Prof. Tariq Rahim Soomro, PhD

A-324, PIA Housing Society, Gulistan-e-Johar, Block 9, Karachi, Sindh, **Pakistan**, phone: +92-300-9288029 & +92-332-6000026

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Updated: May 2025

Work Experience

Since 15-08-2017 Professor of CS, Rector (Since 27/07/2024), IoBM, Karachi, Pakistan

Responsibilities:
- o Chairman Academic Council, IoBM (Since 1/3/2021)
- o Chairman Board of Advanced Study and Research (BASR), IoBM (Since 1/3/2021)
- o Chairman Purchase Committee, IoBM (Since 1/3/2021)
- o Member of Board of Governors, IoBM (Since 1/3/2021)
- o Acting Rector, (1/3/2021 to 27/7/2024)
- o Acting Director Office of Graduate Study (2/12/2020 to 28/2/2021)
- o Dean College of Computer Science & Information Systems (27/5/2019 to 23/1/2023)
- o Member Executive Council IoBM (Since 27/5/2019)
- o Member Finance & Planning Committee IoBM (Since 27/5/2019)
- o HoD of CS & MIS Department (04-09-2018 to 27-05-2019)
- o Teaching Undergraduate & Graduate Level Courses
- o Member/Chair College Curriculum Committee (Since Fall 2017)
- o Focal Person Turnitin IoBM (17/7/2018 – 5/7/2019)
- o Editor-in-Chief PJETS (27/5/2019 – 28/2/2021)
- o Member BASR IoBM (since January 2018)
- o Member Academic Council, IoBM (since 4/9/2018)
- o Member Management Committee, IoBM (since 4/9/2018)
- o Member Online Academic Council (Since 20/3/2020)

From 10-09-2014 to 30-06-2017, Professor of CS & Program Manager, Department of Computer Science, SZABIST, Dubai Campus, Dubai, UAE.

Responsibilities:
- o Teaching Undergraduate & Graduate Level Courses
- o Supervising undergraduate & Graduate Research
- o Departmental Administrative work
- o Looking after KHDA Dubai accreditation related matters
- o Courses Taught: DBS, RIA, MIS, Programming, DS, OS, SE-I, SE-II, GIS, ASE, SPM, SSQ, RM.

From 30-01-2014 to 29-08-2014, Professor of CS, Dean Faculty of IT, Department of Computer Science, Sindh Madressatul Islam University (SMIU), Karachi, Sindh, Pakistan.

Responsibilities:
- o Teaching undergraduate & Graduate Courses
- o Head of Academic Affairs (Since 13-02-2014)
- o Dean Faculty of IT (Since 18-04-2014)
- o Officiating Dean Faculty of IT (13-02-2014 to 17-04-2014)
- o Member Academic Council (Since 28-05-2014)

Profile

Seeking the academic/administrative position, in the light of my knowledge and professional experience in quality teaching, reputed research and senior level administration.

More than **30 years** of experience as Professor, Associate Professor and Assistant Professor of Computer Science / IT and as Computer Programmer.

Google Scholar: 0zP5EYoAAAAJ&hl
LinkedIn: trsoomro
ResearchGate: Tariq_Soomro
ResearcherID: E-7462-2016
ORCID : 0000-0002-7119-0644
Scopus ID: 6507687835
AD Scientific Index ID: 443185

Education

Doctor of Philosophy (Computer Applications), 1999, Zhejiang University, Hangzhou P.R. China, **Through English Medium – Exemplary Graduate (Recipient of Highest award of the University 1999)**
According to QS World University Rankings 2025, Zhejiang University Overall ranked as #47, QS Subject Ranking (Engineering & Technology) ranked as #18.

M.Sc (Computer Science), 1994 (academic year 1992), University of Sindh, Jamshoro, Pakistan, **Through English Medium - First Class, 2nd Position**

B.Sc (Hons) (Computer Science), 1993 (academic year 1990), University of Sindh, Jamshoro, Pakistan, **Through English Medium – First Class, 2nd Position**

- o Member Syndicate SMI University (Nominee of Governor Sindh/Chancellor) (Since 04-06-2014)

From 01-09-2009 to 21-01-2014 Assistant Professor (equivalent to Associate Prof. as per HEC criteria)**, Head of Engineering & Sci. Dep.** (27-09-2011 to 19-12-2012), **Comp. Sci. Program Coordinator and Net. & Comm. Engineering Program Coordinator** (13-09-2010 to 26-09-2011), College of Engineering & Information Technology, Al-Ain University of Science & Technology, Al-Ain, UAE.

