

IIITDM Kancheepuram

Inviting Applications for Internships under ACCELERATE VIGYAN VRITIKA Scheme

ABOUT IIITDM KANCHEEPURAM

IIITDM Kancheepuram is an Institute of National Importance established by the Ministry of Education, GoI to pursue design and manufacturing-oriented engineering education and research. The Institute offers B Tech, M Tech, MDes, and PhD programmes in the area of Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Interdisciplinary Product Design, Mathematics, Physics, English, and Bio- Medical Engineering .



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 links: <https://acceleratevigyan.gov.in/programs/abhyas/vritika> & <http://serb.gov.in/abhyaas.php>



ABOUT THE INTERNSHIP

Project Title: **Data-Driven Microstructure**

Prediction for Powder Bed Fusion Process

Short description of internship: This internship will provide opportunities for potential future researchers to explore the application of AI and Machine learning techniques to predict microstructure and conduct experiments with AM machines to characterize the additively manufactured samples for process-structure-property linkages. This internship will expose students to experimental methods and computational techniques for microstructure prediction.

INTERNSHIP DETAILS

Duration: Jan 2024 – Feb 2024 (Tentative)

Venue: IIITDM Kancheepuram

Number of Interns Required: 5

- No Stipend will be provided for the Internship.
- Boarding, Lodging Expenditures, and other expenditures incurred as part of internship for consumables, travel, etc. shall be supported as per VRITIKA Scheme.
- Internship certificate will be provided to the successfully completed interns.

CONTACT DETAILS

Dr. Senthilkumaran Kumaraguru
Associate Professor,
Dept. of Mechanical Engineering,
IIITDM Kancheepuram
off Vandalur-Kelambakkam Road
Chennai- 600127
Email: skumaran@iiitdm.ac.in
Telephone: (044) 2747 6364

APPLICATION DETAILS

Eligibility: PG level (M.Tech/M.E/DD) students, B.Tech/BE fourth year students pursuing their degree from University/ Institution within India.

Internship Application Form: Please fill the google form <https://forms.gle/VvcvThCcEFfom218>

Deadline for Application: Dec 26, 2023 (Shortlisted candidates shall be intimated on or before Dec 29, 2023)

Candidates having prior knowledge in material science, data science and additive manufacturing will be preferred.