

# IIITDM Kancheepuram

## Call for Summer Research Internship Under Accelerate Vigyan - Vritika

### Artificial Intelligence in Wearable Healthcare Devices

#### 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, Dual Degree courses specializing in VLSI, Systems Design, etc. and Ph.D programmes in core areas of engineering are offered by us. Curricula for these programmes augment engineering domain with relevant design & manufacturing skills. More details at [www.iiitdm.ac.in](http://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 Programme

The Internship will focus on the application of Artificial Intelligence in Wearable devices. Wearables are devices that can be worn as accessories, embedded in clothing, or implanted in the user's body. Wearable technology has invaded our day to day lives owing to its miniaturization. Artificial Intelligence pushes the envelope further by enabling devices to envision the health and wellbeing with useful insights. The advantage of integrating Artificial Intelligence with wearable technology has the potential to analyze wide range of valuable data there by aid in continuous health monitoring. The aim of this internship is to provide hands-on-experience with Machine learning and Deep Learning Techniques in extracting valuable information from wearable devices.

#### Internship Details

- **Duration:** Feb 2023 to Mar 2023
- **Place of Internship:** IIITDM Kancheepuram, Chennai-600127
- **Number of Internships offered:** 05
- **Reporting Date for Selected Candidates:** On or before 10 Feb 2023
- No Stipend will be provided for the Internship.
- Boarding, Lodging expenses for the internship period and other contingency expenditures as approved under Vritika scheme will be provided.
- Certificate will be provided to the interns after the successful completion of the internship tenure.

#### Who can Apply?

- Regular PG-Level (ECE/ CSE/ IT/ BME/ Related Disciplines) Students who are currently pursuing their degree from Institutions within India.
- **Specialization:** The Intern should be knowledgeable in the basics of Machine learning and Deep Learning techniques. Experience in related projects is desirable

#### How to Apply?

- The candidate shall apply by filling out the given google form. <https://forms.gle/XNLKEbNePvtY3UaV6>
- **Deadline for Application Submission:** 08<sup>th</sup> Feb 2023
- Shortlisted candidates shall be intimated via email on or before 9<sup>th</sup> Feb 2023

#### Address for Correspondence:

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