

ZAMAH BUKHARI

Email: zamahbukhari@gmail.com

Career Objectives:

To pursue a faculty position in an academic environment that values analytical thinking, applied computing, and data-driven decision-making, where I can contribute through effective teaching, curriculum-aligned industry engagement, and student development while fostering academic integrity, ethical use of technology, and experiential learning.

Education:

Master of Science in Engineering Management

2014 – 2017

NUST College of Electrical & Mechanical Engineering, Rawalpindi

Bachelor of Information and Communication System Engineering

(Best Industry Project BICSE 2013)

2009 – 2013

NUST School of Electrical Engineering and Computer Science, Islamabad

FSc (pre-engineering)

(Honor Girl - Batch'09)

2007-2009

Divisional Model College, Faisalabad

Matriculation

(Quaid-e-Azam Merit Scholarship - 2007)

2005 – 2007

Divisional Public School, Faisalabad

Publications:

Journal of New Media and Mass Communication | July-2017

ISSN 2224-3267 (Paper) ISSN 2224-3275 (Online)

Impact of Social media on the Success of Technological Entrepreneurial Ventures

Industrial Engineering Letters | September-2017

ISSN 2224-6096 (Paper) ISSN 2225-0581 (Online)

Significance of Creativity, Innovation and Resource-management in Entrepreneurial Ventures

Professional Experience:

Lecturer and Program Manager at TUF | March 2026 – Current

In addition to teaching responsibilities, actively contributing to industry engagement, academic seminars, student governance, and international academic outreach initiatives.

Courses Taught: Big Data Analytics and Visualization, Business Process Support, Professional Practice, Robotics, Management of Information Systems, Decision Support for Business.

Lecturer and Program Coordinator at TUF | March 2024 – February 2026

Courses Taught: Security, Software Development Life Cycle, Business Process Support, Professional Practice, IOT, Digital Business in Practice, Data Analysis for Business, Fundamentals of Business Analytics

Faculty at Roots IVY (TopUp Arden) | January 2023 – February 2024

Courses Taught: Computing Project (Top-Up), Distributed and Cloud Computing, Web Application Development, Professional Practice, Applied Programming

Project Coordinator IT | April 2022 – May 2023

Tauseef Enterprises | Pakistan

Management of technological systems and processes.

Software Designer | Fall 2020 – March 2022

Team Lead for Software Design, Quality Assurance and Data Analytics

Faculty at FAST-NUCES | 2019

Courses Taught: Management of Information Systems

Faculty at NTU | 2018 - 2019

Courses Taught: Computer Design and Programming, Digital Logic Design and Management of Information Systems

Software Developer – Freelance @ Ribtttes | 2016 – 2019

Software Designing & Development and Content Writing

Media & Marketing Executive | March 2014 – August 2014

TUF, Pakistan

- Marketing planning & management of TUF
- Management of social media of university
- Management of website
- Management and organizing external and internal events of the university.
- Management of all student societies of TUF

Project Coordinator/Software Developer | 2012 – 2013

App Trekkers/Islamabad, Pakistan

Intern | 1-08-2011 – 1-09-2011

PTCL, Pakistan

Intern | 16-06-2012 – 30-07-2012

TECHACCESS/Islamabad, Pakistan

Android Development (View me LIVE app)

(Best Industry Project BICSE 2013)**Senior Design Project: “SOCIAL SPIDER”**

A cloud-based system using JADE platform to provide information about a social connection by integrating and filtering data from INTERNET using multiple agents. Provision of ANDROID application and WEB-Interface to use outcome of multi-agent system

Academic & Administrative Service / Academic Leadership

Academia–Industry Linkage & Study Tours Coordination

- Actively contributed to academia industry linkage initiatives by proactively facilitating industry exposure and professional engagement opportunities for students.
- Nominated as Focal Person for Study Tours (2025), responsible for planning, coordination, and execution of academic and industrial visits.
- Coordinated and facilitated local and out-of-city industrial visits to support experiential learning, including:
 - National Science & Technology Park (NSTP), Islamabad-2025
 - K&M's Faisalabad-2025
 - WeRplay, Islamabad-2024
 - DPL, Islamabad-2024
- Ensured study tours aligned with curriculum objectives, professional learning outcomes, and institutional guidelines.
- Conducted student orientation sessions for Fall 2024 and Fall 2025, focusing on academic preparedness, professional conduct, and institutional policies.