Responsibilities:
- o Courses Taught: MMT, SPM, FSDM, Found. of SE, UID, MIS, e-Technology, Programming, OS, Security of IS, DBS, SMMT, Web Engineering, Internet Computing, Computer Ethics, Wireless Comm., Cryptography and Comp. Network Security
- o Member University Examination Committee (2009-2 to 2010-2)
- o Active Member College Quality Assurance Committee (2009-1 to 2010-3)
- o Active Member College Planning Committee, College Disciplinary Committee, **College Re-accreditation Committee** & Chair Course File Committee (2010-1 – 2013-1)
- o **Active Member ABET Committee** (2013-1)

15-08-2006 to 31-08-2009   Assistant Professor of IT (equivalent to Associate Prof. as per HEC criteria)**, Program Coordinator IT Department & Coordinator Academic Affairs,** Department of Information Technology, Fujairah College, currently University of Fujairah, UAE.

Responsibilities:
- o Courses Taught: BTA, MIS, Programming, eBusiness Fundamentals, Java Programming, Web & MM IS, e-Commerce Development, DB Management & Design, SAD
- o Supervised students' projects
- o Coordinator College Examination Committee
- o Member College Academic Council, Member College Disciplinary Committee
- o **Active Member Curriculum Development Committee** (for 4 Year Program – FC received initial accreditation for 4 Years Program in IT)
- o Provides students' personal and career counseling
- o Supervised College's Website & Supervised Computer Labs

07-09-2003 to 14-06-2006   Assistant Professor of Computer Science (equivalent to Associate Prof. as per HEC criteria)**,** Ajman University of Science & Technology (AUST), Al-Jarf Campus, Ajman, UAE. (Before 04-02-2006 at Al-Ain Campus, UAE)

Responsibilities:
- o Courses Taught: Programming-I, DBMS, DBDI, CG, SE, Computer & Society, Data Comm. & Network-I, OS and ST in Programming, Simulation & Modeling
- o Chair & Member of several departmental level committees
- o Supervised students projects (Access, Access-VB, SQL-VB, MapObjects-VB, WML/WAP)
- o Provides students' personal and career counseling
- o Organized and conducted Several Seminars

Professional Certificates

1. Certificate from **Google**, through Coursera on "Google Prompting Essentials", **May 13, 2025**
2. Certificate from **Google**, through Coursera on "Foundations of Cybersecurity", **May 1, 2025**
3. Certificate from **CEU IEE Continuing Education**, on "Sanctions and Trade Controls for IEEE Volunteers", **January 28, 2025** (1 Professional Development Hours)
4. Certificate from **CEU IEE Continuing Education**, on "Integrity in Action: Compliance for IEEE Volunteers", **February 3, 2024** (1 Professional Development Hours)
5. Certificate from **CEU IEE Continuing Education**, on "Conflict of Interest: Handling Competing Loyalties", **January 31, 2024** (0.5 Professional Development Hours)
6. Certificate from **CEU IEE Continuing Education**, on "IEEE Information Classification and Disclosure", **January 30, 2024** (0.3 Professional Development Hours)
7. Certificate from **Northeastern University**, through Coursera on "Data Privacy Fundamentals", **January 27, 2023**
8. Certificate from **IBM** through Coursera on "Cybersecurity Roles, Processes & Operating System Security", **August 22, 2020**
9. Certificate from University of London through Coursera on "Machine Learning for All", **August 8, 2020**
10. Certificate from **UNSW Sydney** through Coursera on "Learning to Teach Online", **August 4, 2020**
11. Certificate from Cognitive Class, on "Blockchain Essentials", by **IBM** Developer Skills Network, **July 6, 2020**
12. Certified Engineer AT-CAI/R **2003** (Certified Allied Telesyn Installer Course on Router)
13. Certified Engineer AT-CAI/S **2003** (Certified Allied Telesyn Installer Course on Layer 3 Switch)

