



IIITDM Kancheepuram



Internship program on Bio-inspiration and photonics for product development Under VRITIKA-2022

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 and to promote the competitive advantage of Indian products in global markets. The Institute offers B Tech, M Tech and M Des programmes and PhD programmes in Computer Science and Engineering, Electronics and Communication Engineering, Mechanical Engineering, Interdisciplinary Product Design, Mathematics, Physics and English.

About VRITIKA (Training and Skill Internship)

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.

Objective and scope of this internship programme:

The internship is intended to imbibe the bio-inspiration and photonics experimental skills such as usage of machinery to create form, electronic circuit building to realize functions, photonics instrument usage to define sensors for a specific behaviour. Altogether, student learns basic experimental techniques to realize a cyber physical products (for medical and machine diagnostic applications), inspired by form, functions and behaviours of natural systems. During this process of training, we also encourage them to understand nature in terms of Design, engineering and science principles, and to realize a very simple device inspired by nature using the above mentioned experimental techniques.

Who can apply ?

Regular PG level (MTech/M.E./M.Sc) students, Ph.D scholar pursuing their degree from University / Institution within India.

How to apply ?

Candidate can apply by filling the following Google form:
https://forms.gle/Pr2WE2Q7fdBU_sLCo7

Important dates

Last date for submission: **12th June 2022**
Online interview: **13th June 2022**
Announcement of selected candidates : **14th June 2022**
Reporting date: **15th/16th June 2022**
Internship duration: **15th June to 15th August 2022**

Internship details

- Place of Internship: BiRD & PDS Laboratory, www.birdlab.in , IIITDM Kancheepuram.
- Number of Internships will be offered: **5**
- Board and Lodging expenses for the internship period and other contingency expenditures will be provided as approved under VRITIKA scheme.
- Certificate will be provided to the interns after the successful completion of the internship tenure as per guidelines of VRITIKA scheme.

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