

## **Imtiaz Ahmed Curriculum Vitae**

### **Mission Statement:**

To create and help in creating a quality oriented metrology infrastructure in the region for providing credible inspection, testing and calibration results for the growth of regional trade and industry.

### **Current Assignment:**

As C.E.O. of Al-Meezan Industrial Metrology Services engaged in setting up a state of the art inspection, testing and calibration set up for the provisioning of accredited calibration services in Pakistan and metrology and QMS consultancy and trainings in Middle East and Pakistan.

### **Credentials for the Assignment;**

❖ IRCA Registered Lead Auditor for ISO 9001: 2015	05 Days	SGS Academy
❖ ISO/IEC 17025:2005 Standard awareness	02 Days	ITQM P.U.
❖ ISO/IEC 17025:2005 Assessor (APLAC TR001)	05 Days	PNAC*
❖ ISO/IEC 17025:2005 Method validation & traceability	01 Day	PNAC
❖ ISO/IEC 17025:2005 Quality Assurance & Internal cal.	01 Day	PNAC
❖ ISO/IEC 17025:2005 Measurement Uncertainty.	02 Day	CICM
❖ Internal Auditor course for ISO 9001:2008	05 Day	INSPECTEST
❖ Internal Auditor Course for IMS Certification	02 Day	DEL Qatar BA
❖ Diploma of Associate Engg (Electronics).	130 Weeks	School of Elects.
❖ Calibration of Electronics, Mechanical, Dimensional, Surveying and Process measuring instruments.	13 Weeks	F-16 FTD*, PAF
❖ Temperature Measurement.	01 Weeks	Fluke Corp. UK
❖ Safety and Relief Valve Testing	02 Days	Ventil BV NL.
❖ Surface Table Calibration System	02 Days	Wyler Swiss
❖ Meter Tap and Line Scale Calibration	02 Days	General Tech
❖ Pressure Calibration System ADT761	01 Day	Anum UAE
❖ Water Distillation Installation & Operation	01 Day	Nawaris Medical
❖ Measurement System Analysis (Minitab Software)	02 Days	CICM
❖ Technical Instructor Course	04 Weeks	No. 107 AED
❖ Quality Assurance and Control	02 Weeks	No. 107 AED
❖ On Job calibration training supervisor.	01 Weeks	F-16 FTD, PAF
❖ Calibration of spectrophotometers.	08 Weeks	F-16 FTD, PAF
❖ Calibration of Test Stands for Turbojet Power Plants.	02 Weeks	F-16 FTD, PAF
❖ Calibration of Radar Simulators.	02 Weeks	F-16 FTD, PAF

## Experience chronology:

- i) **May, 2014~July, 2016** Worked at **Modern Surveying Calibration Laboratory** Kurdistan Iraq as Metrology Supervisor participated for setting up an 1800 square meter with 08 dedicated laboratories, procured, installed and commissioned +200 calibration standard equipment, gave hands on training to around 15 technical staff and managed to get accreditation for around 52 ranges and CMC in 8 parameters.
- ii) **Aug, 2012 ~ May, 2014** working as Business Development Manager for “**Accutech Instrumentation Services LLC**”. Set up a calibration lab and got Accreditation for 17025: 2005 from DAC Dubai.
- iii) **Jan, 2011 ~ April, 2012** working is Manager Calibration Lab at “**Gray Mackenzie Engineering Services WLL**” Qatar. Actively participated in the growth of cal business.
- iv) **Jan, 2010 ~ Jan, 2011** working as Incharge Marketing and Quality Assurance at “**Gray Mackenzie Engineering Services LLC**” Dubai. Got Accreditation for ISO 17025: 2005 for Calibration and Appliance testing from ENAS UAE.
- v) **Feb, 2008 ~ Jan, 2010** working as incharge Calibration Lab at “**Inspectest (pvt) Ltd. Lahore Pakistan**”. Prepared and implemented QMS & Technical Management system for 17025: 2005 accreditation of the Calibration Laboratory.
- vi) **May, 1992 ~ Feb, 2008** working as calibration technician, supervisor, technical instructor, quality assurance inspector, on job training coordinator and Lab incharge at “**Precision Measurement Equipment Calibration Labs**” of **Pakistan Air Force**.

