



Meer Ali Buksh, ARAeS, ISO Certified, Lecturer, H.F

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Faculty/Instructor – Airport / Aviation Safety Management, MCBS, Muscat, Oman

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Summary

With a distinguished 10-year career spanning military aviation, academia, commercial aviation accident investigations and aviation research, Meer Ali brings a wealth of expertise to the role of Aviation management, airport operations, aviation safety management, Human factors and Risk Management with a geo-political and geo-economic angle to aviation focuses on critical thinking and problem-solving skills to equip students with real-world expertise. His multifaceted background includes extensive experience in military air power, aviation safety employment & analysis, and aviation Safety risk management research. His professional journey encompasses various roles, from being Flyer and instructor for Aviation Safety, Human factors and Safety risk management officer in Pakistan Air Force and Pakistan Army Aviation flying school, to his current position as Lecturer and instructor in Airport Safety Management and Aviation Management at MCBS and ROAF. Which is one esteemed institution in Muscat, Oman, he empowered countless aviation professionals ranging from Military combat pilots and engineers to Commercial pilots and undergraduate students through engaging lectures, interactive workshops, and real-world case studies. His academic endeavors include research based Master studies in Aviation Safety Management and Aircraft Accident Investigation, further solidifying his depth of knowledge in the field. Notably, Ali Bukhsh has made significant contributions to the aviation community through his publications in aviation magazines, such as Air Forces Monthly and Aviator yearly as well as linkedin articles. Beyond print media, Ali Bukhsh has appeared as a speaker and discussion moderator at prestigious aviation circles in Pakistan Air force, Pakistan Army Aviation & in Muscat (**THE RUNWAY**) **incubation setup of Muscat International Airport**. He hold a humble background of the subject and knowledge on the table. As a dedicated educator, he has empowered aviation professionals through engaging lectures, interactive workshops, and real-world case studies while inculcating & emphasizing on analytical thinking and practical application. He is committed to nurturing the next generation of Aviation professionals.

PROFESSIONAL EXPERIENCE

Lecturer / Online Lecturer – Airport Management / Aviation Management

Modern College of Business & Science – Muscat, Oman

November 2023 – Till Date

- Teaching undergraduate ‘Bachelors’ level modules:
 - Aviation Safety Risk Management & Security
 - Aviation Policy & Law
 - Economics of Air Transport Management
 - Airport Administration & Finance
 - Introduction to Airport Management
 - Airport Planning & Design
 - Aviation & Environment sustainability

External SME Aviation Safety workshop

June 2024

- Airline Operators Association Nepal
 - Military Aviation Nepal
- Conducted 7 days workshop on Invitation from CAA NEPAL

Visiting Faculty – Aviation Management

PAF-KIET – Karachi, Pakistan

August 2020 – September 2021

- Teaching undergraduate ‘Bachelors’ level modules:
 - Risk Management in Aviation/HROs (High Reliability Organizations)
 - Aeronautical Decision Making, Aviation Maintenance Management
 - Aviation Legislation, Introduction to Flight Operations
 - Management of Air Cargo, Weather and Airport Management
 - Aircraft General Knowledge, Aviation Marketing
 - Aviation & Sustainable Environment

Research (Work-in-Progress)

- **Revised Pilot Training Requirements in Advanced Air Mobility (AAM) Space**
- Managing quantifiable and qualifiable research data from across the operations and Regulators and Insurance inputs from various international players in aviation.
- ‘Reactive to Predictive Aviation Risk Management (AVRM): Rise of the Big Data’...
 - Lessons from history.
 - Learnt: All is DATA!
 - ‘Data Science’... already a revolution.
 - ‘Data’ to ‘information’.
 - Future employment in AVRM (Safety).

Faculty – Aviation Operations (Human Factors, Aviation Safety & Aircraft Accident Investigations)

College of Aviation Safety Management (CASM), Rawalpindi, Pakistan

June 2018 – Dec 2023

- Spearheaded graduation of 2000 participants in various Safety Risk Management related programs.
 - Crew Resource Management (CRM).
 - Flight Safety Officer.
 - Aircraft Accident Investigation.
 - Safety Management Systems.
 - Aircraft Technical Investigation.
 - Occupational Health & Safety.
 - Human Factor Aviation Safety.
 - Quality Assurance Management System.
 - Special Safety Indoctrination.
- Efficiently executed interactive Webinars on various aviation & accident investigation subjects with...
 - ISASI-USA
 - President ISASI, Mr Frank Del Gandio.

- Trainer/Commissioner BAGAIA Group, Mr. Caj Frostell.
- AVRMS Specialist, Air Marshal Masood Akhtar.

