

# Dr. NIDA ASLAM

## Personal Data

Nationality | Pakistani

Department | Computer Science

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## Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
May, 2011	PhD	Middlesex University	Hendon, London, UK
Jan, 2006	BS in Information Technology	Kohat University	Kohat, Pakistan

## PhD, Master Research Title: (Academic Honors or Distinctions)

<b>PhD</b>	Semantic Multimedia Modelling & Interpretation for Search & Retrieval
<b>Bachelor</b>	Computer Science (Information Technology)

## Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant Prof.	Dept. of Computer Science, IAU	Sep 2013 – till date
Assistant Prof.	Institute of IT, Kohat University, Kohat, Pakistan	July 2011 – May, 2013
Lecturer	Institute of IT, Kohat University, Kohat, Pakistan	June 2006 – June, 2011

## Scientific Achievements

### Published Refereed Scientific Research

(In Chronological Order Beginning with the Most Recent)

Sr.	Role	Title of the project	Funding Body	Budget	Year
1	PI	Exploiting Social media for exploring the impact of COVID-19 pandemic Outbreak on the individual's Psychological and mental health	DSR	-	2020
2	CO-PI	A preemptive early warning and prediction model to forecast the progression of COVID-19 in Saudi Arabia using machine learning techniques.	DSR		2020

3	CO-PI	A Deep Learning Approach for the automated early screening and prediction of Coronavirus (COVID-19) using CT Images	DSR		2020
4	P-CO	Smart Health Monitoring system: Remote Triaging as a Proactive Measure to Contain the Spread of COVID-19 .	KACST		2020
5.	CO-PI	Building a Predictive Model for Early Prediction of Sever Covid 19 Disease Using Artificial Intelligence			2020

### Journals

Sr.	Author/s	Title of the paper	Journal Name	Publisher/IF	Year
1	Nida Aslam,Irfan Ullah Khan, Samar Alkhalifah, Sarah Abbas AL-Sadiq, Shahad Wael Bughararah, Meznah Abdullah AL-Otabi, Zainab Mohammed AL-Odinie	Predicting diabetic patient hospital readmission using optimized Random Forest and Firefly evolutionary algorithm	International Journal on Advanced Science, Engineering and Information Technology- Accepted	INSIGHT-1.072	2021
2	AlAli Moneera, AlQahtani Maram, AlJuried Azizah, Taghareed AlOnizan, Dalia Alboqaytah,Nida Aslam, Irfan Ullah Khan	Click through Rate Effectiveness Prediction on Mobile Ads Using Extreme Gradient Boosting	CMC	Techscience-4.89	2021
3	Dima M. Alalharith, Hajar M. Alharthi, Wejdan M. Alghamdi, Yasmine M. Alsenbel, Nida Aslam, Irfan Ullah Khan, Suliman Y. Shahin, Simona Dianišková,	A Deep Learning-Based Approach for the Detection of Early Signs of Gingivitis in Orthodontic Patients Using Faster Region-Based Convolutional Neural Networks	IJERPH	MDPI-2.849	2020

	Muhanad S. Alhareky, Kasumi K. Barouch				
4	Irfan Ullah Khan, Nida Aslam	A Deep-Learning-Based Framework for Automated Diagnosis of COVID-19 Using X-ray Images	information	MDPI-2.4	2020
5	Fatima Alshakhs, Hana Alharthi, Nida Aslam, Irfan Ullah Khan, Mohamed Elasheri	Predicting Postoperative Length of Stay for Isolated Coronary Artery Bypass Graft Patients Using Machine Learning	International Journal of General Medicine	Dovepress-1.927	2020
6	Nida Aslam, Shafiq Ur Rehman, Irfan Ullah Khan, Muhammad Ajmal Khan	Exploring the Development and Progression of 5G- A Bibliometric Analysis of scholarly Production	Library Philosophy and Practice	University of Idaho Library-0.25	2020
7	Aisha Barahim, Amal Alhajri, Norah Alasaibia, Nouf Altamimi , Nida Aslam, Irfan Ullah Khan	Enhancing the Credit Card Fraud Detection Through Ensemble Techniques”	Journal of Computational and Theoretical Nanoscience	American Scientific Publishers	2019
8	Sarah m. Alsubaie, kholoud m. Almutairi, najla a. Alnuaim, Reem a. Almuqbil, Nida Aslam, Irfan ullah	Automatic semantic sentiment analysis on twitter tweets using machine learning: a comparative study	Journal of Theoretical and Applied Information Technology		2019
9	Raghad Bogery, Nora Al Babbain, Nida Aslam, Nada Alkabour, Yara Al Hashim, Irfan Ullah Khan	Automatic Semantic Categorization of News Headlines Using Ensemble Machine Learning: A Comparative Study	International Journal of Advanced Computer Science and Applications		2019
10	Nida Aslam, Irfan Ullah, Rohullah, Bilal	Tracking the Progression of Multimedia Semantics: From Text Based Retrieval to Semantic Based Retrieval	World Applied Sciences Journal		2012

	Shams, Talha Akram and Mujaddid Shabir				
11	Nida Aslam, Irfan Ullah, K.K. Loo,	Limitation and Challenges: Image/Video Search & Retrieval	International Journal of Digital Content Technology and its Applications (JDCTA),		2009
12	Nida Aslam, Irfan Ullah, K.K. Loo,	Growing Trend from Uni to Multimodal Video Indexing	International Journal of Digital Content Technology and its Applications (JDCTA),		2009
13	I.Khan, N. Aslam, K.K. Loo	Semantic Annotation Gap: where to put the responsibility	International Journal of Digital Content Technology and its Applications (JDCTA),		2009
14	I.Khan, N. Aslam, K.K. Loo	Semantic Multimedia Annotation: Text Analysis	International Journal of Digital Content Technology and its Applications (JDCTA),		2009

