

Profile of Prof. (Dr.) Onkar Singh

Name: Prof. (Dr.) Onkar Singh

Current Designation: Professor of Mechanical Engineering at the Harcourt Butler Technical University (HBTU), Kanpur.

Academic and Administrative Profile

- Former **Vice-Chancellor** of Veer Madho Singh Bhandari Uttarakhand Technical University.
- Founder Vice-Chancellor of Madan Mohan Malaviya University of Technology.
- Former Vice-Chancellor of:
 - Uttar Pradesh Technical University (now AKTU),
 - Hemwati Nandan Bahuguna Uttarakhand Medical Education University,
 - Veer Chandra Singh Garhwali Uttarakhand University of Horticulture and Forestry.

Educational Qualifications

- **B.Tech. (Hons.)** – Harcourt Butler Technological Institute (now HBTU), Kanpur.
- **M.E. (Hons.)** – Motilal Nehru National Institute of Technology, Prayagraj.
- **Ph.D.** – Motilal Nehru National Institute of Technology, Prayagraj.

Areas of Expertise

- Thermal Engineering
- Engineering Thermodynamics
- Turbomachinery
- Internal Combustion Engines
- Refrigeration and Air Conditioning
- Renewable and Sustainable Energy Systems.

Research and Scholarly Contributions

- More than **150 research publications** in reputed journals and conferences.
- **Google Scholar citations:** over 3,200 citations.
- Guided numerous **Ph.D., M.Tech., and B.Tech. dissertations.**

Books Authored

Prof. Onkar Singh has authored several well-known textbooks, including:

- *Engineering Thermodynamics*
- *Applied Thermodynamics*
- *Thermal Turbomachines*

- *Elements of Mechanical Engineering*
- *Challenges and Strategies for Sustainable Energy, Efficiency and Environment*
- *Some Discourses on Education – In Indian Context*
- *Musings on Education*
- *The Catch 22s of Indian Education*
- *Exploring Horizons.*

Patents and Innovations

He holds patents related to:

- Motorised Wheel Chair,
- Solar Powered Tricycle,
- **Rotary and Vane Type Air Engine** (jointly developed with **Prof. Bharat Raj Singh**).

Recent Awards and Honours

- **Eminent Mechanical Engineer Award – 2025** by The Institution of Engineers (India).
- **Padma Vibhushan Dr. Murli Manohar Joshi Teachers Award – 2025.**
- **Mata Savitribai Phule Distinguished Academia Award – 2026.**

Recent Academic Engagements (2026)

Prof. Onkar Singh continues to contribute actively to national discourse on higher education through articles published on the **Times of India Voices** platform. His recent articles address:

- Regulations in technical education,
- Reforms in admission examinations,
- Implications of Artificial Intelligence in education.

Official Website: [Dr. Onkar Singh's Official Website](#)

Overall, Prof. (Dr.) Onkar Singh remains one of India's eminent academicians, combining distinguished leadership in higher education with significant contributions to mechanical engineering research and educational policy.