Faculty / Instructor

Institute of Air Safety (IAS), Karachi, Pakistan

December 2016 – Jan 2018

- Cognitively mentored participants in Safety Risk Management-related courses
 - Flight Safety Officers.
 - Aircraft Accident Investigation.
 - Safety Management Systems.
 - Technical Investigation.
 - Ground Safety Officers.
 - Human Factor Aviation Safety.
 - Quality Assurance.
 - Special Safety Indoctrination.
- Facilitated Pakistan Air Force & Army Aviation Air Crash Investigations based on HFACS, HFACS(ME), HFIX, MEDA.
 - Various Incidents/Near Misses Investigated.
 - Assorted Corrective/Preventive Actions disseminate...
- For Strategic, Operational, Tactical tier Uses developmental strategy and tactics, can effectively convey information to a variety of audiences regardless of demographics, highly organized and dynamic
- Possesses innate physical strength and agility
- Has exceptional analytical and evaluation skills
- Demonstrated success in fostering a positive and engaging classroom environment that promotes student success.

Co-Opted Human Factors Member

Accident Investigation Board Pakistan (AIB-P)

December 2021 – 2023

- Conducted comprehensive investigations of three commercial aircraft accidents, including one fatal crash.
- Utilized analytical tools and methodologies to identify contributing factors and recommended preventive measures.
- Experience includes two investigations on ATR 72-500 and ATR 42-500 for Pakistan International Airline (PIA)
- Airbus A320-214 of Airblue.

EDUCATIONAL QUALIFICATIONS

Master of Business Administration (MBA) - Aviation Safety Management (MS Equivalent)

2013 - 2016

- PAF-KIET (Karachi Institute of Economics & Technology, Karachi, Pakistan)

Related coursework & Research thesis :

- Potential Safety Hazards & Security threats to Civil & Military Aviation from Commercialize UAV's in Pakistan"
- A brief investigation of Air blue accident.
- Human Factors and Aviation Accidents

Post Graduate Diploma - Aircraft Accident Investigation

2018 - 2018

- Air University, Islamabad, Pakistan

Post Graduate Diploma – Aviation Safety Management

2017 - 2017

- Air University, Islamabad, Pakistan

Post Graduate Certificate - Aviation Safety

2013 - 2014

University of Karachi, Pakistan

B.Com. Business Management

2008 - 2011

University of Karachi, Pakistan

Golf, Tennis, Swimming, Paragliding, Cricket

CERTIFICATIONS/COURSES

College of Aviation SAFETY Management – Air University/CAA Pakistan/Pakistan Air Force

- ISO-45001-2018 OH&S (Esenek UK)
- Aircraft Accident Investigation (EMBRU –US)
- Human Factors in Aviation Safety (CRANFIELD- UK)
- Crew Resource Management (CRM)
- Flight Safety Officer
- Safety Management System(SMS)
- Special Safety Indoctrination

- Aircraft Technical Investigation
- Quality Assurance Management System

Essenek Training Center-UK

- ISO-45001-2018 OH&S

Completed SAFETY Certifications/Qualifications

- Decision-Making Concepts for UAS Pilots - Federal Aviation Authority (USA)
- Aviation Fatigue Training – Purdue University (USA)
- Technical University Munich - Germany • Urban Air Mobility – Coursera – June 2024
- sUAS Crew Resource Management- Federal Aviation Authority (USA)
- Regulations, Laws, Airspace Ownership and FAA Enforcement- Federal Aviation Authority (USA)
- Human Factors for Pilots 03 Federal Aviation Authority (USA)
 - Credential ID ALC-731
- Part 107 Small UAS Recurrent Federal Aviation Authority (USA)
 - Dec 2023 Credential ID ALC-677
- ISO 4500-2018 - Auditor / Lead Auditor - Occupational Health & SAFETY Management System.
- 'Dangerous Goods & Regulations (DGR) for Flight Crew' - Pakistan International Airlines Training Centre.
- ISASI Member - International Society of Air SAFETY Investigators, USA. (Dec 2015)
- ARAeS - Member Royal Aeronautics Society, UK. (March 2017)

SKILLS / ABILITIES

Expert competency in...

- Aviation Technology and Management
- Advanced Air Mobility (AAM)
- Urban Air Mobility (UAM)
- Regional Air Mobility (RAM)
- Unmanned Aerial System (UAS)
- EVTOL (Electric Vertical Take-off & Landing)
- HFACS (Human Factor Analysis & Classification System).
- HFIX (Human Factor Intervention Matrix).
- MEDA (Maintenance Error Decision Aid – Boeing).
- Bow-Tie Risk Analysis.

Publications

- UAV's Accident Investigation Using HFACS.
- Safety & Security threats to Military & commercialize Aviation operations from UAVS in Pakistan.
- Analysis of Aviation safety through HFIX Problem, challenges & opportunities.

Membership and Affiliations

- Certified accident investigator – ISASI USA
 - Associate of Royal Aeronautical Society - UK
 - Fellowship of Cirrus aviation Academy- Canada
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