ASIYA ABDUS SALAM

Lecturer

Personal Data

Nationality | Pakistan

Date of Birth | 19th September

Department | College of Computer Science and Information Technology

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Office Phone No. | 32040

Language Proficiency

Language	Read	Write	Speak
Arabic	Yes	Yes	Yes
English	Yes	Yes	Yes
Urdu	Yes	Yes	Yes

Academic Qualifications

Date	Academic Degree	Place of Issue	Address
Dec 2009	Master of Business Administration	Karachi, Pakistan	KUBS, University of Karachi, Karachi, Pakistan
Dec 2006	Master of Computer Science / Bachelor of Computer Science	Karachi, Pakistan	UBIT, University of Karachi, Karachi, Pakistan

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

Master	Report on Financial Analysis of FFC ltd.

Professional Record:

Job Rank	Place and Address of Work			Date
Lecturer	CIS	CCSIT	Imam Abdulrahman Bin Faisal University, KSA	Sept 2014 – Till date
Lecturer	CSSE	CSSE	University of Hail, KSA	Sept 2010 – May 2014
Lecturer	CSSE	Department of Computer Science	University of Karachi, Pakistan	January 2008 - May 2010
Software Analyst		Software Quality Assurance Department	Financial Technologies and Consulting Pvt Ltd, Pakistan	Sept 2006 - July 2007

Scientific Achievements

Published Refereed Scientific Researches

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1.	Ruba Al-Salah, Asiya Salam, Madhawi Alzamil, Reem Alaskr, Maisa Alyemni, Mada Alahmdi, Buthaina Alqahtani	Thakirni Application: An Assistive Application for Alzheimer Patients	International Journal of Online and Biomedical Engineering (iJOE) – eISSN: 2626-8493, 15 December 2020
2.	Tarfah Mohammed Alsultan; Asiya Abdus Salam; Khalid Adnan Alissa; Nazar Abbas Saqib	A Comparative Study of Biometric Authentication in Cloud Computing	International Symposium on Networks, Computers and Communications, 21 November 2019
3.	S. M. Khalid Jamal, A. A. Salam, A. R. Zaki, R. Hashmi	“Ensembled utilization of the Binary Coded Genetic (BCG) algorithm for the instinctive spontaneous allocation of weights for the intensification of the superior capitulating scripts in an optimized selection of portfolio."	IJCSNS International Journal of Computer Science and Network Security, VOL.19 No.11, November 2019
4.	S. M. Khalid Jamal1, A. A. Salam2, A. R. Zaki3, H. Abdullah4	Formulated Dynamic Unsupervised Machine Learning Algorithm Trained over Fused Solitary Value of Key Performance Ratios of Stock for Acquiring Optimized Portfolio	IJCSNS International Journal of Computer Science and Network Security, VOL.19 No.8, August 2019
5.	Asiya Abdus Salam, Madeeha Saqib, Saqib Saeed	Embedding Information Systems Environment Modules in Information System Curriculum	VFAST Transactions on Education and Social Sciences, Feb 2018.

6.	Asiya Abdus Salam, Mehwash Farooqui, Mohammad Aftab Alam Khan	Double Security of RFID Credit Cards	International Journal of Computer Sciences and Engineering, May 2017.
7.	Asiya Abdus Salam and Reem Al Zoubi	SLA application with Big Data on WSQ Taxonomy	International Journal of Computer Applications, Jan 2016.
8.	Asiya Abdus Salam and Ruba Al Salah	Vertically Scrambled Caesar Cipher Method.	International Journal of Computer Application, May 2015.
9.	Asiya Abdus Salam and Reem Al Zoubi	Travelling Salesman Problem using Dynamic Approach.	International Journal of Computer Application, May 2014.
10.	S. M. Khalid Jamal, A. Omer, Asiya Abdus Salam	Cloud Computing Services and Solution for RFID based supply chain management	Advances in Internet of Things, Nov 2013.
11.	Asiya Abdus Salam and Syed Muhammad Khalid Jamal	Taxonomy based Metadata Classifier	International Journal of Computer Application, July 2013.
12.	Asiya Abdus Salam and Syed Muhammad Khalid Jamal	Taxonomy based Data Marts	International Journal of Computer Application, Dec 2012.
13.	Asiya Abdus Salam and Syed Muhammad Khalid Jamal	Web Supported Query Taxonomy Classifier	International Journal of Computer Application, Aug 2012.