**Conferences**

<b>Sr.</b>	<b>Author/s</b>	<b>Title of the paper</b>	<b>Conference</b>	<b>Year</b>
1	Nida Aslam, Irfan Ullah Khan	Predictive Modeling and Analytics for Liver Fibrosis using Machine Learning techniques	2021 7th International Conference on Computing and Data Engineering (ICDE2021)	2021
1	Sarah Saud Alotaibi, Yasmeen Ahmed Almajid, Samar Fahad Alsahali, Nida Aslam, Maha Dhawi Alotaibi, Irfan Ullah Khan, Rahaf Mohammed Altabee	Automated prediction of Coronary Artery Disease using Random Forest and Naïve Bayes	International Conference on Advanced Computer Science and Information System (ICAC SIS)-IEEE	2020
2	Lama A. Alqahtani, Hanadi M. Alotaibi, Irfan Ullah Khan, Nida Aslam	Automated prediction of Heart disease using optimized machine learning techniques	IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON)	2020
3	Leena h. Alamri, Ranim s. Almuslim, Mona s. Alotibi, Dana k. Alkadi, irfan ullah khan, nida aslam	Predicting Student Academic Performance using Support Vector Machine and Random Forest	International Conference on Education Technology Management (ICETM 2020)	2020
4	Bshayer S. Aldossari, Futun M. Alqahtani, Noura S. Alshahrani, Manar M. Alhammam, Razan M. Alzamanan, Nida Aslam, Irfanullah	A comparative study of Decision Tree and Naive Bayes machine learning model for crime category prediction in Chicago	6th International Conference on Computing and Data Engineering	2020

5	Mehwash Farooqui, Khadijah H.Alhyder, Muneera A. Alhajri, Maha N.Aldughreer, Sarah A.Alzayed, Abeer I. Alsomali, Nida Aslam, Mohammed D.Alahmri	A Non-invasive device and automated monitoring system using peak flow meter for asthma patients	International Conference on Computer Applications & Information Security (ICCAIS)	2020
6	Tasneem Hamdy Dosoqi, Muneera Abdulrahman Alshaalan, Rahaf Saleh Alzahrani, Khawlah Fahad Bajbaa, Irfan Ullah Khan, Nida Aslam	HITAF: Mobile Application for Real-Time Sign Language 3D-animator for the Arabic Language	2020 International Conference on Computer and Information Sciences (ICCIS)	2020
7	Tasneem Hamdy Dosoqi, Rahaf Saleh Alzahrani, Rawan Fuad Alessa,Muneera Abdulrahman Alshaalan, Khawlah Fahad Bajbaa , Dr. Irfan Ullah,Dr. Nida Aslam	TALK TO ME: Mobile Application for Real-Time Arabic Sign Language	3rd International Conference on Computer Applications & Information Security (ICCAIS' 2020)	2020
8	Asma Z. Yamani, Futun M. Alqahtani, Noura S. Alshahrani, Razan M. Alzamanan, Nida Aslam, Atheer S. Algherairy	A proposed noninvasive point-of-care technique for measuring hemoglobin concentration	International Conference on Computer and Information Sciences (ICCIS)	2019
9	Aisha Barahim, Amal Alhajri, Norah Alasaibia, Nouf	Integration of 3D Virtual Reality in Diagnostic and Therapeutic of Cardiac Tumors	10th IEEE-GCC 2019	2019

	Altamimi, Nida Aslam			
10	Aurangzeb Khan, Umair Younis, Alam Sher Kundi, Muhammad Zubair Asghar, Irfan Ullah, Nida Aslam, Imran Ahmed	Sentiment Classification of User Reviews using Supervised Learning Techniques with Comparative Opinion Mining Perspective	Computer Vision Conference (CVC)	2019
11	Nida Aslam, Irfan Ullah, Jonathan Loo, Martin Looms, Roohullah	A Semantic Query Interpreter framework by using knowledge bases for image search and retrieval	10th IEEE International Symposium on Signal Processing and Information Technology	2011
12	Irfan Ullah, Nida Aslam, Jonathan Loo, Martin Looms, Roohullah	A framework for high level semantic annotation using trusted object annotated dataset	10th IEEE International Symposium on Signal Processing and Information Technology	2011
13	Nida Aslam, Irfan Ullah, Jonathan Loo, RoohUllah, Martin Loomes	SemRank: ranking refinement strategy by using the semantic intensity	World Conference on Information Technology, 2010	2010
14	Irfan Ullah, Nida Aslam, Jonathan Loo, RoohUllah	"Adding Semantics to the reliable Object Annotated Image Databases "	World Conference on Information Technology, 2010	2010

#### Membership of Scientific and Professional Societies and Organizations

#	Role	Name of the Organization	
1	Evaluator/Reviewer	King Abdulaziz City for Science and Technology (Saudi Arabia)	2014-till date
2	Evaluator/Reviewer	National ICT R&D (Pakistan)	2011-till date

**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

1	Multimedia Technology
2	Intelligence System
3	Image Processing
4	Computer Vision
5	Computer Graphics
6	Artificial Intelligence
7	Machine Learning
8	Data Mining
9	Knowledge Engineering
10	Natural Language Processing