





IIITDM Kancheepuram

Inviting Applications for Internships under AV-VRITIKA Scheme-2023

Thrust Areas: Nanofibers, steam electrolysis, tape-casting, core-shell structure.



About IIITDM Kancheepuram

IIITDM Kancheepuram is an Institute of National Importance established by the Ministry of Education, Government of India to pursue design and manufacturing-oriented engineering education and research. The Institute offers B.Tech., M.Tech., M.Des programs, and PhD programs in Engineering, Interdisciplinary Product Design, and core and applied areas of basic sciences, Mathematics, and Physics.

About VRITIKA Research Internship Scheme

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. These internships will primarily be facilitated by organizations/ institutions/ laboratories of national importance. For further details, visit the following link: https://acceleratevigyan.gov.in/programs/abhyas/vritika

About the Internship

Title: Nanofiber-based electrodes for steam electrolysis (NESE)

Switching to green hydrogen, produced through electrolysis of steam/water using renewable energy is one of the ways to reduce emissions. Soon, green hydrogen as an energy carrier will play a crucial role in deep decarbonization of many sectors such as iron ore and steel, fertilizers, refining, methanol, and maritime shipping, which emit major amounts of CO₂. Thus, this internship is aimed at attracting young talents to work on sustainable energy sources such as green hydrogen produced through steam electrolysis. The experiments are designed in such a way that the interns will get a comprehensive idea on challenges in achieving green hydrogen targets and will also learn ways to address them.

Internship Details:

Duration: Dec. 18, 2023 to Feb. 15, 2023 (60 Days)

Place of Internship: IIITDM Kancheepuram, Chennai-600127

Number of Internships: 05

Reporting Date for Selected Candidates: On or before Dec. 18, 2023

- No Stipend will be provided for the Internship.
- Boarding, lodging expenses for the internship period, other contingency expenditures and travel as approved under Vritika scheme will be provided.
- Certificate will be provided to the interns after the successful completion of the internship tenure.

Application Details:

Who can Apply? PG level (M.Sc./M.Tech/DD in Physics or Chemistry/ Related disciplines) students, UG final year students, Ph.D. Scholar (up to 2^{nd} year) pursuing their degree from University / Institution within India.

How to Apply? Please fill the google form: Link: https://forms.gle/No5xJrV2ULjzZ9N38

Deadline for Application Submission: Dec. 15, 2023,

Shortlisted candidates shall be intimated via email on Dec. 15, 2023.

Address for Correspondence:

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