

**ENGR. JAVED AHMED KHAN TIPU**E-mail: [javedtipu@hotmail.com](mailto:javedtipu@hotmail.com)**Date of birth:** March 09, 1976**Gender:** Male**Objective**

To utilize my skills for sustainable development.

**Work Experience****Academia –****2008 Continued****International Islamic University -2010 till Now**

I am the pioneer faculty member of DME and Regular faculty member, I remained the head of department and Incharge of all administrative positions ( lab manager, in charge programs, industrial liaison cell etc) in department along with my normal teaching responsibilities.

**Assistant Professor-** Teaching the courses of lean and sustainability, production management, productions and operations management, total quality management, workshop technology. I also remain the head of mechanical engineering department and remained involve in, accreditation / affiliation of new department, hiring of staff faculty and staff, student enrollment, course design, lab equipment purchase and lab design, timetable, faculty and staff management, report writing and budget approval.

**Lab Manager-** I also remain the Lab Manager of 12 Labs, with advance and precise equipment. These labs were designed by me according to the course of Mechanical Engineering Bachelors and above degree requirements. I purchased the equipment for these labs after getting approvals and tender procedures. Maintenance of these machines was my responsibility.

**Industrial Liaison and open house In-charge-** As a head of Industrial Liaison section, where I tried to establish contacts with industries for the mutual benefits of industry and students. i conducted 2 open houses successfully.

**Principal of Technology College (Diploma and B.Tech. Awarding Institute) -** Management of Technology college with 7 different Engineering technologies, Hiring the faculty and staff, Affiliation, Lab equipment up gradation and purchase, Maintenance of Machines. Liaison with Internal and External authorities for all the relevant issues was my responsibility. It was the constituent organization of the university and I was heading this. Conducted the Apprenticeship programs for Industries according to their requirement.

**Industry-****March 2002-January 2006**

**Manager / Assistant Manager-** production and internal logistics optimization, analysis for cost reduction and quality improvement. Execution of master test and evaluation. Maintenance (preventive, predictive and breakdown). Quality and safety plans. Technical report writing. Sourcing and outsourcing of projects and parts. Preparation of standard operating procedures according to ASTM, MIL standard 8591H, DIN 5025 and ASO 9000 standards. Providing data and assistance for technical report writing. Up gradation of testing equipment. Design of special jigs and fixtures for material testing. Liaison with suppliers and customers (internal and external).scheduling of jobs and personals. Preparation of standard operating procedures. Pre delivery inspection/warranty claims.

Support, coordinate and develop the flow of materials between the warehouse and the various areas. Collaborate in the creation of documentation to support internal logistics processes. Production layout. Continuous improvement projects. Control / optimize stocks within the area of responsibility. Maintenance Management Tools related to the means of material's movement. Rules of safety and cleanliness of the workstation. Comply with the norms of safety, quality, productivity, hygiene and environmental preservation. Comply with the internal rules and regulations of the organization: Code of Ethics schedules

**Education****PhD in Mechanical Engineering (In Process Course Work Completed)-****International Islamic University Islamabad****Pakistan****2019-Continued****Advance specialization Diploma in Engineering Management****Institute of Superior Technology, UTL Lisbon****Portugal****2018**

**Major Courses:** Decision Analysis And Modeling, Models and Applications In Operations Management And Logistics, Strategy And Organizational Development, Entrepreneurship, Outreach and Teaching Skills (Research Methodologies).

**Topic Of Research–**Lean And Sustainable Systems

**Master Of Science In Industrial Engineering (Productions And Operations)****Chalmers University Of Technology****Sweden****2006- 2008**

**Major Courses:** Productions and Operations Management, Production Management Service Operations Management, Total Quality Management, Product Development Management, Project Management, Operations Strategy, Project In Production And Operations Management.

**Master's Thesis "Evaluation Of Material Handling Activities In Production Systems"**

The thesis was the part of research on "Swedish production system". It was based on empirical findings. The major objective was to eliminate the waste from assembly line or production systems. Evaluation and comparison of value and non-value added activities/groups. Evaluation of critical "non-value adding" group and activities. Average time for execution of material handling activities. Frequency of material handling activities and difference between them for various product variants in production system. Suggestions for improvement in production system and beneficial data for product development work were the output. Software **ASTM 3.0** was used to perform this research work.

