



Centre for Advanced Materials Processing

Dr. D. Rajamani

Professor-Mechanical

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Dr. D. Rajamani is a Professor in the Department of Mechanical Engineering at Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai. With over a decade of academic and research experience, his expertise lies in advanced manufacturing processes, particularly additive manufacturing, fiber metal laminates, and intelligent modeling using AI and optimization techniques. He has led multiple funded projects, including ASEAN-India and DST-SERB schemes, focusing on the development of bimetallic structures for high strain rate applications. He has published over 45 Scopus-indexed articles and served as a reviewer for prestigious international journals and research agencies. He holds a Ph.D. in Mechanical Engineering from Vel Tech and has received international travel grants and project funding from reputed organizations like DST, SERB, and the Association of Commonwealth Universities. He is also an active member of ASME and IEI and continues to contribute significantly to the field of smart manufacturing and materials engineering.

Looking for PhD students to work in the following areas

- Additive manufacturing of advanced materials and alloys
- Machining of composites and superalloys
- Machine learning for manufacturing processes

Facilities available

- Split-hopkinson pressure bar
- Metal additive manufacturing (DED and SLM)
- Plasma arc machining, EDM
- Basic testing and characterization facilities

Benefits and opportunities

- Monthly fellowship of Rs. 25,000/- for three years
- Publication in SCI-indexed high impact journals
- Access to National R&D labs and NITs for experimental and characterization works
- National and International collaborations

Contact details

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