

CURRICULUM VITAE

SHAMIM AKHTER

✉ Permanent Address: 16/A, Salman Farsi Society Malir Halt Karachi
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✉ Current Address: Apartment Number 03, Building Number 17,
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Al Majmaah Riyadh Province,
Kingdom of Saudi Arabia (KSA).



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shamimakhtar1@gmail.com

OBJECTIVE

I want to secure a teaching position in a professionally run organization. I will apply my knowledge, experience and concepts of over 20 years in the field of computer, mathematic & statistical, electronics and electrical engineering courses. I will gain more expertise in my area of knowledge.

PERSONAL

Name	: Shamim Akhtar
Father's Name	: Akhtar Hussain
Passport Number	: JA1347032
Pakistan Engineering Council (PEC)	: Registration Number. ELECT / 22275
The Institute of Electrical and Electronics Engineers (IEEE)	: Registration Number. 93697909
Date of Birth	: 01-04-1974
N.I.C # (Pakistan)	: 42201-0586703-3
Iqama # (Resident Id Kingdom of Saudi Arabia)	: 2368402513
Marital status	: Married
Sex	: Male

EDUCATIONAL QUALIFICATION

ACADEMIC

- 📖 Completed my Ph.D. from University of Malaysia Pahang (UMP) in Fall 2023.
- 📖 Completed my Master of Science (M.S.) Telecommunication in 2012 from IQRA University Karachi.

- 📖 Completed my Master of Engineering (M.E.) Electrical in 2008 from N.E.D University of Engineering & Technology Karachi.
- 📖 Completed my Bachelor of Engineering (B.E.) Electrical in 1996 from N.E.D University of Engineering & Technology Karachi
- 📖 Completed six months Diploma of Networking from S.D.C (Skill Development Council), consisting of the following courses:
 - 📁 Course of Hardware
 - 📁 Data Communications
 - 📁 Novell NetWare V3.12
 - 📁 Unix
 - 📁 Windows Nt. 4.0 Server.

RESEARCH PUBLICATIONS

- 📖 On the Design of Electromagnetically Coupled Microstrip Antenna (2014) ASIAN JOURNAL OF ENGINEERING, SCIENCES & TECHNOLOGY, VOL. 4, ISSUE 1
- 📖 Smart Grid System (2016) SAI Computing Conference 2016 July 13-15, 2016 | London, UK
- 📖 A Novel Two-Dimensional Adaptive Filtering Algorithm for Image De-Noising via Fractional Gradient (2017) International Journal of Software Engineering and Its Applications, Vol. 11, No. 3 (2017), pp. 21-30
- 📖 Real Time Gait Feature Based Human Identification & Classification Using Artificial Neural Network and Project Management Approach of Its Implementation (2017) International Journal of Engineering & Technology, 5 (x) (2017) xxx-xxx
- 📖 Smart Monitoring and Controlling of Frequency Deviation by Using MATLAB GUI and ARDUINO DAQ Card (2018) Indonesian Journal of Electrical Engineering and Computer Science Vol.11, No.1, July 2018, pp. 224~232 ISSN: 2502-4752, DOI: 10.11591/ijeecs. v11.i1. pp224-232
- 📖 Gait Feature Based on Human Identification & Classification by Using Artificial Neural Network and Project Management Approaches for Its Implementation, W Tariq, ML Othman, S Akhtar, F Tariq, International Journal of Engineering & Technology 8 (1.7), 133-137 (2019)
- 📖 A Critical Study on the Internet of Medical Things for Secure WBAN, Book Chapter (2020), <https://www.igi-global.com/submission/confirm-personal-information/?projectid=ff1323a2-ca54-4e4c-917f-156b83e20fc8&ct=3>
- 📖 A Novel Deep Learning Architecture for Data-Driven Energy Efficiency Management (D2EEM) - Systematic Survey, Shamim Akhtar; Muhamad Zahim bin Sujod; Syed Sajjad Hussain Rizvi. (2021)
- 📖 A Hybrid Soft Computing Framework for Electrical Energy Optimization. Shamim Akhtar; Muhamad Zahim Bin Sujod; Syed Sajjad Hussain Rizvi. (2021)

