

**Dr. REHAN TARIQ (HEC Approved Supervisor)**  
**Assistant Professor Computer science**  
**Kohsar University Murree.**  
**Member Asian Council of Science Editor, Membership # 9226120**  
**HCIA (R&S) Certified.**



<b>Father's Name</b>	Tariq Mehmood Chohan		
<b>Religion</b>	Islam		
<b>Date of Birth</b>	01-02-1986		
<b>Nationality</b>	Pakistani		
<b>N.I.C #</b>	37406-7183727-3		
<b>Marital Status</b>	Married		
<b>Passport #</b>	CE7967273	Valid up to <b>July-2025</b>	
<b>Email</b>	<a href="mailto:rehantariq@kum.edu.pk">rehantariq@kum.edu.pk</a> <a href="mailto:REHANTARIOCHOHAN@GMAIL.COM">REHANTARIOCHOHAN@GMAIL.COM</a>		
<b>Address</b>	House # CB-1725/4 Barrier # 2, P.O.F Wah Cantt, Pakistan.		
<b>Phone #</b>	0092345 55 01 868 (Mobile / IMO / WhatsApp, )		
<b>Skype</b>	rehan_tariq_chohan		
<b>Peer Reviewer Technical</b>	IEEE Access, Sensors, KSI, Wireless Personal Computing.		
<b>Research Interests</b>	<ul style="list-style-type: none"> <li>• Parallel and Distributed Computing Systems (Cluster, Grid, Cloud, Peer to Peer Systems)</li> <li>• Computer Networks Adhoc Networks (VAENTS/FANETs), IoT, IoV, Routing Optimization of data networks, wireless sensors networks, SDN.</li> <li>• Information Retrieval (Machine Learning, AI)</li> </ul>		

### Objective

### Educational History

Degree	University	DIV / CGPA	Year
<b>Ph.D. Computer Science (HEC-PCD # 24258)</b>	University of Engineering and Technology-Taxila Pakistan	1 <sup>st</sup> 3.56 / 4.0	2021
<b>Thesis Title</b>	<b>“An Intelligent Cluster Optimization Technique for FANET assisted VANET”</b>		
1. Course Work and comprehensive exam (8-05-2018). ✓ 2. (RMC-1) Research topic Approved. (9-07-2018). ✓ 3. (RMC-2) Internal Defense, approved for foreign evaluation (31-12-2020). ✓ <b>Professor Dr. Jong Woen Lee</b> (Sejong University, Seoul, Korea), (Foreign Evaluator 1). <b>Professor Dr. Roose Phillipe</b> (University of PAU, France), (Foreign Evaluator 2). 4. (RMC-3) Compliance Report submitted against Foreign Evaluation ✓(12-04-2021). Final Defense 20-05-2021 ✓	<b>PhD Awarded.</b>  <b>27-05-21</b>		
<b>MS-Computer Science</b>	COMSATS University Islamabad, Wah Campus, Pakistan.	1 <sup>st</sup> , 3.91 / 4.0	2013
<b>Thesis Title</b>	<b>“Multiple QoS based scheduling in Heterogeneous and Parallel Computing Environment”</b>		
<b>BS(HONS) Computer Science</b>	University of Wah, Wah Cantt, Pakistan.	1 <sup>st</sup> , 3.75 / 4.0	2009
<b>DAE (IT)</b>	Punjab Board of Technical Education Lahore	1 <sup>st</sup> , 2198/3050	2004

SSC	Federal Board of Intermediate and Secondary Education	1 <sup>st</sup> , 590/850	2001
-----	-------------------------------------------------------	---------------------------	------

### Research Publications

Paper title “**An Intelligent Harris Hawks Optimization Based Cluster Optimization Scheme for VANETs**”  
Journal of Sensors ISSN: 1687-725X (Print) ISSN: 1687-7268 (Online), DOI: [10.1155/2022/6790082](https://doi.org/10.1155/2022/6790082)  
(IF: 2.33 - 2021).

Paper title “**An Optimized and Efficient Routing Protocol Application for IoV**” Journal of Mathematical Problems in Engineering, Hindawi. 1563-5147, DOI: <https://doi.org/10.1155/2021/9977252>, (IF: 1.009 - 2021).

Paper title “**IMOC: Cluster Optimization Technique for Drone Assisted VANET (DAV) based on Moth flame Optimization**” Journal of Wireless Communication and Mobile Computing. ISSN: 1530-8677  
DOI: <https://doi.org/10.1155/2020/8860646>, (IF: 1.819 – 2020)

Paper title “**Adaptive Node Clustering Technique for Smart Ocean Under Water Sensor Network (SOSNET)**”, Journal Sensors MDPI. 1424-8220, DOI: <https://doi.org/10.3390/s19051145>, (IF: 2.667 – 2019)

Paper title “**Parental Prioritization-Based Task Scheduling in Heterogeneous Systems**” Arabian Journal for Science and Engineering, 2191-4281, DOI: <https://doi.org/10.1007/s13369-018-03698-2>, (IF: 1.711- 2019)

Paper title “**Global Software Development Issues and Problems What it means to Pakistani Software Industry**”, Journal of Applied Environmental and Biological Sciences (ISI indexed) 2014

Paper title “**Directed Acyclic Graph Based Task Scheduling Algorithm for Heterogeneous Systems**” IEEE, Proceedings of SAI Intelligent Systems Conference UK, 2018.  
Travel Grant received from HEC No.290.75/TG/R&D/HEC/2018/25503.

