Dr. Nida Aslam

Personal Data

Nationality |Pakistani

Date of Birth |30-06-1982

Department |Computer Science

Official IAU Email | naslam@iau.edu.sa

Office Phone No. | 32028

Language Proficiency

Language	Read	Write	Speak
Arabic	Good	Poor	Very Poor
English	Good	Good	Good
Others (Urdu, Pashto)	Very Good	Very Good	Very Good

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 or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Semantic Multimedia Modelling & Interpretation for Search & Retrieval
Bachelor	Information Technology
Fellowship	

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 – Sep, 2013
Lecturer	Institute of IT, Kohat University, Kohat, Pakistan	June, 2006 – June, 2011

Scientific Achievements

Published Refereed Scientific Researches
(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Nida Aslam, Irfan Ullah,	Tracking the Progression of Multimedia Semantics: from Text Based Retrieval to Semantic Based Retrieval	2012
2	Nida Aslam, Irfan-Ullah	SemRank: ranking refinement strategy by using the semantic intensity.	2011
3	Nida Aslam, Irfan-Ullah	Adding semantics to the reliable object annotated image database	2011
4	Nida Aslam, Irfan-Ullah	Limitation and Challenges- Image/Video Search & Retrieval	2009
5	Nida Aslam, Irfan-Ullah	Growing Trend from Uni-to-Multimodal Video Indexing	2009
6	Irfan Ullah, Nida Aslam,	Semantic Multimedia Annotation - Text Analysis	2009
7	Irfan Ullah, Nida Aslam,	Semantic Annotation Gap: Where to put Responsibility?	2009

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Irfanullah, Nida Aslam	A Framework for High Level Semantic Annotation Using Trusted Object Annotated Dataset	IEEE International Symposium on Signal Processing and Information Technology, 2010
2	Nida Aslam, Irfanullah	A Semantic Query Interpreter framework by using knowledge bases for image search and retrieval	IEEE International Symposium on Signal Processing and Information Technology, 2010

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
1	Irfanullah, Nida Aslam (Imam Abdulrahman Bin Faisal University)	Web Accessibility & Usability of the KSA-Universities	2014-15
2	Irfanullah, Nida Aslam (Imam Abdulrahman Bin Faisal University)	A classification and prediction based model for exploring the risk of cardio vascular disease in Diabetic patients	2016-17
3	Irfanullah, Nida Aslam (Imam Abdulrahman Bin Faisal University)	Knowledge based ontologies system for video surveillance	2014-15
4	Irfanullah, Nida Aslam (ICT, Pakistan)	Open-Profile Talent Hunt "A project module CV-Semantic Annotation"	2011
5	Irfanullah, Nida Aslam (HEC, Pakistan)	Image Lexicon: An ObjectNet for Images	2011
6	Nida Aslam, Irfanullah (HEC, Pakistan)	Semantic Histogram: A road map to bridge the semantic gap for visual data	2011

Current Researches

#	Research Title	Name of Investigator(s)
1	A classification and prediction based model for exploring the risk of cardio vascular disease in Diabetic patients	Nida Aslam, Irfan Ullah
2	NEPTUNE Virtual Reality exposure therapy for claustrophobia	Nida Aslam

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Artificial Intelligence	CS 512	Lectures: 32 Lab:16
2	Computer Vision & Computer Graphics	CS 524	Lectures: 16 Lab:8
3	Operating System	CS 322	Lectures: 32 Lab:16
4	Data Structure	CS 310	Lectures: 32 Lab: 8
5	Software Engineering	CS 411	Lecture :48 Lab:0

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

1	**Artificial Intelligence-CS 512:** Introduction to artificial intelligence topics, techniques for representing knowledge and their treatments in a software (knowledge base, meta-knowledge, rule, frame, script, fuzzy sets and possibility theory). Prolog is used for the Lab exercises.
2	**Computer Vision & Computer Graphics-CS 524:** Introduction to computer vision and computer graphics. Covers the fundamental algorithms for drawing line, circle etc. and image formation, image processing, image segmentation, object detection and recognition. It also covers graphics primitives, raster images, scan conversion, clipping and viewing algorithms, 2D and 3D Transformations.
3	**Operating System-CS 322:** Cover basic concepts of operating systems (OS), the major topics are process description and control, threads, scheduling, memory management, virtual memory, I/O management and disk scheduling and file management.
4	**Data Structure-CS 310:** It is complementary to "object-oriented concepts". The aim is to provide the fundamentals of data structures, algorithm design in the light of object-oriented. The course focused on implementation strategies and their manipulations for arrays, stacks, queues and linked lists; Recursion; also, Implementation strategies for tree and graph algorithms. The data structures representation and manipulations are exercised using Java programming language.
5	**Software Engineering –CS 411:** The purpose of this course is to provide students with fundamental knowledge of object oriented programming (OOP). It emphasizes good software engineering principles and developing programming skills. Specific topics covered include: fundamental concepts of object oriented programming (classes, methods, instantiation, communication by message, encapsulation, inheritance, overriding, dynamic dispatch, polymorphism, etc.) and some interesting packages (I/O, strings, etc.). As an OOP programmer, a student will be able to translate solution problem into object oriented form.

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Artificial Intelligence	√	X	√	X	Sep-2015	Jan-2016
2	Operating System	√	X	√	X	Sep-2016	Jan-2017
4	Data Structure	√	X	√	X	Feb-2016	Jun-2016
5	Comp. Graphics & Comp. Vision	√	X	√	X	Sep-2016	Jan-2017
6	Software engineering	X	√	√	X	Sep-2014	Jan-2015

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
1	Undergraduate	5	Sep 2013	May 2014
2	Undergraduate	5	Sep 2013	May 2014
3	Undergraduate	5	Sep 2014	May 2015
4	Undergraduate	5	Sep 2014	May 2015s
5	Undergraduate	5	Sep 2015	May 2016
6	Undergraduate	5	Sep 2016	May 2017

Administrative Responsibilities, Committee and Community Service
(Beginning with the most recent)

Committee Membership

#	From	To	Position	Organization
1	Sep 2013	June 2014	Member(Website Development Committee)	Imam Abdulrahman Bin Faisal University
2	Feb 2014	Sept 2014	Member (COOP)	Imam Abdulrahman Bin Faisal University
3	Sept 2013	June 2014	Member (Senior Project)	Imam Abdulrahman Bin Faisal University
4	Feb 2016	Till date	Member (COOP)	Imam Abdulrahman Bin Faisal University

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

1	Multimedia Technology
2	Intelligence System
3	Image Processing
4	Computer Graphics & Computer Vision
5	Artificial Intelligence

Last Update

09/11/2016