

Dr. Sheheryar Malik

Professor | Academic Leader | Computing & Technology Strategist

Cloud Computing • Distributed Systems • Cybersecurity • Blockchain • AI

Ph.D. | AWS Academy Certified Educator | AWS Certified Cloud Solutions Architect | (ISC)² Certified in Cybersecurity
Senior Member IEEE | Senior Member ACM | Member ISOC | Member CSA | Member (ISC)²

☎ +92 333 337 8885 | +92 303 5888 222 • ✉ sheheryarmalik@gmail.com | sheheryar.malik@riphah.edu.pk • 📍 Lahore, Pakistan

🌐 <https://www.credly.com/users/sheheryarmalik> • <http://www.linkedin.com/in/SheheryarMalik>

🏠 <https://scholar.google.com/citations?hl=en&user=L7IBVclAAAAJ>

PROFILE:

An experienced academic leader and Professor of Computer Science with 23+ years of experience spanning university teaching, research, academic administration, institutional development, consulting and technology innovation. PhD in Distributed & Cloud Computing from INRIA/CNRS/Université Côte d'Azur, France, with international academic and research experience in France, South Korea, Central Asia and Pakistan. Currently working as Professor of Computer Science, Director of Riphah School of Computing & Innovation and Campus Director at Riphah International University, Lahore. Research interests span cloud computing, distributed systems, cybersecurity, blockchain, edge computing and intelligent systems. Extensive experience in academic leadership, curriculum development, graduate supervision, research management, institutional planning, industry engagement and emerging computing technologies.

ACADEMIC & CAREER HIGHLIGHTS:

- **23+** years of professional experience; 18+ years in university teaching and 17+ years in research and development.
- **15+** years of academic leadership and management across Director, Dean, Head, Assistant Dean and advisory roles.
- Institute Director (6 years) • Campus Director (3 years) • Dean (3 years) • Head of the Department or Program /Assistant Dean roles (7+ years) • Academic Governance (10+ years) • Curriculum Development (12+ years)
- **PhD** in Computer Science (Distributed & Cloud Computing), INRIA/CNRS/Université Côte d'Azur, France — Highest Honor / Summa Cum Laude.
- International academic/research experience in France, South Korea/Uzbekistan and the United Kingdom.
- **30+** research and development projects and extensive work in cloud computing, distributed systems, cybersecurity, blockchain and edge/fog computing.
- **30+ MS** theses and **5 PhD** theses supervised, with research supervision spanning cloud, security, blockchain, edge/fog and IoT/IoV.
- Experience in academic governance through University Academic Councils, BASR, Boards of Faculty, Boards of Studies, curriculum, research, ethics and selection committees.
- Extensive high-quality & impactful teaching experience by teaching 100+ course sections to more than 3500 students.
- Holds multiple international certifications including Certified AWS Solutions Architect and AWS Certified Educator
- Industry experience as CTO & Co-founder, software engineer and technology consultant, supporting academia–industry integration.

SELECTED RECENT ACADEMIC LEADERSHIP & INSTITUTIONAL IMPACT (AT RIPHAH):

Role:

Campus Director – Riphah Lahore QIE Campus | Director Institute – Riphah School of Computing & Innovation | Professor

Impact Highlights:

- **10** Computing Programs | **1,500+** Students | **70+** Faculty
- **8** New Programs | **3** New Departments | **12** Computing Labs
- **20+** PhD & **250+** MS Scholars Inducted
- **200+** Scopus/SCIE Journal Publications by School Faculty
- **25+** Industry Partnerships | **300+** Student Internships
- **6** Student Innovation Competition Wins (last year)

Academic Leadership:

- Lead the school as Director for **6 years**
- Manage **10** computing programs
- Admitted more than **2000** students in past 5 years
- Lead four (**4**) academic departments through their respective Heads of Department

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- Provide academic and strategic oversight for **10** computing programs serving **1,500+** students
 - Lead an academic workforce of **70+ faculty members** across four departments
 - Oversee faculty recruitment, promotion, performance appraisal, and professional development within the School.
 - Extensive development and implementation of **OBE-based curriculum** tailored with industry trends
 - Secured National Computing Education & Accreditation Council's (NCEAC) **accreditation** for all undergraduate computing programs under the Seoul Accord framework.
 - Enhanced the academic quality through introducing various initiatives including Project-based Learning (PBL), MOOC based Learning, and Cohort-based learning.
 - Established a **Project-Based Learning** framework at computing school supporting the evaluation of 1,000+ student projects each semester

