

Asma Khan

Department of Software Engineering
NED University of Engineering and Technology.
Karachi
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OBJECTIVE

In capacity as a Teacher, my objective is to give best to my students and make their theoretical concepts clear and have good understandings of practical knowledge.

STRENGTHS

Expertise in Programming Languages, Data Bases & Client Server Applications, Working against stringent deadlines, always updated with Technological Advancement.

ACADEMICS

POST GRADUATE

Department of Information Technology, M.U.E.T Jamshoro

Department : Information Technology

Degree : M.E (IT)

Status : 3.87 CGPA

Thesis Topic: Mathematical model and software was designed for the time synchronization of Mobile sensor node for mobile wireless sensor networks.

GRADUATE

Department of computer Systems Engineering, M.U.E.T Jamshoro.

Department : Computer systems engineering

Degree : B.E (Computer Systems)

Percentage : 91.55% (3rd Position)

HIGHER SCONDARY, 1991

Board of Intermediate and Secondary Education, Hyderabad

Institution : Govt. Nazareth (girls) College, Hyderabad

Major : Pre-Engineering

Percentage : 82.55%

SECONDARY, 1989

Board of Intermediate and Secondary Education, Hyderabad

Institution : Govt. Girls Pilot School, Hyderabad

Major : Science

WORK EXPERIENCE (19+ years)

- **Assistant Professor | Department of Computer Science, Bahria University, Karachi Campus (Feb14,2014 to March 2018)** (13+ years teaching experience as an Assistant Professor)
- **Assistant Professor | Department of Computer Science, Isra University, Hyderabad | Oct 2005 to March 2018.**
- **Lecturer | Department of Computer Science, Isra University, Hyderabad | Oct 2000-Oct 2005** (5 years teaching experience as a Lecturer)
- **Demonstrator |Department of Computer Science, Isra University, Hyderabad | Oct 1999-Oct 2000** (1 year teaching experience as a Demonstrator)
- **Trainee Demonstrator | Department of Computer Science, Isra University, Hyderabad | Oct 1998-Oct 1999.** (1 year teaching experience as a Trainee Demonstrator)

SOFTWARES DEVELOPED

- **Smart Tutor an Intelligent Tutoring System for C Sharp Programming**
- **Image processing based desktop Application.**
- **Computerization of ANSARI Petroleum Pump in Visual Basic.net**
- **E.N.T Expert System in clips**
- **Software of Image Processing Technique in Visual Basic 6**
- **Computerization of Philips Industries Pvt. Limited in Microsoft Access and Visual Basic.net**
- **And many other internal and external projects**
- **Have been supervised many outstanding projects and websites**

SKILLS

Operating Systems: MS-Windows 10 and XP (Installation and Configuration)

Programming Languages: C#, Visual Basic, VB.Net, C/ C++, Pascal, SQL and Clips

Database: Developer 2000, Access, SQL SERVER 2000

Internet Tools: HTML, DHTML, ASP, ASP.NET, PHP and XML

Others: Microsoft Office, Corel Draw, Macromedia Flash, I Photo Plus, and Adobe Photoshop 7, Dream weaver , Word press.

RESEARCH PAPERS

- “Modeling and simulation of Mean Square Error for Packet Loss Criterion in Multiplexing Environment”, published in Mehran University of Engg. & Technology Research Journal, Volume 22, Number 2, April, 2003, pp 129-132.
- “Sensitivity of compressed speech signal energies in relation to human perception”, published in Sindh University Research Journal.(Sci.Ser), Vol: 34-B(02) September 2002 pp.117-119.

- “Analysis of MANNET Routing Protocols using scenario based Mobility Models”, has been published in **International Conference** at Pakistan Navy Engineering College.
- “A study of software protection techniques”, has been published in CISSE 2007(**International Conference**)
- “Analysis of MANET Routing Protocols under TCP VEGAS with Mobility Consideration” , has been published in IMTIC'08 11- 12 April 2008 (**International Conference**)
- “Performance comparison of Non Criterion based Schemes for low bit rate speech based multiplexer Architecture” ,has been presented in IEEE Sconest 2003 at Bahria University Karachi
- “Time Synchronization for mobile wireless sensor network” International Journal of Computer and Electrical Engineering, Vol. 6, No. 2, April 2014
- “Analysis of Proactive and Reactive MANnet routing protocols under selected TCP variants”. International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC) Vol.4, No.4, August 2013.
- “Information Leakage in Cloud “, has been presented in IEEE ICOSST 2014, 8th international Conference on open Source Systems and Technologies.
- “Designing of dual band patch antenna using U-slot technique for wireless communication” has been published in Bahria University Research Journal BUJICT.
- HEPO: The hepatitis ontology for abductive medical diagnostic systems
Asma Khan, A Sadia, S Ahmed, H Tabassum, MS Khan
Communication, Computing and Digital Systems (C-CODE), International ...
- Smart Tutor an Intelligent Tutoring System for C Sharp Programming
N Asma Khan,Junaid Quadri
International Journal of Computer Applications 180 (180(27):28-33), 6
- SUMRATE PERFORMANCE OF PRECODING TECHNIQUES IN MULTIUSER MIMO SYSTEMS
Asma Khan Aisha Danish,Farukh Shahid
ENGINEERING SCIENCE AND TECHNOLOGY INTERNATIONAL RESEARCH JOURNAL,
2 (1), 6

