

Career & Experience

Teaching & Research Experience

2014-to date
Research Scholar

NED University of Engineering and Technology, Karachi.

Conducting research & perusing PhD in Additive Manufacturing.

2007 – To date
Asst. Professor

NED University of Engineering and Technology, Karachi. Department of Industrial and Manufacturing Engineering.

- Teaching Undergraduate Courses.
- PEC – OBE Accreditation team member
- Advisor Industrial and Student Engineering Projects

2006 – 2007
Lecturer

NED University of Engineering and Technology, Karachi. Department of Industrial and Manufacturing Engineering.

- Taught Undergraduate Courses.

Industrial Experience

2005- 2006
**Dy. Manager
Product Development
& Material Control**

Karakoram Motors (Pvt.) Ltd.

Worked as Head of Development/Supply department, for the development/supply of Kalash (SC1016 single cabin) and Kalam (SC1010 double cabin) pickup parts.

- Responsible for the correspondence with EDB (Engineering Development Board).
- Responsible to prepare the imports list based on Tariff based system for the coming products of Gilgit & Kalam.

2003 – 2005
**Deputy Manager Product
Development & Material
Control**

Adam Motor Company Limited.

- Prepared deletion programme for the upcoming car 'REVO' 800 and 1000cc and was responsible for correspondence with EDB (Engineering Development Board) and vendors for the

verification till approval and onwards.

- Responsible for the development of different plastic, sheet metal, casting, forging and complex parts from part selection to mass production of Revo car, Zabardast Jeep and Truck.
- Working as relationship manager of assigned vendors for quality improvement, engineering change, supplies and supply related issues of Adam products.

**Deputy Manager Production
(System and Process Control)**

- Work in close coordination with the vendors to increase productivity and improve quality at minimum cost.
- Worked in the production department for the development of Standard operating system, Inspection standards and Work standard sheets at welding, painting and assembly shop.
- Develop and implemented the ISO 2000 quality management system at each shop.
- Develop and schedule training programme for workforce.
- Work on the line balancing and set the assembly line of zabardast truck and jeep.

**Deputy Manager Production
(Paint Shop)**

- Head to meet the daily production targets of paint shop.
- Implemented SPC techniques and control charts to improve the quality of paint.
- Train workers to improve the quality of paint application.
- Schedule the routine maintenance of paint shop.
- Deeply analyze the occurrence of defect in paint and correspond with paint, consumables and machinery manufacturer for the remedial action.

1995-2000

Assistant Manager Paint Shop

Naya Daur Motors(Pvt.) Ltd.

- Responsible to manage the daily production targets of 35 vehicles/shift.
- Lead a team of 50 workers and an executive.
- Develop and implement stage wise quality improvement system.

1994–1995

**Development/Product
Evaluation Engineer**

TransMobile Limited

- Worked in the central Vendor Development and Group Purchase Department in the areas of local development and imported parts.
- Responsible for the local development of sheet metal, plastic, and rubber parts.
- Was working for reduction in vehicle cost by introducing low cost components from alternate suppliers all over the world especially North America, Europe, South Africa and Far East.
- Correspond independently with the suppliers/OEM all over the world.
- Coordinate with the departments (Engg, Imports, PB&T, Stores, Finance and Marketing) for the approval and implementation of selected part.
- Successful introduction of high quality at lower parts cuts down Rs 63,000/- per vehicle.

1992–1993

Application Engineer

Electro International

- Was responsible for the selection and quotation of the above company's products.
- Involved in the preparation of tender documents for different projects.
- Responsible for the designing of commercial kitchen and laundry system of hotels and hospitals.

Research and Industrial Projects

Research Scholar of research projects

‘Topological optimization of part build via additive manufacturing process’

Publications

- S. Perween, Asim Zaheer, Rameez Khalid, “*Classification and Balancing of an Automotive Assembly Line*”, International Asia Conference on Industrial Engineering and Management Innovation (IEMI2012) Proceedings, page 429-438, Springer, 2013.
(https://doi.org/10.1007/978-3-642-38445-5_44).
- S. Perween, M Fahad, MA Khan, “*Trends and future perspectives in additive manufacturing*”, First International Conference on Advanced Materials & Process Engineering (AMPE-2016), page 49-59.
- S. Perween, M Fahad, MA Khan, “*Process Development strategies in 3D printing*”, Conference on Emerging Trends in Automotive Engineering (CETAE-17).

Languages

- Fluency in English and Urdu.
- Basic Knowledge of Arabic.

Memberships and Affiliations

- Member Institute of Engineers Pakistan (**IEP**).
- Member Pakistan Engineering Council (**PEC**).