

## Contact

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[vemanait.edu.in/mechanical-engineering.html](http://vemanait.edu.in/mechanical-engineering.html) (Company)

## Top Skills

Academic Administration  
Research and Development (R&D)  
Academic Advising

# Dr. Vijayasimha Reddy B G

Principal | Professor | Researcher | Technical Education Leader | Expertise in Testing Materilas for Impact Energy Absorption | 34+ Years of Academic & Industry Experience|IEEE Senior Member.  
Bengaluru, Karnataka, India

## Summary

Experienced academic leader, Mechanical Engineering expert with over 34 years of combined teaching, research, and industry experience. Currently serving as the Principal of Vemana Institute of Technology, Bangalore, I am committed to academic excellence, institutional growth, and fostering innovation in engineering education.

My research focuses on the materials and structures for the design of impact energy absorbers subjected to low and medium velocity impact loads. Indigenously developed state-of-the-art R&D test facilities. I have guided multiple Ph.D., PG, and UG research projects, published in reputed journals and conferences, and led national-level initiatives in curriculum development, accreditation, and industry-academia collaboration.

I take pride in having established centres of excellence in impact engineering, business incubation Centre, and impactful research infrastructure that contribute to student success and delivering quality technical education.

## Research & Achievements

- 15+ international journal publications
- Guided 3 awarded Ph.D. candidates and several ongoing researchers
- Developed a Drop Weight Impact Test Machine (Awarded 2nd place at IMTEX 2022)
- Completed 5+ funded research projects from IEI, VTU, and KRJS
- Keynote speaker and session chair at multiple international conferences

## Certifications & Training

- Faculty Development – VTU, IISc, IIT Madras, NITK, and more

- Training in Mechatronics, CAD/CAM/CAE, MEMS, Smart Materials

#### Awards & Recognition

- Distinguished Leadership Legacy – 2023 & 2024
- Best Educator 2024 – Combined Defense Services
- Award for Outstanding Research – IMTEX 2022

#### Professional Interests

- Engineering Education Reform
- R&D in Advanced Materials & Structures
- Institutional Leadership
- Student Innovation & Startups
- Industry 4.0 Readiness

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## Experience

Vemana Institute of Technology - Koramangala, Bengaluru  
12 years 8 months

Principal

June 2015 - Present (10 years 6 months)

Principal | Vemana Institute of Technology, Bangalore (June 2015 – Present)

June 2015 - October 2025 (10 years 5 months)

Bengaluru, Karnataka, India

- Leading the institution's strategic and academic vision
- Spearheaded NBA accreditation for four programs
- Established Toyota Centre of Excellence
- Indigenously developed drop weight Impact test facility
- Initiated Business Incubation Centre & Startup Cell
- Mentored faculty and students on research, innovation, and leadership

Professor

July 2013 - October 2025 (12 years 4 months)

Associate Professor

April 2013 - July 2013 (4 months)

Vemana Institute of Technology - Koramangala, Bengaluru  
7 years 8 months

### Assistant Professor

August 2007 - February 2013 (5 years 7 months)

### Senior Lecturer & Head, Mechanical Engineering

July 2005 - August 2007 (2 years 2 months)

Bengaluru, Karnataka, India

- Headed department of Mechanical Engineering, Focused Research and project guidance,
- Curriculum development
- Played a pivotal role in VTU-VGST sponsored FDPs
- Organized National Conference RTME
- Established laboratories as per VTU norms

### RJS Polytechnic, Bangalore

Lecturer to HoD | RJS Polytechnic. (1993 – 2005)

February 1993 - July 2005 (12 years 6 months)

Bengaluru, Karnataka, India

- Academic leadership
- Built laboratories and academic infrastructure from the ground up
- Delivered teaching excellence across Mechanical Engineering subjects
- Organized national conferences & technical workshops

### SAGAR AUTOMOBILES (BANGALORE) PRIVATE LIMITED

Customer Care Executive

November 1997 - August 1999 (1 year 10 months)

### Karnataka Water Pumps Limited, Bangalore & Public Works

Department- GoK

Industry Experience | Karnataka Water Pumps- Quality engineer, Apprenticeship P.H.E. Bangalore

April 1991 - November 1993 (2 years 8 months)

Bengaluru, Karnataka, India

- Held positions in quality, service, and engineering support
- Bridged practical knowledge from industry to academic applications

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## Education

UVCE

Doctor of Philosophy - PhD, Mechanical Engineering · (2013)

UVCE

Master of Engineering - MEng, Manufacturing science and  
Engineering · (2003)

SSIT, Tumkur

Bachelor of Engineering - BE, Mechanical Engineering · (1990)