



Office of International Relations  
Indian Institute of Technology Kharagpur

Student Undertaking to Apply for Foreign Internship

| Section A: Applicant details (to be filled in by student)                  |  |                                       |                    |
|--|--|---------------------------------------|--------------------|
| Name :   | ANANTHA PADMANABHAN H  |                                       |                    |
| Roll Number:   | 23CR60R03  | Degree enrolled in:                   | M.Tech             |
| Department/School/ Centre:   | CRYOGENIC ENGINEERING CENTRE   | Expected date of graduation:          | April 2025         |
| Proposed Foreign internship details (to be filled in by student)           |  |                                       |                    |
| Host organization (university/ laboratory) with full address               | University of Lille, France, Unité de Mécanique de Lille, UML 7512, France   |                                       |                    |
| Name, title, contact of supervisor/mentor (if available)                   | En Prof. Enrico Calzavara, Asst. Professor. University of Lille and Polytech' lille email: enrico.calzavara@univ-lille.fr  |                                       |                    |
| Title of project/ Name of activity:  | Ice phase change process with turbulent flow.  |                                       |                    |
| Start date of internship:  | 2nd May 2024   | End date of internship :              | 2nd July 2024      |
| Source of funding & other support (self/ scholarship):                     | Agency   | Amount awarded                        | Amount applied for |
|  | Institute Français. Charpak Lab. Scholarship   | € 700 PM                              | € 700 PM           |
| Undertaking by student:  | <ul style="list-style-type: none"><li>My internship does not violate any academic schedule or policy of IIT Kharagpur. I take full responsibility for my conduct during my visit and agree to strictly follow all guidelines laid down by my host university and host country and I understand that I am answerable to the Dean IR and Dean SA in case of any misconduct that may harm the Institute's reputation.</li><li>Once I accept the offer of an internship, I shall not renege on my acceptance, nor accept any other offer for internship from CDC/ Dept/ Any other source.</li><li>I shall keep OIR &amp; CDC informed about internship offers I receive/accept/decline.</li><li>Failure to comply with the above may adversely affect my placement opportunities</li></ul> |                                       |                    |
| Post completion requirements (if any):                                     | The student has to submit a report duly endorsed by the internship supervisor and make presentation *  |                                       |                    |
| I am using this form for (tick one):                                       | An application made through OIR or FTP   | Requesting NOC from Assoc. Dean AA&IR | Other (specify):   |
| Signature of student with date:  | Ananta 06-02-24  |                                       |                    |
| Section B: Departmental Approval (to be filled in by Dept./School/ Centre) |  |                                       |                    |
| Faculty Advisor (signature with date):                                     | Rambhadr 7/2/24  |                                       |                    |
| Head of Dept/ School/ Centre (signature with seal and date):               | [Signature] 07/02/2024   |                                       |                    |
| Section C: Institute Approval  |  |                                       |                    |
| Chairperson CDC (signature with seal and date):                            | [Signature] 07.02.24<br>Cryogenic Engineering Centre<br>भा प्रो सं खड़गपुर/IIT Kharagpur<br>Chairman, CDC  |                                       |                    |
| Assoc. Dean IR (signature with seal and date):                             | [Signature] 07/2/24<br>सह-संकायध्यक्ष, पूर्वोत्तर मामले एवं अंतराष्ट्रीय संबंध<br>Associate Dean, Alumni Affairs and International Relations<br>भारतीय प्रौद्योगिकी संस्थान खड़गपुर<br>Indian Institute of Technology Kharagpur  |                                       |                    |

Original copy received

\* in the centre for evaluation as stipulated by the PG Curriculum of IIT Kharagpur.

# FRANCE EXCELLENCE CHARPAK LAB SCHOLARSHIP



ÉTUDIANTS, CHERCHEURS

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#Bourse et Financement

## CHARPAK LAB SCHOLARSHIP

### ABOUT THE SCHOLARSHIP

This program is designed for Indian students enrolled in an Indian institution at the Bachelor's or Master's degree level, planning to undertake an internship /research project at a French laboratory or institution during their academic break (between May and August).

### BENEFITS

The scholarship covers the following benefits

- Monthly stipend of 700 euros for maximum 2 months (preferably between May and August) provided by the French Institute in India
- Student visa
- Etudes en France fee waiver (if applicable)

Note:

- The scholarship does **NOT** cover medical or travel expenses, travel insurance or accommodation assistance
- The students can opt for internship for more than 2 months, However, the Embassy will provide benefits for a maximum of 2 months. For any exceeding duration, the expenses will have to be borne by the awardee.

