

Central Institute of Petrochemicals Engineering & Technology (CIPET)
SARP-Laboratory for Advanced Research in Polymeric Materials (LARPM)
B-25, CNI Complex, Patia, Bhubaneswar – 751024

Inviting Applications for "VRITIKA" Training and Skill Internship Program-2023-24

Duration: 2 Months (01.01.2024 - 29.02.2024)

Place: CIPET:SARP-LARPM, Bhubaneswar

Title: Fabrication and Performance Study of Carbon-based Supercapacitors

VRITIKA (Training and Skill Internship)

"VRITIKA" is the call for initiation and practice in science through Training and Skill Internship. This program aims to provide opportunities to promising PG students from universities and colleges to get exposure and hands-on research skill development experience. This training program caters to various verticals like advanced energy storage technologies, manufacturing, and operation of supercapacitor devices.

SARP-LARPM

Laboratory for Advanced Research in Polymeric Materials (LARPM) is CIPET's focal point for multidisciplinary research and education efforts involving various disciplines of Polymer Science & Engineering. It has been working in the following areas such as Bio-degradable Polymers, Structural Composites, Nanocomposites, Energy Storage and Harvesting, High Temperature Polymers for Aerospace, Recycling & Waste Management, Filtration Membranes, Polymer Coatings including Antimicrobial, Superhydrophobic corrosion resistant, Adhesives, Foams, Fuel Cells.

OBJECTIVE

This training program will emphasize on the following aspects,

- To train the UG and PG students about the synthesis of hierarchical carbon materials using various chemical and physical methods.
- To teach and make them understand the physicochemical characterization of the prepared carbon materials.
- To offer the interns the operational principles, sample preparation and hands-on training on various characterization tools.
- To train in the fabrication and assembling of electrodes and devices.
- To provide details insights and hands-on experience in the testing of supercapacitor devices.

Who can Apply?

- Interested Final Year UG, PG students having first class in Physics/ Materials Science/Polymer Science/Mechanical/ Manufacturing Engineering are eligible to apply.

Nature of support

- The internship will give the daily necessary expenses such as stationery, consumables, accommodation, food, etc.
- The period of the Training and Skill Internship shall be for **2 months**.
- 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 Internship schedule by the event organizer.
- The participants should work accordingly and prepare a work report to be submitted after completion of the Internship.
- 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 participants should abide by the rules and regulations of the institution and follow laboratory protocols.

How to Apply?

Step 1: The candidate shall apply for the Internship 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.

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 **larpmadmin@larpm.in** with supportive documents on or before **21.12.2023**.

Note: Program Brochure, Application form & NOC certificate available in our website: https://www.cipet.gov.in/job-opportunities/contractual_positions.php

Selection Process

Selection of participants will be done by the concerned department of the organizing institute based on Academic performance. Selected candidate will be informed only through email.

Event Organizer

Dr. B. SARAVANAKUMAR

Jr. Scientist

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Details of Internship

- Duration: **01.01.2024 to 29.02.2024**
- Venue: **CIPET: SARP-LARPM, Bhubaneswar, Odisha**
- Number of Positions: **5**
- Submission Deadline: **21/12/2023**
- Only shortlisted students shall be communicated through email.
- **No stipend** will be provided for the internship.
- Certificate will be provided to the participants after the successful completion of the internship tenure (Submission of work report).