

**Shri R.K. SINGH**

**BTech. (Electrical), MBA**

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## **PROFESSIONAL EXPERIENCE**

- Instrumentation and control systems for the 100 MWth DHRUVA research reactor
- Advanced Nuclear Technology Initiatives
  - Conceptualized and implemented LASER-based Digital Particle Image Velocimetry for Advanced Heavy Water Reactor (AHWR)
  - Developed MEMS-based flow sensor systems in collaboration with IIT Kharagpur
  - Directed technology knowledge transfer initiatives between research and industry partners
- Published 59 Technical papers: 20 international and 39 national
- CURRENT ROLES
  - Develop and teach specialized courses on nuclear energy's role in decarbonization strategies
  - Mentor engineering students on sustainable energy technologies including nuclear innovations
  - Create industry-academia collaborations focusing on clean energy solutions
  - Regular presenter at conferences on nuclear energy's role in decarbonization

## **ACHIEVEMENTS / AWARDS:**

- Glory of India Gold Medal (2019) - For excellence in nuclear engineering and public outreach
- Bharat Jyoti Award (2013) - For contributions to nuclear technology and energy innovation
- Indian Nuclear Society Outstanding Service Award (2011) - For excellence in science communication

## **MEMBER PROFESSIONAL BODIES**

- INS, ISSS, ISNT and Press Club