



**Dr. D. K. Nageswara Rao**

**Position:** Professor-Mechanical Design  
**Office:** 11, Tana Building  
**Email:** [dk.rao@bdu.edu.et](mailto:dk.rao@bdu.edu.et); dr.dknrao@gmail.com  
**Phone:** +251 930 557 387, +91 9393399960(whatsapp)  
**Education:**

- ✓ Ph.D., in Design Engineering , at I.I.T. Bombay (India)
- ✓ M.S., in Engineering Design , at University of Madras (India)

**Courses:**

- ✓ Computer Aided Modeling and Simulation of Electromechanical Systems,
- ✓ Machine Dynamics, Adv. Mechanics of Materials

**Research:**

- ✓ Stress concentrations in smart composite plates, development and characterization of natural fiber composites, Agriculture Mechanization, Supply Chain Management

**Professional Experience:**

- ✓ Design Engineer, A.P. Heavy Machinery & Engg Ltd. Vijayawada, A.P.(India)
- ✓ Asst. Aeronautical Engineer, Hindustan Aeronautics Ltd. Nasik (India)

**Research Interests:**

- ✓ Advanced Polymer Composites, 3D Printing of carbon nanotube reinforced polymer composites, Biomimetics for tribological applications

**Honors & Awards:**

- ✓ National Merit Scholarship holder
- ✓ MHRD funded Q.I.P. Research Scholar at I.I.T. Bombay

**Publications:**

- ✓ <https://scholar.google.com/citations?user=qoOCmTgAAAAJ&hl=en>

**Conference:**

- ✓ <https://scholar.google.com/citations?user=qoOCmTgAAAAJ&hl=en>

**Projects:**

- ✓ nil