

Salma Idris

Address: Al Waha, Riyadh

Mobile: 0568636004

e-mail: idris.salma11@gmail.com

Professional Summary:

- ✓ 1 year teaching Bachelor of Applied Computing (Computer Networks Track) in Department of Applied Science, King Saud University.
- ✓ 11 years' experience of teaching in Prince Sultan University, Computer and Information Science Department.
- ✓ Exceptional instructor teaching basic computer courses with expertise in field of Networks, Security, Digital Media and Software Engineering.
- ✓ Experienced IT professional with 5 years industrial experience of network, security and system administration.

Education

- ✓ Fellowship of Teaching & Learning
Higher Education academy (HEA), UK
Successfully completed the training for fellowship program and submitted the application for final fellowship award in May, 2016. Awaiting for results.
- ✓ Masters in Computing Science
Imperial College London (University of London), 2004
- ✓ Bachelors in Electrical Engineering
Major in Communications & Electronics
University of Engineering & Technology Lahore, Pakistan, 1996

Work History

- 14 years of teaching experience

Organization	Start Date	Finish Date	Position
King Saud University	Sep-2016	Sep-2017	Part Time Lecturer
I have taught students of Bachelor of Applied Computing (Computer Networks Track) and Diploma in Communication and networking in King Saud University under the Department of Applied Sciences. Also guided students on IoT (Internet of Things) projects such as using Weightless P protocols. Practical network and security courses I have taught there:			

- ✓ Network Simulation
- ✓ Network Troubleshooting
- ✓ Information Security
- ✓ Wide Area Networking & Internet
- ✓ Local Area Networks Technologies

Prince Sultan University

18/2/2006

5-6-2016

Lecturer

I had been teaching in Prince Sultan University for past 10 years in College of Computer and Information Science for undergraduate students. I have taught courses from introductory to advance levels. My prime focus is in **Networking, Security, Digital Media and Software Engineering** courses.

List of courses taught in PSU:

- ✓ Advance Computer Data Security & privacy
- ✓ Advance network Administration & Operation
- ✓ Data Communication & Networking
- ✓ Operating Systems
- ✓ Computer Network Security
- ✓ Advance Computer Architecture
- ✓ Introduction to Computer Organization and Assembly programming
- ✓ Introduction to Visual Design
- ✓ 3D Modeling & Design
- ✓ Introduction to Software Engineering
- ✓ Data structures & Algorithms
- ✓ Introduction to Programming
- ✓ Advance System Design & Analysis
- ✓ Introduction to Digital Design and Computer organization
- ✓ Computer (PYP) Orientation 1
- ✓ Computer (PYP) Orientation 2

My involvement in committees in PSU:

- ✓ Ex-coordinator and member for Curriculum Development committee.
- ✓ Member of CS & IS programs NCAAA accreditation committees.
- ✓ Coordinator for CIS College Newsletter.
- ✓ Coordinator for IEEE Student branch.
- ✓ Member of Outreach committee.

- ✓ Member of Digital Media Adhoc committee.
- ✓ Under Quality Assurance Committee, coordinator for Foundation Theory CS courses.
- ✓ Student advisor for CIS students.
- ✓ Member of Missionees Affairs Committee.
- ✓ Participation in Research activities.

My involvement in Professional development in PSU:

I had conducted several workshops for professional development at PSU with respect to teaching & learning and research. I have participated in numerous workshops and seminars organized under Teaching & Learning center (TLC), E-learning unit and Research committee.

- ✓ Workshop conducted under TLC titled: Most effective Tool for Teachers: Reflection in Feb, 2016
- ✓ Workshop conducted under E-learning unit titled: ASANA Project Management Tool in April, 2016.
- ✓ Workshop conducted under TLC for four hours titled: Understanding and Designing Networks using Simulation software like Cisco packet tracer".

COMSATS Institute of Information Technology, Pakistan	1/11/2004	1/9/2005	Assistant Professor
COMSATS Institute of Information Technology, Pakistan	1/2/1999	30/10/2000	Lecturer/Assist. System Administrator

➤ **5 years' experience of working in IT and Telecommunication field**

Organization	Start Date	Finish Date	Position
Pak Telecom Mobile Limited (Ufone GSM), Islamabad, Pakistan	10/11/2000	1/8/2003	Section Head Operations
COMSATS Institute of Information Technology, Pakistan	1/2/1999	30/10/2000	Assist. System Administrator
Medical International, Pakistan	5/5/1997	15/12/1998	Assistant System Manager

Accomplishments:

- ✓ My teaching evaluation in 10 years in PSU is outstanding (A+).

- ✓ Advance level system administration of operating systems like Solaris, Linux, FreeBSD, Windows XP for 5 years
- ✓ Deployment of first LINUX/UNIX operating system Lab in PSU.
- ✓ Certified Solaris Systems Administrator.
- ✓ Certificate of Appreciation for outstanding participation in PSU and Computer Science program accreditation process for **NCAAA accreditation**. Currently part of the team working for **ABET accreditation**.
- ✓ Actively involve as ex-coordinator and currently member of curriculum development committee for CS programs. **Under that, designed various courses like advance network operations, advance security and various Digital media courses.**
- ✓ Designed and presented various professional development workshops under PSU Teaching and Learning center.

Skills

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| <ul style="list-style-type: none"> ✓ Microsoft office expert ✓ 3D Modeling software Blender & Maya Expert ✓ Adobe Photoshop expert ✓ Adobe Illustrator expert ✓ Adobe Flash expert ✓ Excellent presentation and communication skills | <ul style="list-style-type: none"> ✓ Certified Solaris system administrator ✓ Training and working experience in CISCO Routers/Switches. ✓ Advance Network operation and system administration ✓ Certified Training in Telecommunication based applications. ✓ CCNA Trainer ✓ Microsoft Windows MCSE trainer |
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Affiliations

- ✓ Member of IEEE
- ✓ Member of ACM.

Research & Publications

1. *"TOWARDS A METHODOLOGY FOR QUALITY ASSURANCE IN TEACHING AND LEARNING"*. INTED 2013 7th International Technology, Education and Development Conference (**Salma Idris, Roohi Jan & Ishrat Khan**)
2. **Co-supervisor for two Master Thesis under Master in Software Engineering program.**
Thesis titles are:
 - i. Requirement Engineering for Intelligent Traffic Lights Control System for Emergency Vehicles.
 - ii. A Support tool for Security Testing of Web Applications.