Paper title “**Quality Software Requirement Specification (SRS) and suitable SDLC Leads to Quality Software**” AUTHORS: Sadia Ashraf, Rashid Khan, Dr.Khaild Iqbal and Mr.Rehan Tariq, in the “3rd International Conference on Computational and Social Sciences (ICSS-2015)” in Universiti Teknologi Malaysia, August 25-27, 2015.

Paper title “**A Review on Text Detection Techniques**” AUTHORS: Sana Ali, Dr.Khaild Iqbal, Rehan Tariq, Qazi Zohaib Aqil Saira Khan, UTM Journal Teknolgi ISSN 2180-3722, 2016.

### Seminars & Conferences

Subject	Topic	Date	Venue
Keynote Speaker	Underwater Sensor Networks (China Pakistan Marine Information Workshop)	16-11-2021	COMSATS Wah Campus
ICT Workshop	ICTs for Development Mainstreaming the Marginalized	Dec, 2015	Islamabad
Frontiers of Information Technology	International IT Conference	17 to 19 Dec, 2014	Islamabad
Research Innovation in Information Technology & Engineering (Workshop)	IT Innovation and technology	15-16 April 2014	COMSATS ATTOCK CAMPUS
Frontiers of Information Technology	International IT Conference	16 to 18 Dec, 2013	Serana Hotel, Islamabad
Frontiers of Information Technology	International IT Conference	19 to 21 Dec, 2011	Serana Hotel, Islamabad
Software Engineering	Research Dimensions in Software Engineering	30-08-08	University of Wah
Mobile Communication	Application of Mobile and Distributed Computing	21-01-09	University of Wah

## Event Head & Awards

Arranged and Managed 2 Days, National Level computing/ IT event in university. COMBITS

<https://www.facebook.com/events/comsats-institute-of-information-and-technology-attock-campus/combits-17/371337403265610/>

1. Research Productivity Award COMSATS University Islamabad, 2017.
2. Performance Excellence award from the Management of HASHOO Group International, 2011. (Technical)
3. Performance Excellence award from the Management of HASHOO Group International, 2011. (UNDP Project Assistance)

## Technical Trainings

1. HCIA (Routing and Switching) Certified by Huawei # 010100101806297773007
2. EL-Teach from Education Testing Service (ETS National Geographic Learning), 2014. ID #: PK\_B270-58CMAJWLM\*PBM
3. Advance Level Training on ISO 9001-2008 (Aug 2015) by CONSTECH Pakistan.
4. Transition to ISO 9001-2015 (Aug-2016) by CONSTECH Pakistan.
5. Scientific Manuscript Writing by ORIC Professional Development CUI Pakistan
6. CCNA training (Cisco Certified Network Administrator) form Cisco Academy, 2012.
7. FPGA based Digital Design using Verilog HDL from Skill Development Council F-10 Islamabad, Pakistan. (Hardware Designing and Testing)

## Member Board of Study

1. Kohsar University Murree, Pakistan (Since 2022)
2. University of Wah, Pakistan (Since 2021)

## Employment History

**Total Experience (11 years, 8 Months)**

**Kohsar University Murree Aril 2022 to till Date.**

1. Assistant Professor Computer Science
  - a. Teaching graduate and undergraduate computing courses.
  - b. Supervise undergraduate final year projects
  - c. Supervise research thesis of MS Computer Science and MS Software Engineering

Course Contents are designed under light of HEC-Pakistan and guidelines provided by National Computing Education Accreditation Council & ABET/OBE.

2. Provost KUM (Additional Charge)
3. Security and Estate Care Head KUM (Additional Charge)

**COMSATS UNIVERSITY ISLAMABAD**

**July 2013-April 2022**

**Lecturer, Department of Computer Science**

- A. Teaching Courses at Graduate and Undergraduate levels.
- B. Supervise Final Year Projects for BSCS, BSSE
- C. Courses taught from 2013 to till date.
  1. Advanced Computer Architecture
  2. Advanced Operating Systems
  3. Introduction to computer programming (C/C++)
  4. Object Oriented Programming (Java)

5. Operating System
6. Software Engineering Concepts
7. Software Project Management
8. Computer Communication Networks
9. Routing and Switching
10. Management Information System

Course Contents are designed under light of HEC-Pakistan and guidelines provided by National Computing Education Accreditation Council & ABET/OBE.

