

Inviting Applications for ATDDD'23 Internship under AV VRITIKA Scheme-2023

About IIITDM Kancheepuram

IIITDM Kancheepuram, a centrally funded institute offers UG and PG programs in computer, electronics and mechanical engineering with the mandate of excelling in IT and IT enabled Design & Manufacturing pedagogy and research. B.Tech, M.Tech, in core areas of engineering and specializations such as M.Tech (Data Science & AI), B.Tech CSE with specialization in Artificial Intelligence etc. are offered by us. Curricula for these programmes augment engineering domain with relevant design & manufacturing skills. More details at www.iiitdm.ac.in

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

ASSISTIVE TOOLS FOR DISEASE DETECTION AND DIAGNOSIS FROM MEDICAL IMAGING (ATDDD '23)

The proposed internship programme is in the area medical imaging. Medical Imaging is one of the most important and challenging problems in the image processing field. In this program one can learn about development of assistive tools which can help to improve accuracy for large scaling in near real time.

Assistive Tools for Disease Detection and Diagnosis from Medical Imaging :

- Disease Detection
- Segmentation
- Disease classification
- Image generation for data augmentation
- Representation of Medical Images
- Knowledge about data collection

Internship Details

- ❖ **Duration:** June 01 2023 to July 31 2023 (60 days)
- ❖ **Place of Internship:** IIITDM Kancheepuram, Chennai
- ❖ **Required Number of Interns:** 05
- ❖ **Reporting Date for Selected Candidates:** June 01 2023
- ❖ No Stipend will be provided for the Internship. Boarding and Lodging Expenditures, and other expenditures incurred as part of internship for consumables, travel, etc. shall be supported as per the Scheme Approval of SERB -AV VRITIKA.
- ❖ **Certificate will be provided to the interns after the successful completion of the internship tenure.**

Who can Apply?

- ❖ Regular PG-Level Students who are currently pursuing their degree from Institutions within India.
- ❖ The Intern should be interested/knowledgeable in python with PyTorch.

How to Apply?

- ❖ The candidate shall apply by filling out the given google form.
- ❖ <https://forms.gle/mHy7MnGBp7byVEVt6>
- ❖ Deadline for Application: 25th May 2023
- ❖ Shortlisted candidates shall be intimated via email on or before 28th May 2023.

Selection Process

- ❖ Based on applicant profile merit
- ❖ Candidates with prior research exposure, area match and performance in national level exams will be prioritized.
- ❖ Consistent Good Academic Record

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