Institutional Development:

- Launched **8 new programs** including BS, MS and PhD programs
- Established three **(3)** new academic departments to support institutional growth and disciplinary specialization.
- Established specialized institutional units for quality enhancement, outreach and engagement, internationalization, accreditation, curriculum development, social responsibility, QS rankings, and innovation & commercialization
- Led the development and operationalization of Riphah's QIE Campus, including **12 computing laboratories**.
- Redesigned and strengthened academic processes to improve quality, consistency and operational effectiveness.
- Established a faculty development framework delivering **20+ training** programs annually; 15+ faculty members subsequently attained international professional certifications.
- Optimize the School's operational planning, financial management, and resource allocation.

Research:

- Developed a research, innovation and commercialization center at school named Center for Research & Innovation in Computing
- Developed **3 research groups** under CRIC named Systems & Security Research Group, Data & Machine Intelligence Research Group, and Software Engineering Research Group with each research group consisting of multiple labs
- Inducted **20+ PhD** students and **250+ MS** students
- Oversaw an institutional research portfolio comprising **20+** completed research projects
- Under my leadership, RSCI faculty produced **200+** Scopus-indexed/SCIE publications over five years

Industry Engagement:

- Strengthen **partnerships** with industry, government agencies, and peer universities/institutions.
- Established industrial partnerships with **25+** technology companies
- Organized **10+** major **recruitment drives**.
- Facilitated **internship placements** for **300+** students through institutional and industry partnerships.
- Conducted **20+ FYP** as industry projects

Innovation:

- Developed Innovation & Enterprise Development Hub
- Developed and teach innovation-focused courses including Technology Entrepreneurship and Technology Venture Development & Management.
- Students regularly participate in competitions and have **won 6 competitions** in the last academic year

PROFESSIONAL EXPERIENCE:

Riphah International University, Lahore Campus, Pakistan

- **Campus Director** – Riphah Lahore QIE Campus | Oct 2023 – Present
- **Director Institute** – Riphah School of Computing & Innovation | Oct 2020 – Present
- **Professor** – Department of Computer Science, Faculty of Computing | Oct 2020 – Present

Superior University Lahore, Pakistan

- **Dean** – Faculty of Computer Science & IT | Jan 2018 – Jun 2020
- **Associate Professor** – Faculty of Computer Science & Information Technology | Sep 2017 – Aug 2020

Center for Research in Intelligent, Distributed & Secure Computing, Pakistan

- **Director Research** – Systems & Security | Apr 2013 – Present

Inha University, South Korea, IUT Campus Tashkent

- **Associate Professor**, School of Computer Science & Information Engineering (SOCIE) | Sep 2015 – Aug 2017
- **Advisor to 1st Vice Rector (Vice Chancellor)** | Sep 2016 – Aug 2017

Riphah International University Islamabad, Pakistan

- **Head of Graduate Programs & Research, Assistant Dean** | Feb 2013 – Sep 2015
- **Assistant Professor** - Faculty of Computing | Feb 2013 – Sep 2015

Demystific, Lahore Pakistan

- Chief Technology Officer & Co-founder | Jan 2011 - Present

French National Institute for Research in Computer Science & Control. INRIA - Sophia Antipolis France

- Doctoral Researcher - Project Team OASIS (INRIA – CNRS – i3S) | Oct 2009 – Dec 2012

Bell Labs & INRIA Joint Lab, France

- Visiting Scientist - Joint Project INRIA, Bell Lab, Alcatel-Lucent | Jul 2009 – Sep 2009

Web Anchors, Slough, United Kingdom

- Software Engineer | Feb 2009 – Jul 2009

Air University, Islamabad, Pakistan

- Assistant Professor – Department of Computer Science | Aug 2006 – Jan 2009

PCIT – University of Central Punjab, Rawalpindi Campus, Pakistan

- Lecturer / Program Incharge – Computer Science | Oct 2003 – Aug 2006

OASIS Solutions, Rawalpindi, Pakistan

- Software Consultant | May 2005 – Dec 2008 [Part time]