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1.	Nazar Abbas Saqib, Asiya Abdus Salam Atta-Ur-Rahman and Sujata Dash	Reviewing Risks and Vulnerabilities in Web 2.0 : A Roadmap to Web 3.0	Journal of Discrete Mathematical Sciences & Cryptography (JDMSC)	January 2021
2.	Asiya Abdus Salam, Ahmad Bani Younis, Nazar Abbas Saqib	Teaching and Learning during COVID - 19	To be publish in IET INSPEC & SCOPUS.	September 2020

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1.	Asiya Abdus Salam,	Teaching and Learning during COVID - 19	Participated in 3rd Smart Cities Symposium, 21-23 September 2020.
2.	T. M. Alsultan, A. A. Salam, K. A. Alissa and N. A. Saqib	A Comparative Study of Biometric Authentication in Cloud Computing,"	2019 International Symposium on Networks, Computers and Communications (ISNCC). Published on 21 November 2019
3.	Samiha, Asiya Abdus Salam and Mohammed Abdulrahman Alqahtani	N-shopping: Towards an autonomous online shopping system for NEOM megacity	15th Learning and Technology Conference (L&T), Jeddah. Feb 2018

Completed Research Projects

#	Research Title	Report Date
1	Currently Supervising Project on VirtuLabs	2020 - 2021
2	Supervise Community Service Project: “Thakerni Application for Alzheimer Patients”	2019-2020
3	Supervise Community Service Project: Lazzem	2018 - 2019
4	NAVIAU: Adaptable IAU Campus Navigation Application.	2017 - 2018

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1.	3ICT2020 INTERNATIONAL CONFERENCE ON INNOVATION AND INTELLIGENCE FOR INFORMATICS, COMPUTING, AND TECHNOLOGIES	Bahrain, held on December 20th-21st 2020	Attendee
2.	E-Education, E-business, E-management and E-learning held in, by Institute of Research Engineers and Scientists	Dubai, 26th -27th June 2018	Participant

Membership of Scientific and Professional Societies and Organizations

- Computer Science Teachers Association (CSTA)
- International Association of Engineers (IAENG)
- European Alliance for Innovation (EAI)
- Association for Computer Machinery (ACM)
- International Association of Computer Science and Information Technology (IACSIT)
- Web of Science
- Scopus
- Google Scholar

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1.	Business Strategy	MGMT 513	3 lectures weekly.
2.	Principles of Management	MGMT 410	3 lectures weekly.
3.	Electronic Business Strategy	CIS 513	3 lectures weekly.
4.	Software Quality Assurance	CIS 512	2 labs weekly.
5.	System Analysis and Design	CIS 417	1 lab weekly.
6.	Business 1	MGMT 290	3 lectures weekly.
7.	Database Management System	CIS 411	2 labs weekly
8.	Technical Reports	CIS 313	2 lectures weekly
9.	System Analysis and Design 2	CIS 421	2 lectures and 2 labs weekly
10.	Fundamental of Information System	CIS 211	3 lectures weekly
11.	Business 2	MGMT 415	3 lectures weekly

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

Business Strategy – MGMT 513: This course introduces processes involved in strategy formulation and execution for business organizations to be competitive in complex global environment. Current thinking in strategic management literature will be explored and related to current business practice to understand the implications of strategical decision making in the organizational context. The course will take a holistic organizational view and analyze how strategies can be synchronized across different functional areas to gain competitive edge. The course will be supported by additional case studies.

Electronic Business Strategy – CIS 513: The course examines linkages of organizational strategy and electronic methods of delivering products and exchanges in inter-organizational, national, and global environments. To explain these linkages, it uses case studies from several online industries. Topics include strategy, e-business and e-commerce, sustainable profitability in e-commerce, business sense of e-opportunity, formulating a dot-com strategy, e-business models, web, steps to e-business leadership, competitive advantages, implementation, running virtual organizations, online monetary transactions, internet hardware and software, wireless internet, internet security, internet marketing, affiliate programs, e-customer relationship management, legal and ethical issues, internet taxation, privacy on the internet, regulating the internet on an international level, creating an e-business with global capabilities, online communities, online charities and nonprofit organizations on the web, web accessibility. The course also introduces the concept of Business Process Reengineering (BPR) and tasks about how it can be implemented.

Software Quality Assurance – CIS 512: This course aims to introduce students to various factors and techniques for measuring and improving the quality of software. The course will focus on a business context and cover the testing of business requirements and role of management in fostering quality culture in a business enterprise. Software quality metrics/standards for quality assurance, management of business software and testing and designing of several testing artifacts will be the part of the course. Additionally, course will focus on the impact caused by software failure on individuals and business organizations as well as the need and impact of business process assurance. Business continuity solutions in the presence of software failures are discussed. In addition, students will be trained on related techniques and software tools in the lab.

