Inviting Applications for Vritika Research Internship (Training and Skill Internship) Scheme-2021

Duration: 03.01.2022 to 03.03.2022

Place: CIPET: SARP-LARM, Bhubaneswar

Title: Training for Expertise in Fabrication and Characterization of 3D Printable Filaments for Electronics Application

Scope of the Program "Vritika":

'Vritika' is the call for initiation and practice in science through Training and Skill Internship. This program aims to create strong interest towards scientific and engineering research and to provide technical insight in the field of Science & Engineering through this internship. These internships will primarily be facilitated by organizations/ institutions/ laboratories of national importance.

CIPET:SARP-LARM: LARM is an exclusive R&D wing of CIPET, established at Bhubaneswar, Odisha, to promote advanced technological innovations. The laboratory has state-of-art infrastructure, instrumentation and facilities to undertake various developmental activities, imparting various research ventures in the broad area of nanostructured polymers, polymer processing, composite materials, coatings, waste to recycle, energy conversion and storage etc. In particular, our group focuses on the development of materials for energy conversion and storage devices.

Programme Objective:

This internship program aims to develop a skill on additive manufacturing technologies for internship PG students from universities/colleges/institutes. The internship program will provide them opportunities to know a broad view about materials background and fabrication, basic knowledge of different 3D printing technologies, hands-on training on various compounding techniques, filament extrusion process and its characterization. The internship students will also gain basic knowledge and training on designing software and data analysis of various characterization tools like physiochemical, mechanical, thermal,, electrochemical and electrical testing, etc.

Who can Apply?

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

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 the 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 larpmcipet@larpm.in with supportive documents on or before 22.12.2021.

Nature of support:

- The internship will be given for meeting 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 to the host institute from their hometown/home institute, both ways, as per Govt norms.

Selection Process:

Selection of interns will be done by the concerned department of the organizing institute:

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 shall be intimated through email.

Terms and condition:

- The supervisor to whom the interns are assigned would be assigning them tasks/ assignments as per the research modules designed.
- The intern should work accordingly and prepare a work report to be submitted after completion of the internship.
- Interns 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 intern without permission of the concerned authority.
- The intern should be abide by the rules and regulations of the institution and laboratory protocols.
- The internship period shall not be extending beyond 2 months.

Details of Internship:

- Duration: 3/1/2022 to 3/3/2022
- Venue: CIPET: SARP-LARM, Bhubaneswar, Odisha
- Number of Internships: 05
- Registration Deadline: 22/12/2021
- Only shortlisted students shall be communicated through email.
- Reporting date for selected candidates: 3/1/2022
- No stipend will be provided for the internship.
- Certificate will be provided to the interns after the successful completion of the internship tenure (Submission of work report)

Event Organizer:

Dr. R. Ananthakumar, Jr. Scientist
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