VOLUNTEER, SEMI-PROFESSIONAL EXPERIENCE:

- **President** - Cloud Security Alliance, Pakistan Chapter | Mar 2015 – Feb 2016 & Oct 2020 – Present
- **Chairman** - Cloud Computing Innovation Council of Pakistan | Dec 2014 – August 2016

EDUCATION:

- **PhD Computer Science** (Specialization: Distributed & Cloud Computing) | 2009 – 2012
(with Highest Honor / Summa Cum Laude)
INRIA (French National Institute for Research in Computer Science & Control), CNRS & Université Côte d'Azur, France (formerly University of Nice Sophia Antipolis)
- **MS Computer Science** (Specialization: Software Systems & Engineering) | 2002 – 2004
Mohammad Ali Jinnah University Islamabad, Pakistan
(18 years level of education, equivalent to UK/USA master's degree)
- **M.Sc. Computer Science** | 2000 – 2002
Mohammad Ali Jinnah University Islamabad, Pakistan
(16 years level of education, equivalent to UK/USA bachelor's degree)

RESEARCH PROFILE:

Research Interests:

- Distributed/Cloud applications design & implementation
- Cloud solutions architecting, IT infrastructure design
- Cybersecurity, information assurance
- Blockchain platforms design & implementation

Research Highlights:

- Publications: 15+ | Citations: 550+ | h-index: 12 | i10-index: 13
- PhD Supervision: 5 | MS Supervision: 30+ | R&D Projects: 30+
- Peer Reviews: 50+ | Technical/Program Committees: 30+

TECHNICAL & PROFESSIONAL EXPERTISE:

- **Classroom Teaching:** Various Computer Science, Software Engineering and IT courses (18 years)
- **Research Supervision:** Undergraduate final year projects and Master/Doctorate thesis (13 year)
- **Research and development:** Cloud Computing, Distributed Systems, Cybersecurity, Blockchain, and Fault Tolerance (17 years)
- **Cloud:** AWS, Google Cloud, OpenStack
- **Cybersecurity:** Cloud Security, Threat Modeling, Cryptography, Information Assurance
- **Distributed Systems:** Cloud, Edge/Fog, Distributed Computing, Fault Tolerance
- **Blockchain:** Smart Contracts, Trust Management, Consensus
- **Programming:** Java, C++, C#
- **Architecture:** Cloud Solutions Architecture, Distributed Systems Architecture

PROFESSIONAL CERTIFICATIONS:

- **(ISC)² Certified in Cybersecurity** | Feb 2026 – Feb 2029
International Information System Security Certification Consortium (ISC)² | Credential ID: 30a270bb-27db-4957-b98d-fdef8aca9723
- **AWS Certified Solution Architect** | Aug 2022 - Aug 2025
Amazon Web Services (AWS) | Credential ID DCTX4V25M14QNKE
- **AWS Academy Certified Educator** | Nov 2022 - Aug 2024
Amazon Web Services (AWS)

PROFESSIONAL COURSES:

- **Google Cloud (2024):** Kubernetes/GKE, Cloud Infrastructure, Terraform, Autoscaling & Workload Optimization
- **AWS (2023):** Cloud Technical Essentials
- **ISC² (2022–23):** Security Principles, Access Control, Network Security, Security Operations, Incident Response/BC/DR
- **University at Buffalo (2022):** Blockchain Basics & Smart Contracts

PROFESSIONAL MEMBERSHIPS:

- Senior Member - ACM (Association for Computing Machinery)
- Senior Member - IEEE (Institute of Electrical and Electronics Engineers)
- President - CSA (Cloud Security Alliance), Pakistan Chapter
- Member - CSA (Cloud Security Alliance)
- Member - ISC² (International Information System Security Certification Consortium)
- Member - ISOC (Internet Society)
- Member, IEEE Computer Society and selected IEEE technical communities
- Member - Microsoft Educator Community

SUBJECTS TAUGHT:

- Cloud Computing Infrastructure & Services
- Cloud Architecting
- Advanced Distributed Systems
- Advanced Operating Systems
- Operating Systems
- IT Service Management
- IT Project Management
- Technology Entrepreneurship
- Technology Venture Development & Management
- Data Security and Cryptography
- Computer Architecture
- Object Oriented Programming in Java
- Programming Fundamentals in C++
- Object Oriented Programming in C++
- Object Oriented Analysis & Design
- Computer Networks & Data Communication
- Software Fault Tolerance
- Introduction to IT

ACADEMIC GOVERNANCE & UNIVERSITY SERVICES:

I have been involved throughout my career in important departmental and university services apart from leadership positions, which are following;

Riphah International University, Pakistan

- Member: University Academic Council | 2013-2015 & 2020-Present
- Member: University Board of Advanced Studies & Research (BASR) | 2013-2015 & 2020-Present
- Convener: Board of Studies, Riphah School of Computing & Innovation, Riphah International University, Lahore Campus | 2020-Present
- Member: Board of Faculty of FC, Riphah International University, Islamabad | 2020-Present
- Member: Research Ethics Committee, Faculty of Computing, | 2013-2015
- Member: Curriculum Committee, Faculty of Computing, | 2013-15
- Member: Board of Faculty of Computing, | 2013-2015
- Member: Board of Studies, CS, Department of Computing, | 2013-2015
- Member: Academic Reform Committee | 2013-2015

Superior University, Pakistan

- Member: University Selection Board | 2017-2020
- Member: University Academic Council | 2017-2020
- Member: University Board of Advanced Studies & Research | BASR | 2017-2020
- Convener: Board of Faculty of CS&IT | 2018-2020
- Convener: Curriculum Committee, Faculty of CS&IT | 2017-2020
- Convener: Graduate Admission Committee, Faculty of CS&IT | 2017-2020
- Member: Graduate Research Committee, Faculty of CS&IT | 2017-2020
- Member: Board of Studies, CS, SE, and IT departments | 2017-2020
- Member: Research Ethics Committee, Faculty of CS&IT | 2018-2020

Inha University Tashkent Campus

- Advisor to 1st Vice Rector | 2016-2017

PCIT – University of Central Punjab, Rawalpindi Campus

- Convener: Exam Committee | 2004-2006
- Member: Curriculum Committee | 2004-2006

JOURNAL / CONFERENCE MANUSCRIPT REVIEWER ROLES:

I have been involved as a peer reviewer for 50+ manuscripts for international journals and conferences. Some of the journals are;

- Elsevier Future Generation Computer Systems
- Springer Journal of Grid Computing
- Springer Scientific Reports
- Wiley Concurrency and Computation: Practice and Experience
- IET Networks
- IEEE Access

RECENT TECHNICAL/PROGRAM COMMITTEE ROLES:

30+ international conferences/workshops technical committee or program committee member.

Recently I have been involved as a technical/program committee member for the following conferences;

- International Conference on Computing Research (ICCoR 26), April 11, 2026
- 7th International Conference on Advancements in Computational Sciences (ICACS'26), February 10-11, 2026
- 27th International Multitopic Conference (INMIC), December 23-24, 2025
- 6th International Conference on Advancements in Computational Sciences, (ICACS'25), February 18-19, 2025
- 5th International Conference on Advancements in Computational Sciences, (ICACS'24) February 19-20, 2024
- 25th International Multitopic Conference (INMIC) November 17-18, 2023
- 4th International Conference on Advancements in Computational Sciences, (ICACS'23), February 20-22, 2023
- The 4th International Conference on Software Engineering and Information Management (ICSIM 2021), January 16-18, 2021
- 2020 IEEE International Conference on Engineering and Emerging Technologies (ICEET 2020), February 22-23, 2020
- 3rd IEEE International Conference on Advancements in Computational Science (ICACS'20), February 17-19, 2020
- 2019 IEEE International Multi Topic Conference (INMIC 2019), November 29-30, 2020

PUBLICATIONS UNDER REVIEW:

1. Muhammad Mohsin, Sheheryar Malik, "An Analysis of Security Issues in Containers and Function as a Service", Submitted & under review in the Springer Journal of Computer Science & Technology, 2026
2. Muhammad Mohsin, Sheheryar Malik, "A Multi-Level Threat Modeling Approach to Cloud Computing Security: Classification, Challenges, and Countermeasures", Submitted & under review in the IEEE Access journal, 2026
3. Iqra Ehsan, Sheheryar Malik, "Hybrid Trust Management System based on Blockchain & Fuzzy Logic in Edge Computing", Submitted & under review in the Springer Journal of Computer Science & Technology, 2026
4. Aidarus Mohamed Ibrahim, Amina Saud, Sheheryar Malik, Tahir Alyas, Amina Salhi, "Decentralized Federated Identity Management Using Blockchain Smart Contracts for Privacy and Interoperability", Submitted & under review in the Springer Nature Scientific Reports, 2026

SELECTED PEER-REVIEWED JOURNAL & CONFERENCE PUBLICATIONS:

1. Abdul Raheem Aleem, **Sheheryar Malik**, Ayesha Kashif and Usman Bashir Tayab, Cloud Computing Resources Utilization Forecasting using Machine Learning, *IOP Engineering Research Express*, Vol. 8, pp. 62880 - 62889, Apr. 2026 (DOI: 10.1088/2631-8695/ae556f)
2. Mehwish Rasheed, Irfan ud Din, Muhammad Adnan, Asadullah Tariq, **Sheheryar Malik**, Ikram Syed, ECM-MAC: An Efficient Collision Mitigation Strategy in Contention Based MAC Protocol, *IEEE Access*, Vol. 9, pp. 62880 - 62889, Apr. 2021 (DOI: 10.1109/ACCESS.2021.3074812)
3. Masood Ur Rehman, Irfan ud Din, Muhammad Adnan, Asadullah Tariq, **Sheheryar Malik**, "VTA-SMAC: Variable Traffic-Adaptive Duty Cycled Sensor MAC Protocol to Enhance Overall QoS of S-MAC Protocol", *IEEE Access*, Vol. 9, pp. 33030–33040, Feb. 2021 (DOI: 10.1109/ACCESS.2021.3061357)
4. Tajwar Mehmood, Seemab Latif, **Sheheryar Malik**, "Prediction of Cloud Computing Resource Utilization", *In the proceeding of the 2018 15th International Conference on Smart Cities: Improving Quality of Life Using ICT & IoT (HONET-ICT)*, Islamabad, Pakistan, December 2018 (DOI: 10.1109/HONET.2018.8551339)
5. **Sheheryar Malik**, Fabrice Huet, Denis Caromel, "Latency based Group Discovery Algorithm for Network Aware Cloud Scheduling", (*Elsevier's Journal*) *Future Generation Computer Systems*, Vol. 31, pp 28–39, Feb. 2014 (DOI: 10.1016/j.future.2013.09.004)
6. **Sheheryar Malik**, Fabrice Huet, Denis Caromel, "RACS: A Framework for Resource Aware Cloud Computing", *In the proceeding of the 7th IEEE International Conference for Internet Technology and Secured Transactions (ICITST 2012)*, London, United Kingdom, December 2012
7. **Sheheryar Malik**, Fabrice Huet, Denis Caromel, "Reliability aware Scheduling in Cloud Computing", *In the proceeding of the 7th IEEE International Conference for Internet Technology and Secured Transactions (ICITST 2012)*, London, United Kingdom, December 2012
8. **Sheheryar Malik**, Fabrice Huet, Denis Caromel, "Cooperative Cloud Computing in Research and Academic Environment using Virtual Cloud", *In the proceeding of the 8th IEEE International Conference on Emerging Technologies 2012 (ICET 2012)*, Islamabad, Pakistan, October 2012
9. **Sheheryar Malik**, Fabrice Huet, Denis Caromel, "Latency based Dynamic Grouping Aware Cloud Scheduling", *In the proceeding of the 26th IEEE International Conference on Advanced Information Networking and Applications Workshop (AINA 2012)*, Fukuoka, Japan, March 2012 (DOI: 10.1109/WAINA.2012.91)
10. **Sheheryar Malik**, Fabrice Huet, "Virtual Cloud: Rent Out the Rented Resources", *In the proceeding of the 6th IEEE International Conference for Internet Technology and Secured Transactions (ICITST 2011)*, Abu Dhabi, UAE, December 2011
11. **Sheheryar Malik**, Fabrice Huet, "Adaptive Fault Tolerance in Real Time Cloud Computing", *In the proceeding of the IEEE 7th World Congress on Services (SERVICES 2011)*, Washington DC, USA, July 2011 (DOI: 10.1109/SERVICES.2011.108)
12. **Sheheryar Malik**, Tasneem. M. Shah, Zohaib Zafar, "Improving Embedding Capacity with Minimum Degradation of Stego-image", *In the proceeding of the IEEE International Symposium on Biometrics & Security Technologies (ISBAST 2008)*, Islamabad, Pakistan December 2008 (DOI: 10.1109/ISBAST.2008.4547658)
13. Sumera Nazir, Nargis Fatima, **Sheheryar Malik**, "Effective Hybrid Review Process", *In the proceeding of the IEEE 2008 International Conference Computer Science and Software Engineering (CSSE) 2008*, Wuhan, China, 2008 (DOI: 10.1109/CSSE.2008.1417)
14. **Sheheryar Malik**, Muhammad Jaffar ur Rehman, "Time Stamped Fault Tolerance in Distributed Real Time Systems", *In the proceeding of the 9th IEEE International Multitopic Conference (INMIC 2005)*, Karachi, Pakistan, December 2005 (DOI: 10.1109/INMIC.2005.334447)
15. **Sheheryar Malik**, Muhammad Jaffar ur Rehman, "A Framework for Fault Tolerance in Distributed Real Time Systems", *In the proceeding of the IEEE International Conference on Emerging Technologies (ICET 2005)*, Islamabad, Pakistan, September 2005 (DOI: 10.1109/ICET.2005.1558933)

