniCon Remote Control Model A Mobile System for Assistive Technology, *International Conference on Information and Communication Technology Trends*, pp.270.
116. Shumail Naveed, Muhammad Sarim & **Kamran Ahsan**, (2013), Natural Language computing. Karachi. *International Conference on Information and Communication Technology Trends*, pp.276.

117. Farhan Shafiq, **Kamran Ahsan**, & Abdul Basit Shaikh, (2013), Community Disaster Management System, Karachi, *International Conference on Information and Communication Technology Trends*, pp.277.
118. Muhammad Sajid, & **Kamran Ahsan**, (2013), Knowledge Base Medical Diagnostic System, Karachi, *International Conference on Information and Communication Technology Trends*, pp.278.

## **RESEARCH EVALUATION**

<b>Activities</b>	<b>Organization</b>	<b>Date</b>
1. NGIRI, Millions of Rupees Minor Projects evaluation	IGNITE	Jun, 2023
2. NGIRI, Millions of Rupees Minor Projects evaluation	IGNITE	Aug, 2022
3. NGIRI, Millions of Rupees Minor Projects evaluation	IGNITE	Apr, 2021
4. NGIRI, Millions of Rupees Minor Projects evaluation	IGNITE	July, 2019
5. Millions of Rupees Minor Projects evaluation	ICTRND	March, 2014
6. Judge for Research Project Evaluation on 25 <sup>th</sup> Year's Calibration	Sir Syed University of Science & Technology	2 <sup>nd</sup> Nov, 2013
7. Evaluation Mini Research Projects of several million Rupees	Federal Urdu University of Arts, Science & Technology	2013 to 2015
8. Millions of Rupees Major Projects evaluation	ICTRND	Feb, 2013

## **ACHIEVEMENTS**

### **International**

1. Impact Factor research on COVID19 published by the International Journal of Engineering Education is picked by World Health Organization in 2022.
2. Received Best Paper Award in ISERD International Conference, Los Angeles, 27<sup>th</sup> August 2016.
3. Member of The ISIS Academic Board USA 2014.
4. Research Quality Assurance and Industrial Linkage Committee Member for 2 years (Feb, 2010 – March, 2012) at Faculty of Computing, Engineering and Technology, Staffordshire University.
5. Speak about Knowledge Management Integration Model for IT Applications with RFID Technology on 20<sup>th</sup> Feb, 2010 at Cambridge University.
6. Design and implement “Mobile computer systems” course at Staffordshire University in 2009.
7. Present a poster “Can New Mobile Technology Improve Quality of Life for Older People? A Way to drive Elderly Care Forward” in the conference “IPA European Regional Meeting” on 3<sup>rd</sup> - 6<sup>th</sup> of May, 2007 at Istanbul, Turkey.
8. Attend Seminar “4<sup>th</sup> International Seminar on Appropriate Healthcare Technologies for Developing Countries” on 23<sup>rd</sup> and 24<sup>th</sup> of May, 2006 at London.
9. Present Web Content Management In the conference “IPA European Regional Meeting” on 6<sup>th</sup> of May, 2006 at Lisbon, Portugal.
10. Present Web Project In the conference “Launch of Ageing and Mental health centre, Staffordshire University” on 24<sup>th</sup> of April, 2006 at GHC (Gnosall Healthcare Centre), UK.

11. Present Web Content Management Project In the conference “Health Services In Staffordshire Your Opportunity To Influence Service Re-design” on 26<sup>th</sup> of October, 2005 at Stafford, UK.

### **National**

12. Received Grant for MS, and PhD Students from Bahria Town 2016.
13. Lead a Team for Successful “Business Plan” for Federal Urdu University (FUU) at National level and developed KPIs. Plan achieved the 2<sup>nd</sup> highest score of 90.25 at National level. Team achieved future layout plan for maintaining and enhancing organizational processes and developed new sustainable Business/Department ideas in 2016.
14. Plenary Speaker at 2<sup>nd</sup> International Conference on Plants, People and Climate 2013, 5-7, Nov, 2013 held at National University of Sciences and Technology, Islamabad, Pakistan.
15. Chair the 1st International Conference on Information & Communication Technology Trends 2<sup>nd</sup> to 5<sup>th</sup> September 2013 at FUUAST Karachi.
16. Key note speaker for healthcare services improvements and research opportunities in Pakistan in seminar on Healthcare management system and ICT in developing countries at DCS-UBIT, University of Karachi (22<sup>nd</sup> June, 2009).

## **CONSULTANCIES**

### **International**

1. Patients’ flow Consultancy for Shrewsbury and Telford, NHS Trust, UK (2007-2012).
2. ICT use/implementation for U3A (University of the Third Age), a registered charity in United Kingdom, a self-managed lifelong learning co-operatives for older people no longer in full time work, UK (2010-2012).
3. CAMH, CRB Survey software for field work Consultancy, UK (2007-2011).
4. Canditv Ltd, Consultancy for mobile software interaction with tourist TV screen, Feasibility report, UK (2009-2010).
5. Fantastic Ltd, Consultancy for Web Interface design and development for managing business, UK (2008-2009).
6. Fantastic Ltd, Consultancy for ERD, Feasibility report, UK (2007-2008).
7. Image Habitat Ltd, Consultancy for Mobile Betting software, UK (2005-2006).

### **National**

8. Member as Subject Expert for HEC's Anti Plagiarism Policy (Version 2.0) at Bahria University, Karachi, Since Oct, 2023.
9. Member of Academic Council at ‘Millennium Institute of Technology & Entrepreneurship’ University for 3 years (Dec 2022 to Dec 2025).
10. Advisory member for University of Sindh Journal of Information and Communication Technology (USJICIT), University of Sindh, since June, 2017.
11. Member of Board of Study at Jinnah University for Women, Karachi (2012-2015).

## **MEMBERSHIPS**

### **International**

1. Editor in Chief of Research Journal of Computer and Informational Technology Sciences, International Science Congress Association since 2016.

2. Editorial Board Member of Research Journal of Recent Sciences since 2016.
3. Editorial Board Member of Research Journal of Computer and Information Technology Sciences since 2016.
4. Member of The ISIS Academic Board USA since 2014.
5. Fellow membership for International Science Congress Association since 2013.

**National**

6. Member of Technical Committee, Pakistan Standards and Quality Control Authority since 2012.