- 📖 A Comprehensive Comparative Evaluation of Machine Learning Algorithms On Facebook Comment Dataset, 1Iffraah Rehman, 2Muhammad Umair, 3Shamim Akhtar, 4Waqar Khan, 5Haider Abbas, ISSN (P): 2412-0448, ISSN (E): 1998-4154 19 (2 July-December 2021), 11
- 📖 Towards Secure Implementations of SDN Based Firewall, R Iqbal, R Hussain, S Arif, AA Siddiqui, S Akhtar, Journal of Independent Studies and Research Computing 20 (2), 40-47. (2022).
- 📖 An Intelligent Data-Driven Approach for Electrical Energy Load Management Using Machine Learning Algorithms, S Akhtar, MZB Sujod, SSH Rizvi, Energies 15 (15), 5742. (2022).

MY RESEARCH PUBLICATIONS LINKS

📖 **GOOGLE SCHOLAR**

<https://scholar.google.com/citations?user=YnkNF10AAAAJ&hl=en>

📖 **ORCID Id: 0000-0002-2750-751X**

📖 **RESEARCHGATE**

https://www.researchgate.net/profile/Shamim_Akhtar22/stats/report/weekly/2020-05-03

FIELD EXPERIENCES

Sept 1997-Aug 1998

worked in **Data Communications & Controls (Pvt.) Ltd.**

I have worked there as an Electronic System Engineer. The major responsibilities were Hardware and Software installation of **Data Switch Control System, PCB Designing of MUX & WAN System** and worked as system support Engineer on other main clients of our company.

Sept 1998-Jan 1999

worked in **AWACOM Systems International**

I worked there as a marketing executive. I have designed some static web sites. In addition, I was involved in analysis of sales reports, market research and segmentation. Preparation of operating plans, promotional as well as PR programs. To develop technical and sales skills of the team for the betterment of company.

Feb 1999-July 1999

worked in **SofLite systems international.**

I have worked as an. I.T consultant. The major responsibilities are web site designing & hosting. I am also involved in Oracle/Developer 2000 programming (as a trainee programmer).

TEACHING EXPERIENCES

- ✍ I am currently teaching in Majmaah University KSA since September 2014 to till date as a Lecturer. My courses are:
 - ✍ Biophysics
 - ✍ Electromechanical & Pneumatic Equipment
 - ✍ Advanced Medical Mechanical Equipments
 - ✍ Basic Digital Electronics
 - ✍ Introduction to Telemedicine
 - ✍ Control of Biomedical Systems
 - ✍ Electrical Circuits.
 - ✍ Signal Processing
 - ✍ Pattern Recognition
- ✍ I was permanent teacher in IQRA University from 5th September 2005 to 30th May 2014, as an Assistant Professor. I taught the following subjects,
 - ✍ Applied Physics
 - ✍ Electrical Measurement and Instrumentation
 - ✍ Basic Electronics
 - ✍ Electromagnetic Field theory
 - ✍ Basic Electrical Engineering
 - ✍ Computer Programming
 - ✍ Software Engineering
 - ✍ Probability and Statistics
 - ✍ Object Oriented Programming
 - ✍ Electronics II
 - ✍ Information Theory and Coding
- ✍ Taught in NED University of Engineering & Technology Karachi, as a visiting faculty member in the Electrical, Electronic, and Telecommunication Departments. The courses are
 - ✍ Electromagnetic Field.
 - ✍ Programming with C Language.
- ✍ Taught in Institute of Business Management (IoBM) as vising faculty for MS program
 - ✍ Data Mining
 - ✍ Advance Numerical Method
 - ✍ Human Computer Interface
- ✍ Taught in PAF KIET as a visiting faculty the courses are
 - ✍ Opto-Electronics
 - ✍ Instrumentation and control
 - ✍ Electrical Machines
- ✍ Taught in Newport Institute of communications and Economics Karachi
 - ✍ Software Engineering
 - ✍ Data Structure
 - ✍ Object Oriented Programming

