

**Central Institute of Petrochemicals Engineering & Technology (CIPET),  
SARP-Advanced Research School for Technology & Product Simulation,  
Chennai, Tamil Nadu-600032**

**Inviting Applications for “KARYASHALA” High-end Workshop Program -2022-23**

**Duration:** 30.01.2023 to 08.02.2023

**Place:** CIPET:SARP-ARSTPS, Chennai

**Title:** High-End Workshop on Introduction to Design, Analysis and Additive Manufacturing Techniques

**Scope of the Program “KARYASHALA”:**

‘KARYASHALA’ is the call to provide hands-on experience to post-graduate (PG) and doctoral students from colleges, universities and institutions in handling of advanced manufacturing instruments. This workshop aims to create a strong interest towards science and engineering research and to provide technical insight in the field of advanced additive manufacturing technologies and its analyzing strategies.

**CIPET:SARP-ARSTPS:** ARSTPS is an exclusive R&D wing of CIPET, established at Chennai, Tamil Nadu, to promote advanced technological innovations. The laboratories has state-of-art infrastructure, instrumentation and facilities to undertake various developmental activities including CAD design, Conceptual Modelling, Product Development, Simulation, Analysis and R&D of Polymers for Commercial, Healthcare and Defence Sectors of the country. In particular, our group focuses on advanced manufacturing technologies for energy, environment and biomedical applications.

**Programme Objective:**

This High-End Workshop aims to develop a skill in additive manufacturing technologies for PG/PhD students from universities/colleges/institutes. This workshop will give them opportunities to know about of 3D-modelling software (CAD/CAM), reverse engineering (Geomagic), 3D Printing fabrication methods (SLM, SLS, FDM etc.), analysis/simulation software (FEA & ANSYS) and validation of prototypes. Also, hands-on training on various software and fabrication methodologies will be provided.

**Who can Apply?**

Interested Final Year PG students having first class in Physics/ Materials Science/Polymer Science/Mechanical/ Manufacturing Engineering and/or Ph.D. students (First year) are eligible to apply.

**How to Apply?**

**Step 1:** The candidate shall apply for the workshop program by filling the attached form in the prescribed format through their head of the department/ institute.

**Step 2:** Take a print out of the filled form and sign at the bottom of all pages. <https://www.cipet.gov.in/>

**Step 3:** The application shall be accompanied by self-attested copies of the relevant documents and a No Objection Certificate (NOC) obtained from the Head of the department/institute of the parent institution.

**Step 4:** E-mail the scanned copy of the signed registration form to [arstpscipet@gmail.com](mailto:arstpscipet@gmail.com) with supportive documents on or before 13.01.2023.

**Selection Process:**

Selection of participants will be done by the concerned department of the organizing institute based on:

1. Academic performance in university examinations (CGPA / Percentage of marks).
2. Academic/co-curricular contests participated and other awards/distinctions obtained.

**Note:** A list of selected candidates will be intimated through email.

**Event Organizer:**

**Dr. R. Ananthakumar, Jr. Scientist**

CIPET:SARP-Advanced Research School for Technology & Product Simulation (ARSTPS),

T.V.K. Industrial Estate, Chennai, Tamil Nadu- 600 032 .

Mobile: +91-8895001133; Email: [ananth@cipet.gov.in](mailto:ananth@cipet.gov.in)

Website: <https://www.cipet.gov.in/> & [www.arstps.gov.in/](http://www.arstps.gov.in/)

<https://ananthkaist.wixsite.com/ar-group>

**Details of Workshop:**

- \* Duration: 30.01.2023 to 08.02.2023
- \* Venue: CIPET: SARP-ARSTPS, Chennai, Tamil Nadu
- \* Number of Positions: 20
- \* Submission Deadline: 13/01/2023
- \* Only shortlisted student shall be communicated through email.
- \* No stipend will be provided for the workshop.
- \* Certificate will be provided to the participants after the successful completion of the workshop tenure (Submission of work report).

**Nature of support**

- \* The workshop will give the daily necessary expenses such as stationery, consumables, accommodation, food, etc.
- \* The period of the High-End Workshop shall be for 8 days excluding week ends.
- \* The participating students will also be eligible for TA reimbursement for their journey between the host institute and their hometown/home institute, both ways, as per GoI norms.

**Terms and condition:**

- \* The participants would be assigned tasks /assignment as per the Workshop schedule by the event organizer.
- \* The participant should work accordingly and prepare a work report to be submitted after completion of the workshop.
- \* Participants not completing the work within the requisite period will not be issued any certificate.
- \* The IPR of the research work will be reserved by the institute which cannot be used by the participant without permission of the concerned authority.
- \* The participant should abide by the rules and regulations of the institution and follow laboratory protocols.