

TEHZEEB JAFRI

Professional Engineer & Passionate Educator

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📍 Citizen of United States

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EXPERIENCE

Instructor Mechanical Engineering Technology (MET)

Indiana-University Purdue-University, Fort Wayne (IPFW)

📅 Sept 2013 – Present 📍 Fort Wayne, Indiana U.S.A

- Five years of teaching experience in mechanical engineering technology department. Taught instrumental process control, applied engineering statistics, digital & analogue signals, quality, and electricity.
- Planned, trained and evaluated students through a range of different methods including assignments, quizzes, exams, presentations, group projects, class participation and exams.
- Participated in teacher training workshops and conferences, meeting and professional development seminars.
- Effectively used teaching tools like Blackboard, SmartBoards, spreadsheets and other engineering software.

Substitute Teacher Science & Mathematic

Fort Wayne Community Schools (FWCS)

📅 Jan 2014 – Present 📍 Fort Wayne, Indiana U.S.A

- Taught science, chemistry and mathematics to primary, middle and high school students as well as individuals with learning challenges and special needs within a mainstreamed, inclusive classroom.
- Actively serving variety of schools and task forces focused on curriculum development, textbook review, fund-raising and anti-bullying efforts.

Math Teacher

Ivy Tech Community College

📅 2013 – 2013 📍 Fort Wayne, Indiana U.S.A

- Designed and implemented interactive math lessons using new technologies for the school.
- Taught Algebra, Trigonometry, Statistics, Advanced Algebra, Geometry, Math Enrichment and Calculus

Senior Test Engineer & Lead Trainer (Automotive)

Dana Corporation (ASG Technology Center)

📅 1999 – 2009 📍 Toledo, Ohio U.S.A

- Taught prototyping, design, and production testing validation of automotive axles, drive shafts and other related parts for GM, Toyota, Ford, Nissan, TATA and Chrysler.
- Conducted gear testing on dynamometers and fatigue testing & ultimate testing on Tinius Olsen tester. Analyzed fixed design testing on testing equipment.
- Performed statistical analysis and Weibull analysis on test data. Created statistical plots, histograms, charts, plots and presented photographs of tests setups and fracture samples.
- Analyzed and improved processes. Performed fatigue, beam, static torque, gear fatigue, deflection, hot/cold flow, and axle chatter tests.

MY PHILOSOPHY

"To create prosperity for my employer by satisfying the requirements of internal and external customers."

MOST PROUD OF

🏆 **Encouraging Students for Success**
Giving positive feedback & showing students their own success

🌀 **Technology enthusiast**
My willingness to learn more and teach more with latest technology

📈 **Student Growth**
Taught hundreds of students in my teaching and training career

🏛️ **Inspiring Students for Learning**
Encourage students to become engineers, scientists and doctors

STRENGTHS

- Hard-working
- Persuasive
- Experienced Teacher & Motivator
- Blackboard v.10, Smartboards & Canvas
- Result-oriented innovative teaching methods

LANGUAGES

English ●●●●●
Hindi/Urdu ●●●●●
Arabic ●●●●●

EDUCATION

B.Sc. in Mechanical Engineering

Detroit Institute of Technology

📅 Michigan, United States, 1971

B.S. (Honors) in Chemistry & Mathematics

Karachi University

📅 Karachi, Pakistan

CERTIFICATIONS

- MSSC CLA Certified Logistic Associate
- A+ Certification in TIA Cyber Technology

Senior Test Engineer

Essex Group Incorporated)

📅 1994 – 1999

📍 Fort Wayne, Indiana U.S.A

- Analyzed field quality and customer issues with motors, coils, and other automotive devices.
- Performed magnet wire product testing, created detailed testing reports and provided recommendations to customers in a timely manner.
- Provided testing data to marketing and sales departments for improve customer relationships and setting new target markets.
- Obtained UL, ASTM, ISO and Federal specification approval.

AREAS OF EXPERTIZE

🖥 Software Skills

- Microsoft Office 2016: Word, Excel, Power Point, One Note, Access and Project.
- Advance Blackboard v10 and Canvas
- Lotus notes, Spreadsheet and Databases.
- MatLab and Mulit-Sim Circuit Analysis software.
- Megadac Software, Dynamometer Programming and Flex Software.

🏢 Professional Engineering Skills

- Individual education plan development and project based learning experience for students.
- TQM / ISO 9001 Training and Quality Assurance processes.
- Magnet wire testing, customer support, ASTM, NEMA testing.
- Developed and designed the patent for Hyslik-200 Magnet wire insulation.
- Researching, analyzing and testing metals, chemicals and insulations.

👥 Soft Skills

- Strong communication and presentation skills.
- Inspiring leadership and coaching skills.
- Excellent problem solving skills.
- Teamwork and collaboration skills.

PROFESSIONAL REFERENCES

Azam Choudhry, M.B.A

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✉ Fort Wayne Indiana, 46805

Dr. Barry Dupen, Ph.D

@ dupenb@ipfw.edu

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Mohammad Umair, M.S

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