Publications

1. **82** Research papers published in various National / International Journals
2. **47** Research papers presented and published in National / International Conferences
3. **2** Books & **9** Book Chapters
4. More than **3950 citations**, with **h-index=27**, **i10 index=53**, please refer Google Citations

02-09-2002 to 30-08-2003   Associate Professor of Computer Science, [Mohammad Ali Jinnah University](), Islamabad Campus Pakistan. (Part Time)

Responsibilities:
- o Courses Taught: Automata theory, Compiler Construction
- o Member of several departmental level committees
- o Member Ph.D. admission committee
- o Provides students' personal and career counseling

01-09-2001 to 31-08-2002   Associate Professor of CS & 04-08-2000 to 31-08-2001 Assistant Professor of CS, [Mohammad Ali Jinnah University](), Karachi, Sindh, Pakistan, (During leave from NAS)

Responsibilities:
- o Courses Taught: Programming, DBMS, DBS, E-Commerce, MMS, SE and Software Process Management
- o **MS Program Coordinator**
- o Member of several departmental level committees
- o Branch Councilor IEEE MAJU Section, Karachi Pakistan (2002).
- o Provides students' personal and career counseling
- o Supervised students projects (Access, Access-VB,SQL-VB, MapObjects-VB, C/C++/VC++, Unicode, Java, WML/WAP)
- o Supervised University's official Website ([www.jinnah.edu]())
- o Supervised University student's database (SQL-VB)

20-03-2000 to 03-08-2000   Assistant Professor of Computer Science, [KASB Institute of Technology]() (KASBIT), Karachi, Sindh, Pakistan. (During leave from NAS)

Responsibilities:
- o Courses Taught: Programming, Adv. Programming and DS
- o **Head of Faculty**
- o Member of several departmental level committees
- o **Chair of course committee to developed courses for BS in E-Commerce**
- o Provides students' personal and career counseling
- o Supervised students' projects (C/C++)
- o Supervised University Website ([www.kasbit.edu.pk]())

15-02-1995 to 22-04-2003 Computer Programmer (BPS-17), Automation Centre, [National Assembly Secretariat]() (NAS), Parliament House, Islamabad, Government of Pakistan. During 1996 to 1999 went on study leave for Ph.D.

Responsibilities: Analyzing, designing, developing, testing and maintaining computer programs, developed in MS Access, FoxPro & VB, supervised data entry operators, conducted training for all levels of officials on basic use of computers including office tools and tools developed by Automation Centre, National Assembly Secretariat.

14-11-1994 to 14-02-1995   Computer Program Officer (BPS-17), [Sindh Madressah-Tul-Islam Karachi](), Govt. of Pakistan. (Civil Service Job – in Basic Pay Scale - 17)

Responsibilities: Head of Computer Centre, Course development, Course assignment, Supervising computer teachers and other administrative responsibilities.

26-03-1994 to 13-11-1994   Research Fellow, Institute of Mathematics & Computer Science, [University of Sindh](), Jamshoro Sindh, Pakistan.

Publications Summary: Journals and Conferences

HEC Recognized (Total)	48	ISI/ Scopus	5
Web of Science (ISI) & **W**	06	**ACM/ Scopus**	2
Web of Science (ISI) & **X**	15	**IEEE / Scopus**	20
Web of Science (ISI) & **Y**	01	**Springer / Scopus**	3
HEC Recognized **X** (Non-ISI)	02	**Others**	17
HEC Recognized **Y**	15		
HEC Recognized **Z**	03		
Scopus (Total)	22		
Scopus Q1	02		
Scopus Q2	06		
Scopus Q3	03		
Scopus Q4	11		

Proficient In
- o DOS, OS/2, OS/400, Linux, Novel NetWare, ULTRIX, UNIX, VMS, Windows etc.
- o BASIC, FORTRAN, COBOL, COBOL/400, ASSEMBLY, PASCAL, C/C++, Visual C++, Java, Ruby, SQL/DS, MySQL, PL/SQL, Visual Basic (VB), dBase III+, FoxPro, Visual FoxPro, MS-Access, MapObjects etc.
- o MS-Office, WordStar, WordPerfect, QuatroPro, Lotus 123, Action, MS Project, MS Visio, etc.