Subjects Taught:

- Visual Programming(C # and VB.NET)
- Web Engineering.
- Software Engineering.
- Introduction to Computers.
- Calculus and Analytical Geometry.
- Database Management System.
- Database Administration.(SQL Server 2000)

- Oracle 9i.
- Digital Logic and Design.
- Web site Development.(HTML, DHTML, Java Script ,Adobe Photoshop, Dreamweaver, Macromedia Flash)
- Internet Programming and Management.(ASP, ASP.net, XML)
- Linear Algebra and Differential Equations
- Object Oriented Programming.(C++)
- Office Applications.
- Discrete Mathematics
- Operating Systems
- Data Communications and Networks
- Computer Networks
- Content Management System(CMS)

CONFERENCES and WORKSHOP ATTENDED

- **5 days workshop on Active Citizen Program (ACP) conducted by British Council on 18th January 2016.**
- **2 Days workshop on Microsoft Azure and Microsoft SharePoint.**
- **Workshop on Developing Industry Driven Technologies.7th January 2015.**
- **ICOSST 2014 ,IEEE Conference at UET . Lahore**
- **Sconest 2003 IEEE Conference**
- **Expo Asia Conference 2001-2002 Hyderabad**
- **Expo Asia Conference 2000-2001 Hyderabad**
- **One day Seminar on “ HP & Microsoft Product Road Map For Educational Institutions of Pakistan” 1st April 2008**
- **IEEE mentoring session & innovative technology. 15th Feb 2013**
- **HEC seminar on Cloud Computing on Microsoft Azure 2016 at Bahria University Karachi.**

PAPERS PRESENTED

- **Presented paper in International Conference at UET Lahore. ICOSST 2014**
- **Presented paper on line through video conferencing in CISSE 2007(International Conference)**
- **Presented paper in Sconest 2003 IEEE Conference held at Bahria Karachi)**
- **Presented paper in Expo Asia Conference 2001-2002 Hyderabad**
- **Presented paper in NACTICT 2016 at Bahria University Karachi**

MEMBERSHIP

Pakistan Engineering Council (PEC)

AWARDS AND PARTICIPATION

- Received Award of Appreciation from Director, Bahria University Karachi Campus, 2017.
- Received Award of Appreciation from Rector Bahria University Karachi Campus, 2016.
- Best Girl Award of Nazareth College on the basis for the best performance in (Drama, Debate, Social Work & Studies)
- Best Urdu Debater of Nazareth College
- Best Drama Artist of Nazareth College
- Best Performance Award in Govt. Girls Pilot School

- Special Prize in the speech competition held in Mehran Arts Council in connection with the birthday celebration of Quaid-e-Azam
- Second Prize in the National Song competition held in Mehran Arts Council
- Trophy in the Drama held in Mehran University of Engineering and Technology.
- Letter of Appreciation, by the vice Chancellor, Isra University, Hyderabad
- Award for the Contribution to IT area ,EXPO, Asia 2001, seminars 6th-8th September 2001,Hyderabad
- Have been doing comparing at Isra University Convocation since last three years.

Guided Thesis:

1. Mobility of Manner Routing Protocols Under TCP Vegas with Mobility Consideration.

Student Name: Razia Nisar(Msc)

Dissertation Date: August 2007

2. Analysis of Proactive and Reactive routing protocols under selected TCP variants

Student Name: Iffat Arshad Syed(Msc)

Dessertation Date: October 2007.

3. Evaluating On-line Analytical Processing in decision support systems using Multidimensional Environment.

Student Name: Iftikhar Ahmed Ansari

Dessertation Date: October 2007

4. Analysis of MANET Routing Protocols based on the comparasion of MANET routing protocols (AODV, DSR, TORA and DSDV) using scenario based mobility models.

Student Name: Sehrish Abrejo

Dessertation Date: October 2007

External Examiner /Moderator for:

1. IBA (Sukkar)

Examination: Final, Fall 2007.

Class: BS-I (CS)/BS-I (TS)

Subject: Basic Electronics

2. Mehran University of engineering and Technology

Subject: Introduction to Programming languages

3. Mehran University of engineering and Technology

LANGUAGE PROFECIENCY

IELTS (International English language Testing System)

REFERENCES:

Dr. Hameedullah Kazi (hkazi@yahoo.com)

Pro Vice Chancellor and Professor, Faculty of Engineering and Computer Sciences

Isra University, Hyderabad

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Dr. Aftab Memon (memon_aftab@yahoo.com)

Profressor ,Mehran University of Engineering and Technology

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Dr. Asadullah Shah (asadullah@kict.iium.edu.my)

Professor, Kulliyyah of Information & Communication Technology

International Islamic University Malaysia

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