### ELIGIBILITY

The applicant must:

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- be an Indian national residing in India at the time of application
- not be more than 30 years old at the time of application
- be enrolled in an Indian institution of higher learning at Bachelor's/Master's level at the time of application
- be in possession of an admission/acceptance letter from a French laboratory or institution where the research internship/project will be carried out. *Candidates must approach the laboratory or institution on their own, as per their research interests before applying for the scholarship.*
- the duration of the research internship/project must not be less than 1 month and must not exceed 2 months. If the duration exceeds 2 months, the awardees will have to cover the expenses for rest of the duration by themselves.

## ONLINE APPLICATION PROCEDURE

Interested candidates must submit their application on the online scholarship portal <http://ifi.scholarship.ifindia.in/> along with the following documents:

- Recent photograph (a professional portrait photo and preferably in JPG format)
- Scanned copy of the first page of your passport (with photo and expiry date). If you will be getting your passport after the deadline, please attach passport application proof.
- Curriculum Vitae (maximum 2 pages)
- No objection certificate (NOC) from the Indian university attesting to your status as a student and declaring that it has no issues with you doing an internship or research project in France  
<<https://www.inde.campusfrance.org/system/files/medias/documents/2021-12/NOC%20format%20Charpak%20Lab.docx>>  
<<https://www.inde.campusfrance.org/system/files/medias/documents/2021-12/NOC%20format%20Charpak%20Lab.docx>>  
NOC format Charpak Lab.docx
- Scanned copies of mark sheets and degree of Higher Secondary School (XII), Bachelor's and Master's degrees (including those of completed semesters of the ongoing degree)
- French language certificate, if any (DELF/DALF)
- Scanned copy of your invitation letter from the French higher education institution / laboratory. The invitation letter must mention the exact duration of your internship/research project. If you have not received the letter before the deadline, you can attach an email correspondence to prove that you will get it later.  
<<https://www.inde.campusfrance.org/system/files/medias/documents/2021-12/Invitation%20letter%20format%20Charpak%20Lab.docx>>  
<<https://www.inde.campusfrance.org/system/files/medias/documents/2021-12/Invitation%20letter%20format%20Charpak%20Lab.docx>>  
Invitation letter format Charpak Lab.docx
- Document of employment / internship record, if any
- Letter(s) of recommendation from the current Indian university- Maximum 2 (optional)

The letter(s) of recommendation should be submitted as scanned copies of the original typed and signed paper letters. They have to include the signature and the contact details of the referee, and (if possible) should be on headed paper of the institution and bear a stamp of the institution.

**Note:** All the above documents must be in pdf or jpeg format (word, rtf, odt, txt, msg documents, zip folders, screenshots or scans of social media are NOT acceptable). Applications submitted without required

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## SELECTION PROCEDURE

The application will be selected on the basis of academic excellence as well as the consistence and quality of the candidate's statement of purpose. There is no CGPA/ Percentage cut off for the scholarship. Knowledge of French language will be an asset but is not mandatory.

The French embassy is not obliged to respond to candidates whose applications are not considered for the scholarship award.

## TIMELINE

- **Start Date of the application:** 13 December 2023
- **End Date of the application:** 13 February 2024 (23:59 IST)
- **Result declaration:** Last week of March 2024

Applicants will be notified via email when the results are released.

## QUESTIONS/ASSISTANCE

If you have questions regarding the Charpak scholarship program, please contact us by e-mail:





Object: Acceptance letter for Research internship at the *University of Lille, Unité de Mécanique de Lille – J. Boussinesq (UML) ULR 7512*.

To whom it may concern

It is my pleasure to support Mr. Anantha Padmanabhan H. a 1st Year Masters (MTech) in Cryogenic Engineering student at Indian Institute of Technology Kharagpur in my research group at the laboratory Unité de Mécanique de Lille – J. Boussinesq (UML) ULR 7512 in University of Lille (France) for a summer internship from May 2nd 2024 to July 12<sup>th</sup> 2024 under Charpak Lab scholarship.

I will be pleased to welcome Anantha Padmanabhan in my laboratory in order to develop research on fluid dynamics numerical simulations of the ice phase-change process in contact with turbulent flows. During this internship, Anantha will learn fluid dynamics modelling techniques based on the lattice Boltzmann method. He will be initiated into high-performance numerical simulation and participate in the analysis and interpretation of data. He will participate in the life of the research laboratory, interacting with researchers, PhD students and other internship students. He will attend seminars and conferences organized at our institute.

During his stay, he will be provided with office space in the laboratory building and numerical computing equipment.

Enrico Calzavarini

Maître de Conférences (Ass. Professor)

University of Lille and Polytech'Lille

Unité de Mécanique de Lille – J. Boussinesq (UML) ULR 7512

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