Professional Membership
1. **Life Member,** Computer Society of Pakistan (CSP), since **1999**
2. **Life Member,** Sindh Graduates Association (Pakistan), since **1999**
3. **Founder Member & President**, Sindh University Computer Scientists Association (SUCSA), Pakistan, since **1999**
4. **Member,** IEEE USA, since **2000**
5. **Member,** Computer Society IEEE USA since **2002**
6. **Senior Member,** IEEE USA, since **2005**
7. **Senior Member,** Computer Society IEEE USA, since **2005**

Responsibilities: Courses Taught: COBOL language, In-charge IBM OS/400 lab.

Adjunct/Visiting Faculty

@ British University in Dubai – taught MS and PhD level students (2011-2, 2012-2, 2014-1)

@ SZBAIST, Dubai – taught MS level courses (2009-2 to 2013-1)

@ Ajman University of Sci. & Tech., Fujairah taught BS level courses (2008-1 to 2008-2)

Interests & Activities

GIS, IDNs, DNS, IoT, Cyber Security, Distance Education, E-Commerce, Multimedia, Web, Internet, UNICODE, WAP, P2P, Bioinformatics, ITIL, Big Data, Cloud Computing, Green Computing, Quality of Software, Telemedicine, Networking, VoIP, Databases, Programming, Higher Education, Writing Technical Articles, Writing Poems in Sindhi, Urdu & English **(Published three books of poetry in Sindhi/Urdu)**, Translated one book in English and one in Urdu, Organizing Functions, Reading Books, Movies, Quiz, Debates etc.

MS/MPhil/PhD Supervised

30 MS & **01** PhD students were successfully supervised

References

1. Prof. Dr. Ghassan Al-Qaimari, Chancellor University of Fujairah, Fujairah, **UAE**, gqaimari@emirates.net.ae, cell: +971-50-518-4023
2. Dr. Hasan Wahba, Dean of Academic Affairs, Jumeirah University, Dubai, **UAE**, hasanwahba@yahoo.co.uk, cell: +971-50-2128151
3. Dr. Munif Mohammed Jazzar, ITC Department, Arab Open University, Khaitan **Kuwait**, munif2@yahoo.com, Cell: +9657640535
4. Prof. Dr. Zheng Kougen, Department of Computer Science, Zhejiang University, Hangzhou, 310027, P. R. **China**, zkg@cs.zju.edu.cn, Ph:+86-571-8795-2308

8. **Senior Member,** Geosciences & RS Society IEEE USA, **2005-2021**
9. **Senior Member**, Education Society IEEE USA, since **2021**
10. **Global Member,** Internet Society (ISOC) USA, since **2006**
11. **Member,** Project Management Institute (PMI) USA, since **2007**
12. **Senior Member,** International Association of Computer Science and Information Technology (IACSIT), since **2012**
13. **Member,** ACM since **2019**

Language Proficiency

1. **English** (R/W/S – Excellent)
2. **Urdu** (R/W/S – Excellent)
3. **Sindhi** (R/W/S– Excellent) - Mother Tongue
4. **Chinese** (Speak only – Basic)
5. **Arabic** (R/W – Excellent, Speak – Very Basic)

Personal

Father's Name: Abdul Rahim Soomro
Marital Status: Married
DoB: 12 September 1970
Nationality: Pakistani
Driving License: Canadian, UAE & Pakistan

Software Developed

1. Component Based GIS Development Tool: ZGisObjects (**Ph.D. Thesis** – Using VC++, Unit Testing through Visual Basic)
2. Land Management Information System (Designed for Board of Revenue Government of Sindh, Pakistan, (**M.Sc Thesis**, Using C language, developed Sindhi Language ASCII-based Fonts – first ever developed on IBM compatible machines – complete Interface was in Sindhi Language)
3. FORTRAN TUTOR for FORTRAN Language Users (Using Pascal Language).
4. Question Database Systems (For National Assembly Secretariat, Government of Pakistan, Using FoxPro)
5. MNA Information System (For National Assembly Secretariat, Government of Pakistan, Using FoxPro & Access-VBA)
6. Automated Employees System (For National Assembly Secretariat, Government of Pakistan, Using Access-VBA)
7. Payroll System (For National Assembly Secretariat, Government of Pakistan, Using Access-VBA)
8. eShop Maker (Supervised E-Commerce solution for end-users, using Java)
9. PakObjects (Supervised GIS Solution using Java)