RESEARCH:

Selected Research Themes:

- **Cloud & Distributed Computing**
Resource-aware cloud scheduling, cloud interoperability, cloud resource forecasting and fault tolerance.
- **Cybersecurity & Privacy**
Cloud container security, threat modeling, IoV security and privacy, information assurance.
- **Blockchain & Trust Systems**
Blockchain-based identity management, trust management, smart contracts and next-generation consensus.
- **Edge/Fog & Intelligent Systems**
Mobility management, resource allocation, service migration and intelligent forecasting.

Selected Projects:

- Security Issues in Cloud Containers
- Security & Privacy Issues in Internet of Vehicles
- Hybrid Trust Management System based on Blockchain & Fuzzy Logic in Edge Computing
- Decentralized Federated Identity Management System using Blockchain:
- Consensus Algorithm for the Next Generation Blockchains
- CLINOP (Cloud Interoperability Library)
- Resource Aware Cloud Computing
- Fault Tolerance in Distributed Real Time Systems
- Robust Image Steganography
- Formal Specifications & Testing of Real Time Systems
- Network & Resource Aware Cloud Computing
- ProActive Grid/Cloud Middleware
- Network Aware Mobile Avatar with ProActive Grid
- PreCrime: Crime Prediction System
- UEMS: University Education Management System

GRADUATE RESEARCH SUPERVISION:

PhD Thesis Supervised:

- **Improved Mitigation Techniques to Address Security Issues in Cloud Containers**
Muhammad Mohsin (PhD Thesis, 2022-26)
- **A Robust Mechanism for Security & Privacy in Internet of Vehicles**
Kanza Zafar (PhD Thesis, 2023-26)
- **Hybrid Trust Management System based on Blockchain & Fuzzy Logic in Edge Computing**
Iqra Ehsan (PhD Thesis, 2023-26)
- **Decentralized Federated Identity Management System using Blockchain**
Amina Saud (PhD Thesis, 2023-26)
- **An Efficient Consensus Algorithm for the Next Generation Blockchains**
Saadia Aziz (PhD Thesis, 2023-26)

MS Thesis Supervised:

- **A Framework for Mobility Management in Edge Computing**
Misbah Fatima (MS Thesis, 2022-23)
- **Cloud Computing Resources Utilization: Forecasting Using Machine Learning**
Abdul Raheem Aleem (MS Thesis, 2022-23)
- **A Mechanism for Cryptocurrency Price Forecasting**
Abdur Rehman (MS Thesis, 2021-22)
- **TruFog: Trust Management System for Fog Computing Using Fuzzy Logic**
Iqra Ehsan (MS Thesis, 2018-22)
- **A Blockchain based Framework for Healthcare System**
Muhammad Imran (MS Thesis, 2020-21)
- **Inter-fog Framework for Fog Computing**
Mahnoor Zaheer (MS Thesis, 2020-21)
- **A Blockchain based Framework for Financial Systems**
Kashif Nisar (MS Thesis, 2020-21)
- **Fault Tolerance Mechanism for Fog Computing**
Ayesha Ashraf (MS Thesis, 2019-20)

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- **Resource Management in Fog Computing**
Noman Choudhary (MS Thesis, 2019-20)
 - **Mobility Management for Edge/Fog**
Tariq Niamat (MS Thesis, 2019-20)
 - **Energy Efficient Mechanism for Fog Computing**
Zahid Ali Sabir (MS Thesis, 2019-20)
 - **An Efficient Load Balancing Mechanism in Fog Computing**
Amna Anjum (MS Thesis, 2018-19)
 - **Service Migration in Mobile Edge Computing**
Saqiba Jabeen (MS Thesis, 2018-19)
 - **Semantic Interoperability in IoT**
Attique ur Rehman (MS Thesis, 2018-19)
 - **Data replication in Mobile edge computing**
Sadia Noreen (MS Thesis, 2018-19)
 - **An efficient mechanism for Big data processing in fog environment: A Data locality Perspective**
Faiza Naz (MS Thesis, 2018-19)
 - **Prediction of Cloud Computing Resource Utilization**
Tajwar Mehmood (MS Thesis, 2015-16)
 - **Cloud Computing Adoption in Pakistan**
Abid-ur-Rehman (MS Thesis, 2014-15)
 - **A Reference Architecture for Cloud Computing**
Iffat ul Kubra (MS Thesis, 2014-15)
 - **Analysis of Deployment & Security Issues of Private Clouds**
Mubashir Ahmed (MS Thesis, 2014-15)
 - **Cost Aware Resource Selection in IaaS Multi-Cloud**
Uzma Bibi (MS Thesis, 2014-15)
 - **Framework for a standard Interoperable API in Platform as a service (PAAS) Cloud Computing**
Uzair Muhammad (MS Thesis, 2013-14)
 - **Design and Architecture for Interoperability in a Multi-Cloud Environment**
Sadia Siddiqa (MS Thesis, 2013-14)
 - **An Efficient Algorithm for Load Balancing in Cloud Computing**
Muhammad Arshad (MS Thesis, 2013-14)
 - **An Analysis of Security Issues in Cloud Computing**
Muhammad Sadiq (MS Thesis, 2013-14)
 - **An Efficient Cloud Data Storage Mechanism for Cloud Datacenter**
Muhammad Sajjad (MS Thesis, 2013-14)
 - **Effective Hybrid Review Process**
Sumera Nazir, Nargis Fatima (MS Thesis, 2007-08)

ACHIEVEMENTS & DISTINCTIONS:

- **Received “Highest Honor” in Ph.D. degree (2012)**
University of Nice Sophia Antipolis, France
- **Won “INRIA Ph.D. Scholarship” (2009-2012)**
INRIA – Sophia Antipolis, France
- **Won “Best Faculty of the Year Award” [3 times] (2004, 2005, 2006)**
PCIT – University of Central Punjab, Rawalpindi, Pakistan
- **“1st Position” in MS Computer Science [Batch: MS-6] (2004)**
Mohammad Ali Jinnah University Islamabad, Pakistan
- **Placed in “Distinction List” Matriculation [Secondary School] Exam (1995)**
Mirpur Board, Azad Kashmir, Pakistan

LANGUAGES:

English (Advanced/Fluent) | **Urdu** (Advanced/Native) | **French** (Intermediate) | **Punjabi** (Advanced/Fluent) | **Arabic** (Basic) | **Russian** (Basic)

REFERENCES:

Academic and professional references available upon request.