### **Administrative Duties**

1. Provost Kohsar University Murree from May 2022 to Oct 2022.
2. Jhika Gali Campus Incharge Kohsar University Murree from May 2022 to Oct 2022.
3. Member, Proctorial Board CUI (2021 to 2022)
4. Member, Internal Quality Auditors' Team CUI (2014 - 2020)
5. DOO (Departmental Operating Officer) CUI-CS Department (2013 - 2016)
6. Program Coordinator Software Engineering Program CUI (2013 – Till Date)
7. Final Year Project Evaluation 7th and 8th Semester CUI (2020 – Till Date)
8. Member, Department Academic Regulatory Committee CUI (2013-2019)
9. Member, ISO steering Committee CUI (2015-2018)
10. Member, Quality Enhancement Cell CUI (QEC) (2015-2018)
11. Member, Purchase Committee Member CUI (2016-2020)
12. Member, Networking Research Group CUI Head by Dr. Farhan Aadil

[https://www.researchgate.net/profile/Rehan\\_Tariq4](https://www.researchgate.net/profile/Rehan_Tariq4)

### **Swedish Engineering College, Wah Cantt (JAN 2012 – JULY 2013)**

#### **Lecturer ICT, Additional duty as IT – INCHARGE & Program Coordinator EE**

- Responsible for maintenance of Windows 2008 based Authentication Servers, Mail Server (MS Exchange 2003) and FTP Server (Linux) on Dell 2600, Dell 4400, and Dell 4600 Server Machines.
- Served as IT manager, to ensure that Computer LANs are functional and all pcs in campus are in good health, by using windows server 2008 R2.
- Provide complete IT solution in campus (Active Directory, Antivirus solution, Internet Acceleration Server (TMG) for internet filtering, Print server etc.
- Responsible for configuration and maintenance of Multiple Application Servers (DHCP, RAS, Radius Server, VPN, Web Portal).
- Installed Layer 2, 3 switches and routers and 600 Computer Nodes passive network. (Allied Telesyn Managed Switches, Cisco 2501, Cisco 2691, RBS, SRAL) for enhancement and maintenance of SCET local area network
- Managed diverse Intrusion Detection Systems in Network at core and distributed layer that includes Kerio Win Route, Watch Guard X - 1000 and Astaro V6.
- Responsible for installation and configuration of all Application Servers, Authentication Servers, Data Servers, and Firewalls in LAN. By using Open-source tool KOHA provide, E-library over LAN. Provide shared space for downloading software, lectures for student anywhere over LAN.
- Teach computing courses (Programming, Computer Networks, Information system, Micro Computer System and Computer Architecture) to Undergraduate students of Electrical Engineering, Mechanical

Engineering and Civil Engineering.

**HASHOOGROUP PAKISTAN (JAN 2010 TO MAY 2011)**  
**System Support Engineer (IT)**

- Responsible for maintenance of Windows server 2008-R2 technologies.
- Providing support to back Offices.
- Responsible for configuration and maintenance of Multiple Application Servers (DHCP, RAS, Radius Server, VPN, Web Portal).
- Assisted IT-Manager in planning new projects etc.

**Technical Skills**

- Good communication skills (English, Urdu)
  - Microsoft Office (Word, Excel, Power Point, Access, Front Page)
  - Operating computers including, IBM, Compaq, Dell.
- Operating systems including, Microsoft Server (2003, 2008, 2008R2) Windows 9x, NT, 2000, Me, XP and Linux & Fedora 9 (Intermediate Level) Computer Networking and administration, troubleshooting, services, installation & networking.

**Programming Languages:**

- OOP, Microsoft .NET Package (VB.NET, VC.Net), C++, JAVA.

**Simulators:**

- OPNET, GridSim and NS3for Net Working, MATLAB 2018.
- Profound knowledge of Microsoft Server Technologies, currently working on 2008R2, 2008, 2003.
- Profound knowledge of Domain Controller. Tyco DVR Magic radar of CCTV controlling both Static and Dome Cameras.
- Profound knowledge of ISA (Internet Security and Acceleration Server) Profound knowledge of Network Security, Fire Wall (ISA, GFI licensed), Working on Dell Power H4600, IBM X3650 Server Machines.

**REFERENCES**

NAME	DESIGNATION	EMAIL/MOBILE #
Dr. Ehsan Ullah Munir	Professor / Chairman Computer Science Department COMSATS University Islamabad, Pakistan (MS-Supervisor)	+92-3333-5428189 <a href="mailto:ehsan@ciitwah.edu.pk">ehsan@ciitwah.edu.pk</a>
Dr. Zeshan Iqbal	Assistant Professor (Ph.D. Supervisor) Department of Computer Science University of Engineering and Technology, Taxila Pakistan.	+92-300-5103916 <a href="mailto:Zeshan.iqbal@uettaxila.edu.pk">Zeshan.iqbal@uettaxila.edu.pk</a>
Dr. Farhan Adil	Assistant Professor, COMSATS-Attock Campus (Ph.D. Co-Supervisor)	+92-321-5216213 <a href="mailto:farhan.aadil@ciit-attock.edu.pk">farhan.aadil@ciit-attock.edu.pk</a>