



# Department of Mechanical Engineering IIITDM Kancheepuram

Invites Applications for One Month (4<sup>th</sup> ~ 31<sup>st</sup> Dec 2023)

Internship on

## COMPUTER AIDED DESIGN and MANUFACTURING IN BIOMEDICAL DEVICE DEVELOPMENT

UNDER ACCELERATE VIGYAN - VRITIKA (2023)

### About the Institute

Indian Institute of Information Technology Design and Manufacturing (IIITDM) Kancheepuram is a public institution established in 2007 by the Ministry of Education, Government of India to pursue design and manufacturing-oriented engineering education and research. IIITDM Kancheepuram is declared as an Institute of National Importance (INI) by Government of India.

The Institute is presently offering B. Tech. programmes in Computer Engineering, Electronics and Communication Engineering, Mechanical Engineering and Smart Manufacturing, 5 Dual Degree Programmes leading to B. Tech and M. Tech Degrees, and M. Des. in Electronic Systems Design, Communication Systems Design, Smart Manufacturing, and Mechanical Systems Design. The institute also offers Ph. D. programmes in core and applied areas of engineering.

### About the Department

Department of Mechanical Engineering is one of the oldest departments of IIITDM and has grown into its current status with specializations in all the major areas of Mechanical Engineering. It is the broadest of all engineering disciplines, and interdisciplinary work is key to our department's success. Our flexible curriculum focuses on IT enabled design and manufacturing catering to the needs of the 21<sup>st</sup> Century.

### About the Internship

The proposed one month internship on Computer-Aided Design and Manufacturing (CAD/CAM) in biomedical device development offers an opportunity to learn fundamentals of the CAD/CAM technologies and their applications in solving the healthcare problems via engineering principles. Some of the contents planned for the internship are concepts of computer aided design, reverse engineering methodology in biomedical, medical image based modelling, concepts of computer aided manufacturing, application of computer numerical machine, additive manufacturing and finite element analysis in biomedical device development with case studies.

### About the VRITIKA Scheme

Accelerate Vigyan (AV) is a strengthened mechanism of identifying research potential, mentoring and training on a broad-based national scale. VRITIKA is the training and skill development initiative of AV to create the opportunities for students. It aims to foster technological advancement and cultivate a supportive environment for pioneering ideas and solutions. This program aims to provide opportunities to PG and 4<sup>th</sup> year UG students from universities and colleges to get exposure and hands-on research skill development experience.



### Course Duration

04<sup>th</sup>- 31<sup>st</sup> Dec 2023 (28 Days) on campus  
Number of Internship Vacancies: 5

**Venue : Advanced Manufacturing Lab (L011)**



### Eligibility

Students pursuing PG (M.E / M. Tech / DD) and 4<sup>th</sup> year UG (BE / B. Tech) in engineering.

### Details

- Reporting Date: 04<sup>th</sup> Dec. 2023 at 8 : 00 AM
- Under the VRITIKA scheme boarding, lodging, TA, stationary, and consumables will be covered as per the rule.
- However, no stipend will be paid during internship.

### For Registration

- Click the link or scan the QR and fill in the form

<https://forms.gle/2aq5NdHoDPhs9Qjt7>

**Last date for Registration: 1/12/2023**

Certificates will be provided to participants



### Event Organizer

**Dr. P. Pandithevan**

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<http://surl.li/nvxn>



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