

BIODATA

Name: Dr. K. V. S. Rao

Designation: Professor and Dean, R & D

Department: Mechanical Engineering / Interdisciplinary Engineering

Institution: NRI Institute of Technology (Autonomous), Agiripalli

Email: kvsrao@nriit.edu.in

Mobile: 9440115556

Academic Qualifications

- Ph.D. in Mechanical Engineering from IIT Delhi
- M.E. in Mechanical Engineering / Related Engineering Discipline from B.I.T.S, Pilani
- B.Tech / B.E. in Mechanical Engineering / Engineering Discipline from University of Mysore

Teaching & Professional Experience

- Nearly 35 years of teaching, research, and academic administration experience in Engineering Education
- Extensive experience in teaching Mechanical Engineering core and allied subjects, including:
 - Engineering Mechanics
 - Strength of Materials
 - Thermodynamics
 - Heat Transfer
 - Fluid Mechanics
 - Machine Design
 - Manufacturing Processes
 - CAD/CAM and Industrial Engineering
 - Marine Thermodynamics
 - Marine Engines and Auxiliaries
 - Fluid Machinery
 - Heat Exchangers and Power Systems
 - Maintenance and Reliability Engineering

Areas of Expertise

- Mechanical Engineering Fundamentals
- Marine Engineering Systems
- Thermo-Fluids and Energy Systems
- Design, Manufacturing, and Maintenance Engineering
- Computational Intelligence Applications in Engineering
- Design Thinking and Innovation
- Industrial Engineering

Ph.D Guidance and Academic Experience

- Supervised 10 Ph.D. scholars to the completion of their doctoral degrees and guided 74 postgraduate (M.Tech) students in their dissertations.
 - Currently supervising 4 Ph.D. scholars and mentoring 3 M.Tech students in their dissertation work.

- Served as Question Paper Setter, Evaluator, and Adjudicator for Postgraduate Engineering and Ph.D Examinations
- Experience with answer script adjudication, resolution of valuation discrepancies, and ensuring fairness and academic standards
- Familiar with university examination regulations, evaluation rubrics, and grading policies
- Chairman, BOS and for about 20 years

Research & Publications

- Published research papers in Engineering, AI applications in Mechanical Systems, and Interdisciplinary Engineering
- Author of academic textbooks and learning resources for engineering students
- Reviewer for national and international journals and conferences

Professional Memberships

- Life Member / Member of professional bodies such as:
 - ISTE
 - ISME

Declaration

I hereby declare that the above information is true and correct to the best of my knowledge. I affirm my commitment to impartiality, confidentiality, and academic integrity while discharging my duties as an Adjudicator for Mechanical Engineering and allied subjects.

Place: Vijayawada

Date: 13/12/2025

Signature:



(Dr. K. V. Sambasiva Rao)