System Analysis and Design – CIS 417: This course introduces the analysis and design of information systems within the context of an organization. The course approaches this by identifying the need for IT to enable organizational change and bring business value. Business process management and modeling techniques are used to analyze and model business requirements. This includes data, user and security requirements. The course lays down different approaches to systems analysis and design including SDLC, agile and UML. Finally, the course demonstrates the different options organizations have to develop information systems including: package systems, outsourced and in-house development. The lab component will exhibit these concepts using system analysis and design software tools. Students are expected to demonstrate their understanding of these concepts in a form of a project. Students learn how to write Systems Requirements Specifications to communicate systems requirements at different organizational levels in a business organization.

Business 1 – MGMT 290: This course introduces the essentials of management as they apply within the contemporary work environment. It combines a focused overview of recent scholarship with a practical approach to key functional areas (planning, organizing, leading, and controlling). Topics include dynamic new workplace, ethical behavior and social responsibility, environment, global dimension of management, entrepreneurship and small business, foundation of planning, mission, goal setting, strategy formulation and

implementation, planning tools and techniques, managerial decision making, organizational design and processes, managing change and innovation, individual and group behavior, managing personal stress, time management, and creativity, corporate culture, work teams, motivation and leadership, managing conflict, foundation of control, business continuity management, business continuity and risk assessment, business continuity planning framework, Testing and re-assessing business plans.

Database Management System – CIS 411: This course emphasizes on the principal concepts of Database Management Systems (DBMS). The DBMS concepts include: Storing data: disks and files which include the memory hierarchy, RAID, disk space management, buffer management, file and indexes, page formats and record formats; file organization and indexes which introduce cost modeling, comparison of three file organizations, overview of indexes and properties of indexes. Three-structured indexing, hash based indexing and database design security; transaction management which introduce to transactions and schedules, concurrent execution of transaction, lock-based concurrency control and crash recovery. Crash recovery includes introduction to ARIES, recovery from a system crash and media recovery. The course also covers advanced topics such as: Parallel and distributed database including architectures for parallel databases, parallel query evaluation and optimization, distributed DBMS architectures, storing data in distributed DBMS, distributed catalog management and query processing, updating distributed data, distributed transactions and concurrency and recovery. As part of this course, students will be trained on some latest database management software.

Technical Reports – CIS 313: This course is designed to help students develop an effective method of planning and completing writing tasks so that student can meet professional writing demands. Since succeeding in the professional world requires not only technical knowledge but also effective writing skills. This course focuses on the writing skills necessary for advanced academic and professional writing, tailored specifically to student academic career work as professional in a technical field. Successful technical communicators know how to organize and present complex information so that the ideas are understandable to many readers, viewers, and listeners. In this course, students will complete several small technical and recommendation reports on a topic related to IT related majors. Indeed, this course requires intensive writing, reading, and peer commentary.

System Analysis and Design 2 – CIS 421: This course includes: designing simple requirements model, measurability of non-functional requirements, the process of selecting best alternative design strategies, best practices of designing human interfaces, conventional design approaches (Data Flow Diagrams/extended ER Diagrams/Architecture/Subsystems/Flowcharts/Pseudo codes), object oriented analysis and design, designing structure diagrams (Class/Component/Object) and behavior diagrams (Activity/Sequence/State Machine). The course also includes concepts of design patterns, deliverables and outcomes of the process of coding and testing, applying installation strategies, issues of providing support for end users, and factors that influence the cost of maintaining an information system. Students will be trained on some latest software tools.

Fundamental of Information System – CIS 211: This course aims to introduce students to the basic concepts and topics related to Information Systems (IS). It covers topics such as: systems concepts; system components and relationships; cost/value and quality of information; competitive advantages of information; specification, design, and reengineering of IS; application versus system software; package software solutions; procedural versus non-procedural programming languages; object oriented design; database features, functions, and architecture; networks and telecommunication systems and applications; characteristics of IS professionals and IS career path; information security, crime, and ethics. Practical exercises may include developing macros, designing and implementing user interface and reports; developing a solution using database software.

Business 2 – MGMT 415: Contents cover managing human resources and labor relations, staffing, developing workforce, compensation and benefits, legal issues in managing people, dealing with labors, law governing labor-management relations, principles of marketing, target marketing and segmentation, consumer behavior, organization marketing, international marketing mix, developing new products and managing product life cycle, identifying products, pricing, distribution and promotion, principle of operation and production, goods and services operation, creating value through production, operation planning and scheduling, operation control, quality improvement, information system and electronic commerce, databases and application programs, information and communication technology, principle of accounting, tools of accounting trade, financial statements, financial issues, money and banking, international banking and finance, securities and investment, security markets, stocks and bonds, buying and selling security, financial and risk management, and, legal context of business.