## Experience Detail:

### 1. Experience of Calibration

#### **Electrical / Electronics;**

Panel meters, Clamp meters, Multi meters Analogue / Digital, Power meters / Analyzers, Insulation testers, milliohm meters / Earth testers / Continuity testers, Primary / Secondary current and voltage injection test sets, Transformer turns ratio meters, winding resistance meters, Tangent Delta / Power factor test sets, Energy Analyzers, Frequency response analyzers, CB Analyzers, LCR meters, Appliance / Installation testers, Medical safety tester, Relay testers, Cable and pipe locaters, Time domain reflection meters, Impulse voltage and current analyzers, Oscilloscopes, Signal generators / wave form generators, Frequency counters, Watt meters / Power meters / Analyzers, Power supplies, Dielectric strength testers / Hipot testers, Holiday / pinhole detectors, Oil test sets, Phase rotation meter, Battery load test sets, Process calibrators, Thermocouple / RTD Simulators, HART communicators etc.

#### **Inspection /Analytical Instruments;**

Ultrasonic flaw detectors, Ultrasonic thickness gauges, Paint thickness gauges, Paint Adhesion testers, Magmeters, Gauss meter, Ferrite meter, , Hardness testers, Proof meters, Color / Flame spectrophotometers, photo / lux meters, sound level meters / calibrators, LEL and Toxic Gas analyzers, Analytical balances, Moisture analyzers,

Laboratory glassware, Viscometers, hydrometers, PH meters, conductivity meters, TDS meters, Turbidity meter etc.

### **Process Instruments**

Pressure / vacuum gauges, transmitters, recorders, controllers, switches, regulators, safety valves, control valves, portable calibrators, pneumatic / hydraulic dead weight testers etc. Temperature gauges, glass thermometers, filled system & bi-metallic thermometers, thermocouples, resistance temperature detectors, thermistors, temperature transmitters, controllers, switches, recorders, simulators, dry well / liquid bath calibrators, high temperature furnaces, radiation pyrometers, infrared thermometers, hygrometers, humidity chambers. Level sensors, switches, transmitters, controllers, indicators, level trolls etc. Flow meters; variable area, obstruction type, positive displacement type, turbine type, thermal mass, magnetic, ultrasonic, coriolis mass types, flow transmitters, recorders, and gravimetric flow standards, Gas chromatographs etc.

### **Mass / weight, Force and Torque Measurement**

Standard weights, Spring scales, dynamometers, force gauges, mass balances, proving rings, weighing bridges, force machines, tension / compression load cells, balancing machines, crushing / perforating / bursting machines, consistometers etc. Torque wrenches; snap action, impulse feel, and rigid frame / dial type, torque screwdrivers, torque watches, hydraulic / motorized, torque multipliers, torque transducers and calibrators etc.

### **Rotational / vibration measurement**

RPM gauges, mechanical / photo tachometers, electrical tachometer / generator, Stroboscopes, length / depth counters, speedometers, Sound level meters, analyzers and calibrators. Vibration transducers (accelerometers, velocity pickups), vibration exciters, signal conditioners / amplifiers and vibration meters / indicators / recorders & vibration dampers etc

### **Dimensional measurement & Surveying instruments.**

Steel rules, Measuring taps, vernier calipers, height / depth gauges, micrometers, tri squares, bevel protectors, dial indicators, dial bore gauges, ring / plug gauges, MRP gauges, groove depth / width gauges, Mictrac measuring system, measuring / alignment fixtures, length / angle gauge blocks, pocket surfs, bubble levels, gauge block comparators, true squares, cylindrical squares etc.

Telescopes, optical levels, auto levels, optical transits, theodolites, total stations, collimators, autocollimators, comparison autocollimators, optical micrometers, optical wedges, prisms, small angle generators, optical parallels, profile projectors and laser interferometers etc.

### **Turbine / Engine test stands**

Test stands for piston engines like pony brake, water brake and eddy current dynamometers. Test stands for turbo engines; measuring inlet pressure, temperature, angle of inlet vanes, rpm of compressor / turbine stages, fuel flow to the combustion chamber, temperature of combustion chamber, vibration of compressor / turbine

stages, temperature of exhaust gases, pressure of exhaust gases, thrust at the exhaust etc.