**Bachelor of science in mechanical engineering**

<b>University of Engineering and Technology Taxila</b>	<b>Pakistan</b>	<b>2002</b>
<b>Major Courses:</b> Industrial Engineering, Production Engineering, Stress Analysis, Machine Design and CAD, Mechanics Of Machines, Internal Combustion Engines, Energy Resources And Utilization, Instrumentation And Control.		
<b>Academic Projects ( Chalmers University of Technology) Sweden</b>		
<b>Layout of assembly line for Volvo buss production plant.</b> Reduced number of assembly lines. Provided the layout of mix product flow assembly line. Lean production tool : <b>VSN</b> <b>Improvements for major supplier of automotive industry</b> Proposed layout of production plant, to minimize the waste and utilize space. Improvements in material supply system. Lean production tool : <b>JIT</b> <b>Study of operations strategy of telecom industry.</b> Capacity, process technology, supply networks and development of baud telecom. <b>The leadership &amp; organization structure</b> Cost reduction in setting up navigation systems. Facilitating the changeover from the old system to the new one. <b>Project portfolio management for new products</b> Describe essential features of an effective portfolio for new products.		
<b>Work Projects</b>		
<b>Cargo unit loading devices repair center,</b> Preparation of standard operating procedures according to jar 145 certification. Preparation of quality and preventive maintenance plans for audit purpose. <b>Structure testing of material below 300 meters the sea level</b> Test plans. Execution of test as a team leader. Supervise the procurement, logistics, safety and support of team. <b>Manufacturing of jigs and fixtures ,structural testing of material (upon, above and below sea level)</b> Involved in designing of number of jigs and fixtures for various special requirements and directly involved with manufacturing of them to execute the structure testing or to fulfill other requirements of shop floor and machines in intense work pressures. <b>Computer maintenance and installation of software</b> Worked as subcontractor / service provider in Portugal for installation and troubleshooting of various parts / programs in computers e.g. Biogen ,Diageo Repair and maintenance work shop for computers and mobile phones in Lisbon, Portugal since 2013. <b>Clean room design</b> Design and execution of clean room for class federal standard 209 (class 100,000) <b>Establishment of the degree awarding “engineering college</b> Development of procedures, standards and prospectus etc according to H.E.C, P.E.C and UET Taxila requirements. Established well equipped labs and library for engineering degree awarding institute. Preparation of affiliation and validation documents. Study and quality plans.		
<b>TOOLS:</b> Microsoft office , ATM, Avix		
<b>Short Courses , Workshops ,Conferences &amp; Exhibitions</b>		
Computer Application.(1997-1998) ,NUST Productivity tools 5S & Kaizen, Management 2003 Aerospace testing and Aircraft interiors expo 2004,2005,2006- Germany Professional Competency Enhancement Program for Teachers in 2010.National Academy of Higher Education International Conference on “Power Generation Systems and Renewable Energy Technologies. IIUI Workshop on Energy Engineering (Organizer), International Islamic University Islamabad, 2011. Pro/Engineer wildfire 5.0 &CNC Machining ,2011, National University of Science and Technology Renewable Energy Technologies (Solar Energy),Pakistan Engineering Council, 2012 Hydraulics ,Pneumatics & Electro Pneumatics(Organizer, Master Trainer) at Iqra College of Technology, IIUI Sustainability Function Deployment, Institute of Superior Technology, 2016 –IST UTL portugal Social Aspects in Sustainable Supply Chains.2016 UNIVALI- Brazil		
<b>Language Skills</b>		
Proficient in English, Punjabi, Urdu. Basic knowledge of Swedish and Portuguese, Reading ability of Arabic,		
<b>Extra Curricular Activities</b>		
Reading, Poetry, Travelling		
<b>Memberships</b>		
Member of Chalmers Students for Sustainability (CSS),		Sweden
American Society of Mechanical Engineers		USA
World sustainability organization		Switzerland
Member boy scout Association		Pakistan
Member Engineering council		Pakistan
Elected Member of Central and Local Council “The Institute of Engineers Pakistan”		Pakistan
<b>Exposure Of Countries, For Visit And Work Purpose</b>		
United Kingdom, Germany, Denmark, Sweden, Holland, Romania, Spain, , Saudi Arabia, United Arab Emirates, Brazil etc.		

