

TWO-DAY NATIONAL WORKSHOP

Advanced Manufacturing & Materials: From Processing to Performance Evaluation

26th–27th October, 2026

Location: VIT, Vellore

**Registration closes:
22/10/2026**

₹600 External | ₹300 Internal

RESOURCE PERSONS & TECHNICAL SESSIONS

DAY 1 • 26 OCTOBER 2026

01



Dr. Shivakumar G
Functional Surfaces in Advanced Manufacturing: Processing, Characterization, and Performance
Scientist G & Head, Centre for Engineered Coatings, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad, Telangana

02



Prof. Ramkumar P
Tribology from Basics to Recent Advancement
Professor, Department of Mechanical Engineering, IIT Madras, Chennai, Tamil Nadu

03



Dr. T. Ram Prabhu
Metal Additive Manufacturing for Defence: Current Landscape, Emerging Indian Needs & Funding Proposal Ideas
Scientist 'F' & Additional Director, DRDO Bengaluru, Karnataka

04



Prof. Arivarasu M
High-Temperature Materials for Aerospace: Environmental Degradation and Protection
Professor & Director, Centre for Innovative Manufacturing Research, VIT Vellore, Tamil Nadu

05



Prof. Vasudevan R
Fatigue Behaviour of Additively Manufactured Metallic Materials
Professor, School of Mechanical Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu

06



Dr. Ashish Kumar
Small-Scale Mechanical Testing: Nanoindentation and Micro-Mechanical Techniques
Associate Professor, Centre for Innovative Manufacturing Research, VIT Vellore, Tamil Nadu

DAY 2 • 27 OCTOBER 2026

01



Mr. Vinod A R
Laser-Based Metal Additive Manufacturing for Product Development and Refurbishment- A DED Approach
Scientist-D & Group Head for Additive Manufacturing, CMTI, Bengaluru, Karnataka

02



Prof. Raja Annamalai A
Tungsten Heavy Alloys for Defence Applications
Professor, Centre for Innovative Manufacturing Research, VIT Vellore, Tamil Nadu

03



Prof. Madhuri W
Microwave Processed Electroceramics for Piezoelectric Nano Generators
Professor & Director, Centre for Functional Materials, VIT Vellore, Tamil Nadu

04



Dr. Yazar K U
Creep Behaviour of Metallic Materials
Assistant Professor, Centre for Innovative Manufacturing Research, VIT Vellore, Tamil Nadu

05



Mr. Iramudi V
Metal Additive Manufacturing: Transforming Biomedical & Aerospace Applications
CEO, Addblu Innovators, Chennai, Tamil Nadu

06



Dr. Gururaja S
Digital Tools for Decision Making in Conventional and Additive Manufacturing
Assistant Professor, Centre for Innovative Manufacturing Research, VIT Vellore, Tamil Nadu

LAB VISIT & LIVE EQUIPMENT DEMONSTRATIONS

DAY 1 • NABL-ACCREDITED CIMR LABORATORY

- Creep Testing Machine
- Density Measurements
- Wear Testing Machine
- Residual Stress Evaluation
- Erosion Testing Facility

DAY 2 • METAL PRINTER, TESTING & CHARACTERIZATION

- 3D Metal Printer
- Nanoindentation
- 3D X-ray Tomography
- FE-SEM and EBSD
- Fatigue Testing Machine

Target Audience

- UG/PG/Ph.D. students
- Faculty
- Researchers
- Industry professionals

<https://vit.ac.in/event/two-day-national-workshop-on-advanced-manufacturing-materials-from-processing-to-performance-evaluation>

REGISTRATION & PAYMENT



CONTACT

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