### **Low Voltage Electrical Appliances**

Testing of low voltage Electrical appliances like Information Technology, Kitchen, amusement and other utility appliances for electrical and physical safety as per relevant ISO, IEC, SASO, SONCAP, KUKAS standards and Conformance Verification Guides. GMES Appliance Testing Lab is also accredited by ENAS for ISO/IEC 17025: 2005.

## **2. Metrology Trainer**

Have prepared around 20 Metrology Training courses and given training to number of accredited calibration laboratories including Dubai Central Laboratory.

I have been teaching for ten calibration courses each of 03 month duration at F-16 Field Training Detachment of Pakistan Air Force. I have been supervising on the job calibration- training program prepared for fresh Aero-technicians enrolled in PAF.

## **3. Quality control/Assurance and Technical Assessor for ISO/IEC 17025: 2005**

Have been working as Quality assurance / quality control Inspector in calibration Labs Pakistan Air Force for three years. I have managed 03 Calibration and Testing Lab as **Technical and Quality Manger** and successfully carried it through the process of accreditation for **ISO / IEC 17025: 2005** from **Emirates National Accreditation Service and DAC**. Moreover, I am on the panel of GAC as TA for ISO/IEC 17025: 2005 and have conducted assessments for number of calibration laboratories in UAE.

## **4. QMS Consultant and Trainer**

I have been providing training and consultancy for implementation of **ISO 9001: 2008 and ISO 17025: 2005** to calibration and testing labs especially in the area of Calculation of MU, Method validation, internal calibrations and quality control and Assurance measures for labs.

## **5. Assets management/Procurement.**

I have been performing following duties at Directorate of Electronics Engineering in Air Head Quarters for 03 years;

- ✓ Management of Technical assets (measuring and monitoring instruments) and their distribution to the Units and Formation of PAF.
- ✓ Technical correspondence and filing of assets distribution records.
- ✓ Preparation of draft indents for procurement, vetting of technical proposals, vetting of contracts and inspections of the received technical stores (measuring equipment).

Besides, I have a short experience as sales Engineer with M/S Intermark (pvt) Ltd; a principle of Fluke, Hart Scientific, DHI instruments, Aeroflex, Gigatronix, Tektronix, Tegam, Lab Tech and Lab Volt in Pakistan.

## **6. ITW/Signode, BS & B and Instrumentation Sales Engineer.**

I have also been working as Sales Engineer for ITW / Signode USA Protective packaging systems and materials, BS & B Safety Systems pressure relieving devices, Budenberg and Druck pressure systems, Marsh USA shipment marking products, Paslode Canda wood to wood fastening systems for six months.

## 7. Enterprise Resource Management (Oracle)

I have one year experience in **ERP (Oracle) order management module** for making of quotation, inputting sale / purchase orders, making receiving transactions, generating sales invoices and running reports like receivable aging and accounts statements etc.

## 8. Other relevant skills

**Communication Skills** Being Masters in English Literature, having experience as technical Instructor and as technical correspondent, I have adequate communication skills in English Language.

**Computer Skills** Being Associate Engineer of Electronics, I have adequate knowledge of computer Hardware/Software along with experience of MS Office programs and Internet browsing with a fair typing speed.

### Driving experience

Have valid UAE & Qatar driving license (also personal conveyance) and have been driving to various locations in UAE and Qatar.

### Note:

Testimonial (Certificates of qualification and Experience) will be furnished upon demand.

\*FTD Stands for Field Training Detachment, AED for Air Engineering Depot, CICM for Center for Improvement and Change Management, ITQM for Institute for Total Quality Management, FPSC for Federal Public Service Commission and PNAC stands for Pakistan National Accreditation Council.

## Education

### Degree / Certificate

#### Academics

Degree / Certificate	Duration	Institute
M.A. (English Literature)	02 Years	Punjab University
B.A. (Pol Science, Islamic Studies, Arabic)	02 Years	Punjab University
F.Sc.. (Pre-Engineering)	02 Years	BISE Mirpur AJK
S.S.C. (Science group)	02 Years	BISE Gujranwala

#### Achievements

Central Superior Services (Dropped in final selection)	2000~01	FPSC (Pakistan)
Base Commander's Commendations for outstanding performance.		PAF Base Sargodha.

**Personal Details:**

Name **Imtiaz Ahmed**  
Father name **Ghulam Hussain**  
Nationality **Pakistani**  
Date of Birth **04 April, 1972**  
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