Academic Seminars, Webinars & International Engagement

- Arranged and coordinated the academic seminar “Data and Information in Business Processes”, featuring a speaker from the World Bank, emphasizing data-driven decision-making in modern organizations.
- Organized an international webinar titled “Diverse Pathways in Computing Beyond Coding”, featuring perspectives from Canada, highlighting emerging career trajectories in computing beyond traditional programming roles.
- Successfully hosted an inspirational webinar “Leadership: The Female Quotient”, featuring Ms. Solenn Daudu, CEO & Founder of Vanillea International (France).
- Organized and hosted the international webinar “Innovating the Future: Machine Learning, AI, IoT, and Empowering Women in STEM”, promoting interdisciplinary innovation and gender inclusion in technology fields.
 - Session included expert insights by Dr. Maryam Jameela (Canada) on emerging technologies and applied research.
- Hosted and coordinated the international seminar “Driving Climate Action & Sustainable Futures”, bringing together local and international speakers from Germany, the United Kingdom, and France.

Upskilling, Academic Integrity & Capacity Building

- Conducted multiple upskilling sessions focused on:
 - Academic Integrity
 - Referencing and Citations
 - Ethical and Responsible Use of AI Tools in Academia
- Delivered targeted workshops emphasizing honesty, originality, research ethics, and responsible AI adoption in academic work.
- Facilitated institutional learning initiatives aimed at improving students’ academic writing, research practices, and integrity standards.

Diversity, Inclusion & Community Engagement

- Organized and executed a high-impact institutional event for the “International Day for the Elimination of Violence Against Women”, promoting awareness, advocacy, and social responsibility.

- Led and organized “Breast Cancer Awareness Campaigns (2024 & 2025)” as part of university community health initiatives.
- Conducted and organized “Celebrating Diversity & Global Connections” and played a key organizational role in the Global Village Fest under TUF International Programs, promoting cross-cultural awareness, global citizenship, and international collaboration.
- Organized and supervised “Charity Bake Sale initiatives (2024 & 2025)” to enhance student engagement, teamwork, and community participation.

Student Governance & Leadership Development

- Organized and supervised three departmental Student Council Elections, ensuring:
 - Transparent and fair electoral processes
 - Active student participation and representation
 - Development of student leadership and governance skills

Technical Skills:

- Project Management
- Project Coordination and Technical Documentation
- Project Planning and Analysis
- Marketing Plan Development & Management
- Data Analysis and Reporting
- Media Management
- Software Design and Testing, SRS Documentation
- Software Quality Management
- SPSS, AMOS, MS-Office, DRUPAL, JADE, AMAZON EC2
- C++, C#, HTML, PHP, SQL, JAVA
- Windows, Linux
- SQL Server, Oracle Server

Professional Training/Workshop/ Certifications:

- Introduction to Centre BTEC roles & BTEC Quality Assurance processes 2026, Pearson UK
- Guide to Standards Verification 2025/26 2026, Pearson UK
- ORIC 5 Days Training Workshop “*From Research to Recognition: mastering High Impact Writing*” 2025, The University of Faisalabad.
- Training in SPSS & AMOS 2017, Islamabad
- Workshop on Self-Management and Proactive Approach in Life 2017, Islamabad
- Course on Inventory Management 2016, Islamabad
- Training in Quality Assurance in Education 2014, PIQC Lahore
- Islamabad Youth to Business Forum 2013
- Mobile Games Development Workshop 2012, Islamabad
- CCNA Training Course 2011
- Project Exhibition SPEX’2010

Honors / Awards achieved:

- Best Industry Project SocialSpider (Open-House 2013 SEECS-NUST)

- Best Speaker Jirga 2012
- Merit Scholarship SSC Exam 2007
- Honor Girl FSc Pre-Engineering 2009
- Won Inter-District Debate Competition
- Won Spelling Competition twice (consecutive)

Academic Projects:

- Technology Audit of Survey of Pakistan
- Quality Audit of Tauseef Textiles
- Production System & Design Audit of Tauseef Textiles
- Facility Planning & Layout Analysis of Tauseef Textiles

Extracurricular Activities:

- Sports-gala'11 covering report, NUST-NEWS
- Event head, Organizer NASTEC'10
- Event organizer NASTEC'09
- Coordinator YES, SEECS Chapter
- Debate Competitions
- Spelling Competitions
- Poster Competitions

Community Involvement

- Volunteer SOS
- Volunteer Horticulture Society
- Member of WIE (IEEE)
- Member of NUST-LITRARY CIRCLE
- Member of ACM

Interests/Hobbies

Baking/Cooking