

**Prof. Ghanshyam Singh**

Professor

**Education:** Ph.D.

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**Areas of Interest:** Experimental and Computational Fluid Dynamics, Heat Transfer, Combustion & Gasification, Jet Mixing and Mixing Control.

**Brief Profile:**

Dr. Ghanshyam Singh obtained his B.E. in Mechanical Engineering from Barkatullah University, Bhopal, and completed Masters and Ph.D. from Thermodynamics and Combustion Engineering Lab. IIT Madras in 2004. His field of interests are Experimental and Computational Fluid Dynamics, Heat Transfer, Combustion & Gasification, Jet Mixing and Mixing Control. He joined General Electric, Bangalore in December 2001 and served there for nearly seven years in the Advanced Combustion Engineering Group. During this period he was responsible to develop processes for the CFD analysis of Gas Turbine Combustors and to mentor his team members on CFD simulation, and Turbulence, Heat Transfer, Fuel Spray and Combustion Modeling. In November 2008 he joined Thermax Ltd., Pune as Principal Scientist and was responsible to identify, assess and explore newer business avenues related to Combustion & Gasification, Heat Transfer and Wind Energy. He established an international consortium for optimizing gasification technology for high ash Indian coal under FP7 program of European Commission and drove biomass gasification project to become full-fledged business unit in the near future. During this period he closely worked with the international and national organizations such as ECN (Energy research Center of Netherlands), IIT Madras and MNRE for technology transfer, scale up, customization and funding. During the same period he also worked as visiting faculty in the department of The School of Energy Studies at the University of Pune for two years. He joined Agni Bio Power, Mohali (a startup having offices in Pune and Mohali) in March 2012 to explore the business opportunity in Biomass Processing and Utilization. Subsequently he took career transition from industrial to academic and joined MPCT Gwalior as Director and before joining Jaypee University of Engineering and Technology, Guna he briefly worked with ITM University Gwalior and MVN University, Palwal as head of the mechanical engineering department and Jaypee University, Anoopshahr as Professor and Dean (Students Welfare).

**Publication@JUET**

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