✍ Taught in Preston University (Engineering Campus Malir) as a visiting faculty member. The courses are

- ✍ Digital Circuit Logic (Theory & Practical) for B-Tech program.
- ✍ Basic Electronics (Theory & Practical) for B.E program.
- ✍ Electronics Circuits (Theory & Practical) for B.E program.
- ✍ Applied Physics for B.S program.

✍ Taught in PIMSAT as a visiting faculty member.

- ✍ Applied Physics for B.S program.
- ✍ Fundamentals of Communications for B-Tech program.
- ✍ Java Core Programming.

✍ Taught in Dada Bhoje Institute of Higher Education, as a visiting faculty member for B-Tech program.

- ✍ Basic Electronics.
- ✍ Digital Electronics.
- ✍ Linear Circuits.

✍ Taught in New Port University (Tariq road branch) as a visiting faculty member.

- ✍ Applied Physics
- ✍ Computer Architecture for BCS program.
- ✍ Basic Electronics for BCS

MANGEMENT EXPERTISE

I have the capabilities to design schedules, obtain targets, evaluations of teachers, an in-charge of arranging guest speaker sessions. Implement and follow quality assurance policies. Prepare daily, weekly and monthly status & progress reports.

SKILLS

I have strong managerial and leadership skills with a special interest in management. I always solve problems within the resources.

CERTIFICATES

Faculty Development Program at Majmaah University:

- Mandatory Requirements for NCAAA Program Accreditation
- Importance of Researcher's ID
- NCAAA SSRP – Review of Standards
- Multiple Choice Questions in Basic & Clinical Sciences
- World Quality Month Awareness Campaign

Certificates of Appreciation:

- Actively participated in the accreditation from “Accreditation Board for Engineering and Technology (ABET)” for the Biomedical Engineering Program, of the College of Applied Medical Sciences, Majmaah University (MU).
- Actively participated in the event titled “Healthy Food and Balanced Diet” Organized by the Community Services of College of Applied Medical Sciences Majmaah University Majmaah Mall, Al Majmaah 21 Safar 1440H | 01 November 2018G
- Actively participated in the event titled “Your Health is Your Future” Organized by the Community Services of College of Applied Medical Sciences Majmaah University Majmaah Mall, Al Majmaah 21 Safar 1440H | 01 November 2018G
- As a speaker in the Faculty Development Program on the topic “NCAAA SSRP – Review of Standards” on 13th October 2019 organized by the Training Unit, Vice Deanship for Quality and Development, College of Applied Medical Sciences, Majmaah University

A Few Words about My Ambition

I want to be at a place where I have an opportunity to exercise what I have learned and explore ideas for innovation.

Reference:

- Dr. Nadeem Qazi, Associate Professor, Computer Science, AI and Digital Technologies at the University of East London.
- Ir. Dr. Muhamad Zahim Bin Sujod, Associate Professor, Deputy Dean of Research and Postgraduate Studies at Universiti Malaysia Pahang.
- Dr. Saeed Banawas as Director of the Innovation Center at Majmaah University
- Dr. Nasser Ali Al Jarallah, Almaarefa University Vice President, Member of Almaarefa University Council.
- Dr. Abid Karim, Faculty of Electronic Engineering program at Usman Institute of Technology Karachi Pakistan.
- Dr. Syed Sajjad Hussain Rizvi, Associate Professor/Ph.D. Program Manager & Editor JISR, Head of the Department of Computer Science at Shaheed Zulfiqar Ali Bhutto Institute of Science and Technology (SZABIST), Karachi Pakistan.
- Dr. Mazen Mishabab Al-Qahtani, Dean of the College of Applied Sciences at ALMAAREFA University Riyadh Province Kingdom of Saudi Arabia.