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Contact Information

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Professor M. A. Rashid, Ph.D.

- Professor & Senior Fellow, South Asian Institute of Policy and Governance (SIPG), North South University, Bangladesh
- Advisor, Bangladesh Army Aviation Group (The army aviation unit of the Bangladesh Army)
- Co-Chair, R&D (EFEC), Department of CSE, Bangladesh University of Engineering & Technology (BUET)
- Professor & Fellow, Co-Chair, R&D (EFEC), Department of CSE, Istanbul Technical University (ITU)

Key Experiences and Competencies

- Over 24 years of teaching experience in undergraduate and postgraduate programs across Bangladesh, Malaysia, and Australia in Computer Science.
- Supervision of Ph.D. and Master's theses at University of Malaya and International Islamic University, Malaysia.
- Extensive fieldwork and commissioned research involving participatory and rapid appraisals.
- Expertise in team building, communication, and training facilitation.
- Advanced research in Islamic Banking Software during Doctoral and Post-Doctoral studies in Malaysia.
- Proven ability to facilitate workshops, seminars, and moderation.

Major Interests and Expertise

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| - Cybersecurity and Resilience | - Payment Gateways and ERP Software Development |
| - Data Security | - SCADA Systems |
| - Artificial Intelligence | - Geopolitics and Defense Strategy |
| - Satellite Communication and Telecommunication | - Islamic Economics, Studies, and History |

Education

- Ph.D. – Malaysia National (Kebangsaan) University
- Post-Doctoral Fellowships:
 - Melbourne University, Australia (2013–2014, EFT)
 - International Islamic University, Malaysia (2014–2016, Islamic Banking Finance Software)
- Master's in Business Administration (MBA) – Victoria University of Wellington
- Bachelor's & Master's in Computer Science – University of Dhaka

Academic Experience

- Professor, North South University, Bangladesh (2023–Present)
- Professor (External Co-Chair), BUET (2023–Present)
- Professor, University of Malaya, Malaysia (2017–2020)
- Associate Professor, International Islamic University, Malaysia (2014–2017)
- Assistant Professor, Melbourne University, Australia (2013–2014)
- Assistant Professor, Independent University Bangladesh (2006–2007)
- Senior Lecturer, Darul Ehsan University, Bangladesh (2003–2004)
- Guest Professor at BUP
- Guest Lecturer at MIIST and Stamford University

Professional Experience

- Petronas Malaysia – Consultant in SCADA (2011–2012)
- Bangladesh Investment Development Authority (BIDA) – Consultant (2017)
- Bank Negara Malaysia – Consultant, Malaysian Central Bank (2014)
- Rapid Action Battalion (RAB) – Consultant (2003)
- Ministry of Public Administration – Guest Instructor
- DGFI – Consultant

Research Contributions

- Senior Researcher at Turkish Aerospace Industries (2022–2023): Focused on earth observation satellites, surveillance drones, and defense equipment for Bangladesh's defense sector.
- Fellow Researcher at University of Malaya (2018–2020): Specialized in cybersecurity, geopolitics, and advanced software engineering.

Workshops and Seminars

- Organized and facilitated workshops on Cybersecurity, Islamic Economics, and Policy and Governance across various institutions in Bangladesh and Malaysia.

Current Notable Projects

- Analyzing the Design–Reality Gap in E-Governance: An Application of the ITPOSMO Framework (SIPG, NSU)
- Designing an Integrated Cybersecurity Framework for the Bangladeshi Public Sector (SIPG, NSU)
- Developing an Integrated UAV System: Architecture, Design, and Implementation. (Bangladesh Army Aviation Group)
- Designing a Comprehensive Security Framework for Modern Army Doctrine.

Notable Publications

Project Reports

M A Rashid. Advanced Modelling of Orbital Dynamics and Communication Links in Satellite Systems. UKM, PhD Report.

M A Rashid. Integrating Core Banking and Islamic Trade Finance: A Post-Doctoral Analysis of Banking Software Systems. Publication Tizarat Net. IIUM. Post doctoral Report.

M A Rashid. Risk managements in Analysis of Islamic Banking Software Systems. IIUM

M A Rashid. An Adaptive Cybersecurity Framework to Strengthen Multi Layered Defenses in public institutions of Bangladesh., SIPG, NSU.

Books

M A Rashid. National Security Policy of Bangladesh: Safeguarding Sovereignty in an Era of Complex Threats., SIPG, NSU.

Conference Proceedings

Adiba Tasnim, **M A Rashid**, and Zulficar Niaz Tushar. (2025) An AI and Digital Twin-enabled Framework for AMR Containment: A Circular Biosecurity Approach for Sustainable Health System. Annual Biorisk Conference 2025.

Accepted Manuscript

The July Uprising in Bangladesh: A Comparative Analysis of Post-Digital Movements in South Asia and Beyond. (**Accepted Book Chapter**)

A Circular Health Framework for Combating Antiviral and Antimicrobial Resistance in Bangladesh. (**Accepted Abstract**)

Manuscript in Preparation

Bridging the Design-Reality Gap in E-Governance Projects: Insights from the ITPOSMO Model.

Circular Supplier selection using fuzzy AHP and PROMETHEE II: a case study.

National security Doctrines

Doctrinal Implications of Comprehensive Security Architecture for Modern Army

Doctrinal Implications of Designing Geopolitical Strategy within Army

Doctrinal Implications of Bangladesh-China-America Relations

Doctrinal Implications of Bangladesh - Pakistan relation

Doctrinal Implications of Security problem in Bangladesh

Notable Recent Op-Ed in National Newspapers

Bangladesh-China-America relations, Daily New Nation. (2025)

Role of the Armed Forces from 5 August, Daily New Nation. (2025)

National Security Policy of Bangladesh, Daily New Nation. (2025)

পাহাড়ে অশান্তির নেপথ্যে ষড়যন্ত্র, Daily Nayadiganta. (2025)

পিপলস আর্মি গঠন সময়ের দাবি, Daily Nayadiganta. (2025)

৫ আগস্টের সময় থেকে সেনাবাহিনীর ভূমিকা, Daily Nayadiganta. (2025)

জাতীয় নিরাপত্তায় সামরিক বাহিনী, Daily Nayadiganta. (2025)

নির্বাচনব্যবস্থা সংস্কার কতটা জরুরি, Daily Nayadiganta. (2025)

বাংলাদেশের জাতীয় নিরাপত্তার নীতিমালা, Daily Nayadiganta. (2025)