

# Dr. Brajesh Tripathi

Associate Professor | Department of Mechanical (Aeronautical) Engineering | Rajasthan Technical University | Kota | INDIA ||

## Contacts:

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## Professional Qualification:

Ph.D. | Mechanical Engineering | Specialization: Computational Fluid Dynamics (CFD) |  
from IIT Kharagpur | Full time | 2001—2007 ||  
M. Tech. | Mechanical Engineering | Specialization: CAD/CAM || | 1999—2001 ||  
B.E. | Mechanical Engineering | | 1993—1997 ||

## Summary of Previous Teaching/Industry experience

Assistant Professor | Gautam Buddha University | INDIA | 2011—on leave ||  
Pos- Doc-Fellow | Michigan State University | Michigan | USA | 2009—2011 ||  
Faculty | Birla Institute of Technology and Science (BITS) Pilani | India | 2007—2009 ||  
Design Consultant | CAD Company | 1997—1998 ||

## Research Area

Computational Fluid Dynamics (CFD), Heating Ventilation and Air-conditioning (HVAC), Energy Efficient Buildings, Clean-room Design, Thermal Packaging, Fuel Cell, Biomechanical Engineering, MEMS, Biomimetics, CFD based aerodynamic design. Turbulent flows, NANO-Fluids, Heat Transfer and Fluid Flow.

## Achievements after PhD

Patents	02 (Applied)
Book Chapter	02
Industrial Projects + Consultancies	03 + 02
Reviewer of reputed journals	05
Publications in International Journals	17
Publications in International Conferences	12
Publications in National Conferences	18
Guidance of Master candidates	20
Guidance of PhD candidates	01+03(In progress)