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

1	Handle Master's level lab for the course Software Engineering (MCS students) at UBIT department, University of Karachi, Pakistan

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	To
1	Principles of Management – MGMT 320	Yes		L6		Jan 2021	May 2021

2	Business Strategy – MGMT 513	Yes		L7		Sept 2020	Jan 2021
3	Fundamentals of Business – MGMT 410	Yes		L5		Sept 2019	Jan 2020
4	Electronic Business Strategy – CIS 513	Yes		L7		Sept 2018 Sept 2016	Jan 2019 Jan 2017
5	Business 1- MGMT 290	Yes		L5		Jan 2018 Jan 2017 Jan 2016	May 2018 May 2017 May 2016
	Technical Reports – CIS 313	Yes		L3		Sept 2017	Jan 2018
	System Analysis and Design 2 – CIS 421	Yes		L6		Jan 2015	May 2015

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1.	**Student Academic Advising Unit's Workshop**	**How to improve your grades**	**CCSIT - IAU**	**26th November 2020**
2.	**Student Academic Advising Unit's Workshop**	**Time Management**	**CCSIT - IAU**	**Feb 2019**

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	L7	20-21	2014	2017
2	L1	Year 1 students	2017	2018
3	L3	Year 2 students	2018	2019
4	L5	Year 3 students	2019	2020
5	L7	31	2020	2021

Committee Membership

#	From	To	Position	Organization
1	**2020**	**Onwards**	**Member of Program Quality Unit**	**Imam Abdulrahman Bin Faisal University**
2	**2020**	**Onwards**	**Member of Scientific Research Unit**	**Imam Abdulrahman Bin Faisal University**
3	**2019**	**2020**	**Member of Faculty Search Unit**	**Imam Abdulrahman Bin Faisal University**
4	**2017**	**Onwards**	**Member of Student Advisory Unit**	**Imam Abdulrahman Bin Faisal University**
5	**2017**	**2018**	**Coordinator of College Curriculum Committee**	**Imam Abdulrahman Bin Faisal University**
6	**2016**	**2019**	**Member of Knowledge Group – Business and IS**	**Imam Abdulrahman Bin Faisal University**
7	**2015**	**2020**	**Member of COOP training sub unit**	**Imam Abdulrahman Bin Faisal University**
8	**2013**	**2014**	**5th Academic Conference Committee Member**	**University of Hail**
9	**2013**	**2014**	**Member of Quality Assurance Unit**	**University of Hail**
10	**2013**	**2014**	**Member of Scientific and Research Committee**	**University of Hail**
11	**2013**	**2014**	**Member of Academic Advisory Unit**	**University of Hail**
12	**2012**	**2014**	**Member of Graduation Committee for Senior Project**	**University of Hail**
13	**2010**	**2013**	**Member of Exam Committee**	**University of Hail**
14	**2010**	**2013**	**Member of COOP Committee**	**University of Hail**

Volunteer Work

#	From	To	Type of Volunteer	Organization
1	September 2020	November 2020	Organized a Talk session with Post Graduate students on Research Publication	Scientific Research Unit - Imam Abdulrahman Bin Faisal University
2	September 2020	November 2020	Organized an interactive session with Undergraduate Project Students on Research Publication	Scientific Research Unit - Imam Abdulrahman Bin Faisal University
3	9th Oct, 2016	11th Oct, 2016	Organized Information and Research Literacy Training Program, by Deanship of Library Affairs Information, Learning and Research Commons for Level 3 students of Computer Science and Information System Department	Imam Abdulrahman Bin Faisal University
4	4th Nov, 2015	4th Nov, 2015	Organized and coordinate a workshop on “Accessing and Evaluating Information”, organized by Deanship of Library Affairs under Information Literacy Program for Level 1 students of Computer Information Systems Department	Imam Abdulrahman Bin Faisal University

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

1	**Flexible and adaptable to changing circumstances**
2	**Able to positively interact with all students**
3	**Capable of designing lesson plans to meet student needs and cover the standards**
4	**Design or select and administer effective assessments to monitor students' performance.**
5	**Encourages effective communication by listening, summarizing, and by asking about both content and involvement**
6	**Recognizes and identifies individual student and group behavior and makes the students aware of this.**
7	**Develops both individual and group activities.**
8	**Diploma in Project Management**
9	**Knowledge on Multimedia Web Application**
10	**SPSS, MS Project, MS Visio, SQL**
11	**Conduct Labs on software like Visual Basic and J Creator**
12	**Internet Savvy**
13	**Proficient in Computer use**

Last Update

15 /02 /2021