

CURRICULUM VITAE

Biography

Engr. Hayder Zulafqar Ali is working as Instructor at Mechanical Engineering department, United Arab Emirates University since August 2006. Before that, he was working at Pakistan Industrial Technical Assistance Center as Deputy Manager (Technical).

Engr. Hayder has specialization (M.Sc.) in Mechatronics Engineering and B.Sc. in Mechanical Engineering from University of Engineering and Technology, Lahore Pakistan.

From 2002 to 2006, he has been trained under Pakistan-Japan Technology Transfer Project in the field of Thermoplastic Injection Mold making. From 2000 to 2001, he has worked as head of the production control department in an energy meter manufacturing company.

His areas of interest include product design, development, manufacturing, modification and inspection using latest CAD/CAM/CAE techniques.

Basic Personal Info

<u>Full Name</u>	:	HAYDER ZULAFQAR ALI
<u>Nationality</u>	:	PAKISTANI
<u>UAEU joining date</u>	:	August, 2006.
<u>Marital Status</u>	:	Married
<u>Email</u>	:	hayder.a@uaeu.ac.ae
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Academic achievements

- He holds a degree of **Master of Science in Mechatronics Engineering** (i.e., M.Sc. Mechatronics Engineering) from University of Engineering and Technology Lahore, Pakistan.
- He holds a degree of **Bachelor of Science in Mechanical Engineering** (i.e., B.Sc. Mechanical Engineering) from University of Engineering & Technology Lahore, Pakistan.
- He is a **Professional Engineer** registered with Pakistan Engineering Council (PEC).

Professional Experience

- Presently, working as an '**Instructor**' at the Mechanical Engineering Department, United Arab Emirates University from 2006 and involved in different teaching assignments at undergraduate level. Mainly, he is involved in the courses related with product design, development and manufacturing.
- He has worked as '**Deputy Manager Technical**' with Pakistan Industrial Technical Assistance Center (PITAC), Ministry of Industries, Production & Special Initiatives, Government of Pakistan from March 2001 to August, 2006.
- He has worked as '**Head of Production Control Department**' with Syed Bhais Pvt. Ltd. Lahore from January 2000 to January 2001.

Core strength (Product Development, Manufacturing and Inspection)

- In CAD/CAM/CAE domain, He has involved in teaching the following tools at undergrad levels:
 - 3D Product Modeling – AutoCAD, Unigraphics, Solidworks and CATIA.
 - 3D Machining – DelCAM, Boxford and MasterCAM
 - 3D Rapid Proto-type Development – 3D printing using catalystEx software
 - Product Inspection on Coordinate Measuring Machines (CMM)

Research Activities and major publications:

- **Development of Hand-outs 'Programming Techniques for CNC Machining'.**
This booklet was prepared for industrial people who want to learn the programming techniques for CNC Machining Center particularly for Mold Making industry, 2004.
- **Design and Fabrication of an Intelligent Industrial Robotic Arm.**
A thesis submitted in partial fulfillment of the requirements for the degree of M.Sc. Engineering (Mechatronics) at University of Engineering & Technology, Lahore Pakistan 2003.
- **Implementation of Occupational Safety and Health Management System.**
A practical project, which was implemented at Machine and Tool Shop of Pakistan Industrial Technical Assistance Center (PITAC), 2003.
- **Software Development for Quick Implementation of ISO 9001/9002/9003.**
A thesis submitted in partial fulfillment of the requirements for the degree of B.Sc. Engineering (Mechanical) at University of Engineering & Technology, Lahore Pakistan. 1999.
- **Methods for Conservation of Energy in Furnaces.**
A research report developed in 1998.
