**MASHAM HABIB**

**Associate Engineer in Automotive and Diesel Technology**  
Specializing in Operational, Special Vehicles & Plant Equipment

**Contact:**

* **Email:** meesumhabib1@gmail.com
* **Cell:** +923200892092

**Professional Summary:**

Highly skilled Automotive Technician with over 24 years of service in the Pakistan Air Force, specializing in the maintenance and repair of a diverse range of vehicles and equipment. Extensive experience with earth-moving vehicles, mobile cranes, aircraft refueling systems, and special off-road vehicles. Proven expertise in diagnosing mechanical issues, performing preventive and corrective maintenance, and managing complex technical projects. Adept at ensuring operational reliability and safety standards.

**Core Competencies**

* **Earth Moving Vehicles (RRR):**
  + Dump Truck
  + Wheel Dozer
  + Wheel Excavator, Chain Dozer
  + Viberty Roller
  + Hydraulic Hammer
  + Sky Light
  + Concrete Cutting Machine
  + De-Watering Pump
* **Mobile Cranes:**
  + Terex
  + Liebherr
  + XCMG
  + konecranes PLC
  + Zoomlion
  + Tadano
  + SANY
  + Maintenance of hydraulic systems, electrical components, and structural integrity
* **Special Vehicles & Plant Equipment:**
  + MAN trucks, Mercedes Unimog
  + Equipment trucks, Ground Power Units
  + Power management systems for radar and communication systems
* **Aircraft Refueling Systems:**
  + Operation and maintenance of refueling equipment.
  + Management of pneumatic, Engine and transmission systems
  + Handling high-flow and hydrant refueling setups
* **Common User Automotive Vehicles**

**Professional Experience**

**Pakistan Air Force**  
Automotive Vehicles Mechanical Fitter / Fleet Manager  
August 2000 – September 2024

* **Earth Moving Vehicles & Mobile Cranes:**
  + Conducted scheduled and unscheduled maintenance, diagnosing, and repairing engine, transmission, and hydraulic systems.
  + Specialized in Terex RT 600, RT 665, Tadano, and Liebherr cranes.
  + Maintained and repaired excavators, dozers, dump trucks, concrete cutting machines, and more.
  + Prepare reports and submit to concern bodies.
  + Participate in planned audits.
  + Attend Meetings with contractors and command.
  + Leading mechanic teams
  + Ensure team and vehicles / equipment safety.
* **Off-road Special Vehicles & Equipment:**
  + Serviced MAN trucks, Mercedes Unimog, diesel generators, and hydraulic systems
  + Installed and maintained off-road radar equipment and mobile radar units.
* **Aircraft Refueling Systems:**
  + Managed pneumatic and transmission systems, ensuring efficient and safe refueling operations.
  + Calibrated metering systems and optimized refueling processes.
* **Overhaul & Refurbishment:**
  + Overhauled and refurbished utility vehicles including Toyota, Mitsubishi, Isuzu, Hyundai, and more.
  + Utilized digital diagnostic equipment for vehicle sensors and EFI systems.
  + Conducted inspections, servicing, fault diagnosis, and repairs.

**Education & Training**

* **Diploma of Associate Engineer in Automobile and Diesel Technology**  
  School of Administrative Trades, Pakistan Air Force  
  August 2000 – June 2003
* **Advance Course in Operation, Maintenance, and Repair of Mechanized Transport Vehicles**  
  Field Training Center, Pakistan Air Force  
  July 2003 – October 2003
* **Military leadership & Command Course** October 2020
* **Human Resources Development Course in Rectification of Service Mechanized Transport**  
  February 2018
* **Maintenance Course on Aircraft Refuelers**  
  August 2018
* **Maintenance and Operation Course for TEREX Crane**  
  September 2018
* **Training Workshop on UNIMOG Vehicles**  
  March 2021 – April 2021
* **Corrective and Preventive Maintenance course of Earth Moving Vehicles used in Rapid Runway Repair (RRR ) Machines**  
  September 2021 – October 2021
* **Chiller Plant FAM E-400 Operations**  
  February 2023

**Technical Skills**

* **Diagnostic Equipment:** Modern digital diagnostic tools for vehicle sensors and EFI systems. Experience with specialized diagnostic equipment such as engine analyzers and hydraulic testers.
* **Scheduled Maintenance**: Expertise in performing routine inspections and scheduled maintenance in accordance with maintenance manuals and regulatory requirements.
* **Preventive Maintenance**: Skills in implementing preventive maintenance procedures to ensure long-term reliability of systems.
* **Fuel Systems**: Knowledge of aircraft fuel systems, including fuel pumps, tanks, lines, and valves, and the ability to perform repairs and maintenance.
* **Vehicle Systems:** Engine, transmission, brake, cooling, hydraulics, steering.
* **Attention to Detail**: High level of precision and attention to detail in inspections and repairs.
* **Problem-Solving**: Strong analytical and problem-solving skills to address complex technical issues.
* **Communication**: Effective communication skills for collaborating with other maintenance personnel and reporting issues.