

Dr. M. Krishna

Assistant Professor (SG)

Department of Mechanical Engineering
KCG College of Technology, Chennai



Work Experience

- Over **15 years of teaching, research, and academic administration** in Mechanical Engineering.
- Expertise in **Manufacturing Technology, Welding Engineering, Materials Engineering, CAD/CAM, CNC Machining, and Research Methodology**.
- Guided numerous undergraduate and postgraduate student projects in manufacturing, automation, robotics, and thermal engineering.

Research Publications

- **17+ research publications** in reputed **SCI, Scopus, Springer, SAGE, IOP, AIP, IEEE, and other international journals/proceedings**.
- Major research areas include:
 - Dissimilar Metal Welding
 - Friction Welding
 - Gas Tungsten Arc Welding (GTAW)
 - Shape Memory Alloys
 - Machine Learning in Welding Optimization
 - Manufacturing Process Optimization
 - IoT and Industrial Automation

International Conference Presentations

Presented research papers in **11 International Conferences**, including:

- ANRF Sponsored International Conference on Smart Materials for Innovation in Low Carbon Energy and Environment (SMILE-2025)
- International Conference on MASK (2023)
- ICAAMME-2023
- ICITMSEE-2022
- IEEE ACCAI-2022
- ICETME-2021
- ICAME
- ICARSES-2020

- Other International Conferences in Manufacturing and Mechanical Engineering

Professional Development & Courses Completed

Completed **12+ NPTEL Certification Courses**, including:

- Outcome-Based Education & Accreditation
- Research Methodology
- Training of Trainers
- Engineering Metrology
- Fundamentals of Welding Science and Technology
- Advances in Welding & Joining Technologies
- Joining Technologies for Metals
- Developing Soft Skills and Personality

Completed **Coursera and Industry Certification Courses** in:

- Material Processing
- Material Behaviour
- Mechanics of Materials
- Digital Marketing
- Hybrid Electric Vehicles
- Mental Health and Well-being

Notable Achievements

- Published research in **high-impact SCI and Scopus-indexed journals**, including Springer and SAGE.
- Presented research at **11 International Conferences**.
- Holds **3 Indian Patent Applications**.
- Active researcher in **Advanced Manufacturing, Welding Technology, AI-based Process Optimization, and Materials Engineering**.
- Recipient of multiple Faculty Development Program certifications from premier institutions including **NIT Warangal, NITTTR**, and other leading engineering institutions.