

Muhammad Shoab

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OBJECTIVE

To obtain excellence in education and further develop my professional skills, aspiring to become proficient in engineering, while actively contributing to the advancement and innovation within the field. Committed to continuous learning and growth, I seek to leverage my education and experiences to make meaningful contributions to enhance the efficiency and effectiveness of administrative processes within the university., ultimately driving positive impact and success.

PROFESSIONAL EXPERIENCE

NED University of Engineering and Technology – Karachi

Assistant Professor, 1997 – to date

- Teaching various courses at different levels, tailoring instruction to meet the diverse learning needs of students
- Consulting on industrial projects, offering expert advice and strategic direction to ensure project success
- Coordinating final-year student projects, overseeing timelines, resources, and mentorship to facilitate project completion
- Contributing as a member of the Board of Studies in the I.M Department, actively shaping curriculum and policy decisions to enhance academic quality
- Managing student affairs as Controller, advocating for student well-being and fostering a supportive learning environment

Balochistan University of Engineering and Technology - Khuzdar

Assistant Professor, 1989 - 1996

- Directed the operations and initiatives of the Mechanical Engineering Department as its Chairman
- Administered the registrar's office at BUET, Khuzdar
- Delivered comprehensive instruction across different academic levels
- Offered expert guidance and advice to the University Grant Commission (UGC) as a consultant
- Played an integral role in the Balochistan University Admissions Committee
- Provided strategic consultation for industrial projects
- Provided mentorship and support as the Faculty Advisor for the Society of Mechanical Engineers at BUET Khuzdar
- Faculty Advisor – Society of Mechanical Engineers, BUET KHUZDAR

Awards & Accomplishments

- Awarded the Erasmus Mundus Master Scholarship to pursue advanced studies in Germany (TUHH) and Portugal
- Received a Certificate of Recognition from the European Union in 2015, during the program held in Belgium
- Earned a Certificate of Recognition from the European Union in 2012, recognized for outstanding achievements during the program in Czech Republic
- Completed the HEC Indigenous On-Campus Training program from September 1st to 5th, 2014
- Attained certification as a Project Management Professional (PMP) from NED University of Engineering and Technology, Karachi
- Served as the Program Representative for Erasmus Mundus in 2018

Education

NED University of Engineering and Technology, Karachi.

Masters in Engineering in Mechanical (Manufacturing), 2002 – 2004

NED University of Engineering and Technology, Karachi.

Bachelors in Engineering in Mechanical Engineering, 1981 – 1986

Conferences

- Quality assessment on Higher Education, Organized by EU (European Union), University of Ghent, Belgium, 9th Oct, 2015
- Participated in the GENERAL ASSEMBLY of ERASMUS MUNDUS in 2015, Belgium
- Contributed to the GENERAL ASSEMBLY of ERASMUS MUNDUS in 2014, Poland
- Engaged in the GENERAL ASSEMBLY of ERASMUS MUNDUS in 2012, Czech Republic
- Participated in the GENERAL ASSEMBLY of ERASMUS MUNDUS in 2011, Hungary
- Attended the 20th International Workshop on Computational Mechanics of Materials, September 8-10, 2010, Loughborough University, UK
- Presented at the Second International Conference on Vibro-Impact Systems, January 6-9, 2010, China
- Attended the GENERAL ASSEMBLY of ERASMUS MUNDUS in 2010, Spain
- Participated in the Failure of Engineering Materials & Structures (FEMS), October 22-23, 2007, UET Taxila

Research Interests

- Optimization of tool design and machining parameters for enhanced manufacturing efficiency
- Investigation of mechanical behaviour of systems under various loading conditions
- Designing machine elements to meet performance and reliability requirements

Publications

M. Shoaib, “Modelling of Three-Dimensional Tool Wear Based on Finite Element Method”, 20th International workshop on Computational Mechanics of Materials-2010, Loughborough University, UK-2010

M. Shoaib, “A Three-Dimensional Finite Element Analysis of Chip Formation in Metal 3 Cutting”, Second International Conference on Vibro-Impact Systems, China-2010

Languages

- Fluency in English and Urdu
- Basic Knowledge of French and German