
RESUME

MOHAMMED IRFAN KHAN

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PROFESSIONAL SUMMARY

Best faculty award winner and results-oriented Assistant Professor with 9+ years of experience and expertise in Engineering Graphics, Operation Research, Fluid Mechanics, Operation Management and Production Planning and Control. Involved in various research projects as well as teaching undergraduate and postgraduate students. Continuously delivering high success rate by maintaining effective learning environment through prepared classes and relevant assignments.

TEACHING INTERESTS

- Engineering Graphics
- Fluid Mechanics
- Operation Management
- Operation Research
- Production Planning and Control

PROFESSIONAL EXPERIENCE

Assistant Professor, Department of Mechanical Engineering, 08/2012 to Current

Medicaps University – Indore, Madhya Pradesh

- Teaching 120+ students each semester in Engineering Graphics and Operation research. Achieved and maintained a success rate of more than 98% student passing in their first attempt.
- Responsible for weekly Fluid Mechanics and Engineering Graphics lab sessions. Approximately investing 120 Hours per semester in grooming students and providing them hands on experience on various experiments.
- Provide deep insight into industrial issues by presenting various industry case studies and practical applications during Operation research lectures and labs.
- Created materials and exercises by researching latest contents from internet and various books and publications to illustrate application of course concepts.
- Mentored students and communicated internship and employment opportunities.
- Active member of Medicaps University admission committee. Playing vital role in student counseling and admissions.
- Part of Exam Team. Responsibility includes conducting online exams, screening exam papers.

Assistant Professor, Department of Mechanical Engineering, 07/2011 to 07/2012

Truba College of Engineering and Technology – Indore, Madhya Pradesh

- Collaborated with colleagues on curriculum revision, evaluation of course syllabi and lesson plans for Operation Research curriculum.
- Conducted weekly "Basic Mechanical Engineering" and "Fluid Mechanics" lab sessions.
- Reviewed program materials and coordinated updates to keep department materials relevant and accurate.

Guest Faculty, 07/2011 to 07/2012

International Institute of Professional Studies (D.A.V.V) – Indore, Madhya Pradesh

- Responsible for teaching Engineering Graphics to batch of 120 students.
- Achieved 100% result in Engineering Graphic subject.

EDUCATION

Pursuing Ph.D: Machine Design - Automobile Springs

Medicaps University - Indore

Currently pursuing Ph. D. in Machine Design in below area:

- "Experimental validation and design optimization of various parameters for helical and leaf spring".

Master's in Engineering: Industrial Engineering and Management, 06/2011

Institute of Engineering and Technology (D.A.V.V) - Indore

- Member of ABACUS club which plans and organizes various events in college.
- Awarded Best carrom player two years in a row.
- Graduated with honors (76.71 percent).
- Thesis: Application/implementation Of Quality Function deployment: A Case Study in two-wheeler segment.

Bachelor of Engineering: Mechanical Engineering, 06/2009

Institute of Engineering and Technology (D.A.V.V) - Indore

- Graduated with 73.09 percent.
- Thesis: The Impact of Operational Quality: A Supply View

Higher Secondary: 04/2005

Little Flower Higher Secondary School - Indore

- Passed with 71.56 percent.

SOFTWARE PROFICIENCY

- AUTOCAD
- CATIA
- Microsoft Office
- Pro/ENGINEER Wildfire 3.0
- ANSYS

SKILLS

- Excellent knowledge in Engineering Graphics and Operation Research.
- Reading and Research
- Student Research Guidance and Counseling.
- Classroom Management and Presentations.
- Curriculum Development.

ACCOMPLISHMENTS

Got Best Faculty Award in year 2016 for achieving 100% result in Engineering Graphic subject among all colleges under Rajiv Gandhi Technical University. This award is presented by **Srijan** Organized by “Sister Nivedita Takniki Shiksha Samithi” And “MP Council of Science and Technology - Bhopal”.

PUBLICATIONS

Title: Design and Analysis of an Automotive Aerodynamic Device by using Computational Fluid Dynamics

Journal: International Journal of Innovative Knowledge Concepts

Year: 2018

Title: Comparative Analysis of Use of an Aerodynamic Device in LMV by Using Computational Fluid Dynamics

Journal: International Journal of Innovative Knowledge Concepts

Year: 2018

Title: A comprehensive review on design, optimization and vibrational analysis of a helical spring

Journal: International Journal of Innovative Knowledge Concepts

Year: 2017

Title: Computer Aided Design and CFD Analysis of The Waste Chill Recovery Heat Exchanger

Event: 2nd National Conference on Design and Manufacturing Technologies for Product Lifecycle

Location: Birla Institute of Technology and Science (Hyderabad Campus)

Year: 2016

Title: Application/implementation Of Quality Function deployment: A Case Study in two-wheeler segment

Event: International Conference on Industrial Engineering (ICIE-2011)

Location: Sardar Vallabhbhai National Institute of Technology, Surat

Year: 2011

Title: The Impact of Operational Quality: A Supply View

Event: IET Conference on Mechanical Engineering

Location: Institute of Engineering and Technology, Indore

Year: 2009