



Name : Dr. Mohammad Sadak Ali Khan

Designation : Professor & Project coordinator of UBA

Qualifications : Ph.D, M.Tech( Machine Design), AMIE, PGDPM, F.I.E, C.E (I.E), MISTE

Experience : 10 years Industrial + 18 years teaching Experience

Area of Expertise:

1. Machine Design
2. Kinematic of Machines
3. Dynamics of Machines
4. Design of Machine Elements
5. Operations Research
6. Optimization Techniques
7. ANSYS with FEA

Research Interest:

1. Optimal Design and analysis of machine components
2. Magnetic Rheological Fluids & applications

Membership Details:

1. FIE
2. MISTE
3. Chartered Engineer (IE)

Publications:

1. Principles, characteristics and applications of magneto rheological fluid damper in flow and shear mode
2. Investigation on the performance of MR damper with various piston configurations
3. Analysis of magnetorheological fluid damper with various piston profiles
4. Analysis of Down-Wind Propeller Vehicle
5. Numerical study of magnetic circuit response in magneto-rheological damper
6. Design of small capacity MR fluid damper
7. Performance evaluation of Magnetic circuit for MR Fluid Damper using FEM

8. Optimal Design of Magnetic Circuit for Improving the Performance of Small Capacity MR Fluid Damper
9. Experimental Analysis of Flexural Properties of E-Glass/Epoxy Laminate Composite with Artificial Delamination.
10. Experimental and kinematic analysis of air driven slider crank mechanism