



# **GLOBAL ENGAGEMENT**

## **Indian Institute of Technology Madras**

Uniting Minds, Expanding Horizons,  
Your Gateway to Global Excellence



## About Indian Institute of Technology Madras (IITM)

The Indian Institute of Technology Madras (IITM) is a distinguished technical institution in Chennai, Tamil Nadu, India. Established in 1959 with support from the former government of West Germany, IITM is the third IIT established by the Government of India (GoI). With its commitment to excellence in education and research, IITM is a beacon of innovation and academic leadership in engineering and technology – both nationally and internationally. Over the years, IIT Madras has been recognised as one of the eight Institutes of Eminence in India. Since 2016, IITM has retained the top honours in Indian Higher Education as per the National Institutional Ranking Framework (NIRF).

**# 1**

Overall best university in India NIRF

**# 1**

Engineering Institute in India NIRF

**# 227**

QS World University Ranking

**# 56**

QS Asian University Rankings

## About Office of Global Engagement (OGE)

The Office of Global Engagement (OGE) at the Indian Institute of Technology Madras (IIT Madras) is dedicated to expanding the institution's global footprint and fostering collaborative partnerships worldwide through faculty and student exchange programs, joint research initiatives, and international conferences.

- ▶ **International Partnerships**
- ▶ **International Academic Programs**
- ▶ **Institute of Eminence (IoE)**
- ▶ **International Conference Secretariat**





# Departments




## Engineering

-  Aerospace Engineering
-  Applied Mechanics and Biomedical
-  Engineering
-  Biotechnology
-  Chemical Engineering
-  Civil Engineering
-  Computer Science and Engineering
-  Data Science & AI
-  Electrical Engineering
-  Engineering Design
-  Mechanical Engineering
-  Medical Sciences and Technology
-  Metallurgical and Materials Engineering
-  Ocean Engineering

## Newly Established Schools

-  School of Sustainability
-  Wadhvani School of Data Science & AI

## Science

-  Mathematics
-  Physics
-  Chemistry

## Others

-  Humanities & Social Sciences
-  Management Studies



Campus  
**620 Acres**



Departments  
**18**



Faculties  
**600 +**



Students  
**10000 +**



Alumni  
**78000 +**

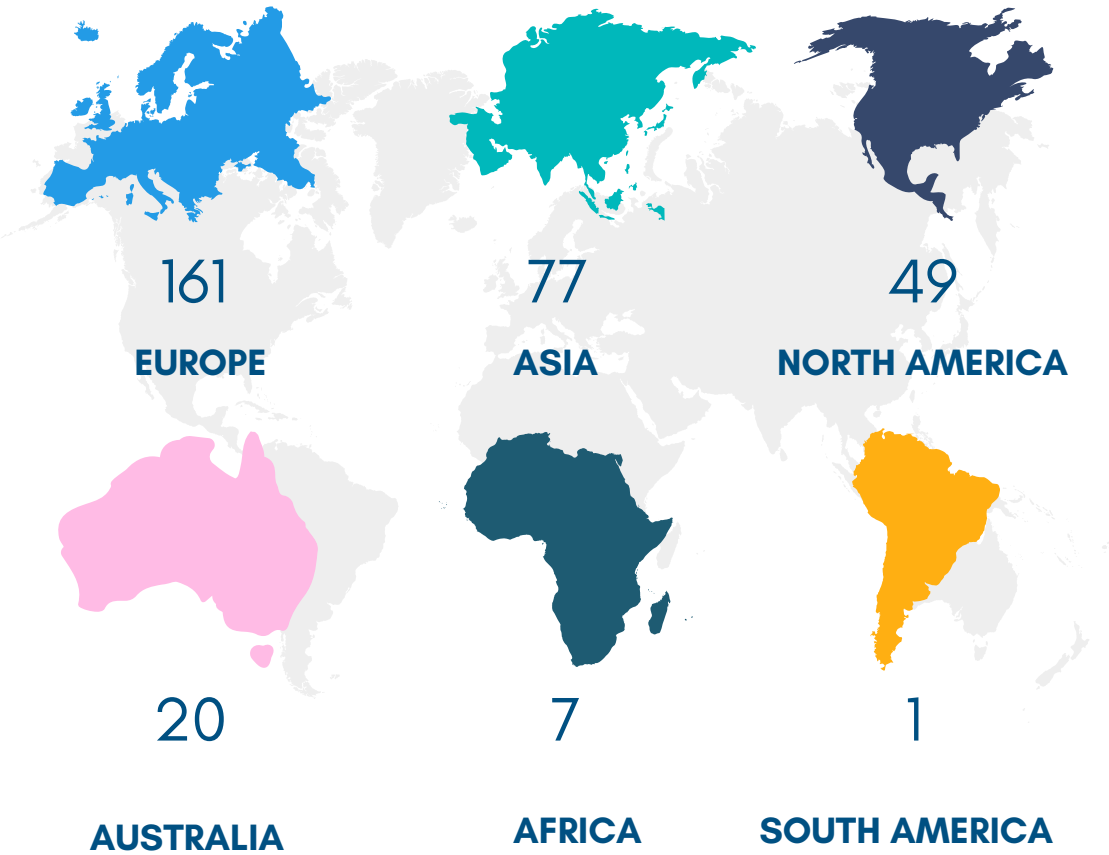


Online Degree  
Students **16000 +**



# International Partnerships

## MoU Partners







## **Funding Opportunities**

The OGE strives to provide students and faculty mobility through financial assistance under various grants/scholarships. It fuels international collaborations and research initiatives.

### **OGE Travel Grant**

**Eligibility:** IITM Students/Scholars

The OGE Travel Grant program is designed to support IITM students in their academic and research endeavors to engage with the global community. This grant can be used to cover travel expenses (to and from the international institute), registration fees, accommodation cost etc.

### **International Immersion Experience (IIE)**

**Eligibility:** IITM PhD Scholars

The IIE program aims to facilitate highly motivated PhD scholars who work on advanced research at IIT Madras to travel abroad to pursue their research. It also supports incoming international scholars to IITM. IIE Award is committed to providing partial financial support to students who can benefit from international exchanges. By doing this, we aim to push our best students beyond borders and increase their exposure to international research.



## **Jointly Funded Bilateral Mobility Program (JFBMP)**

**Eligibility:** IITM Faculty and Scholars

The JFBMP facilitates the mobility of researchers from both IITM & partner universities. The program presents an opportunity to explore bilateral regional grants. It also serves as a platform to establish long-term international collaborations through Joint Masters/Doctoral programs with highly reputed foreign institutes.

## **High-Risk High Reward (HRHR)**

**Eligibility:** IITM faculty

The HRHR Mobility Grant is a program with IIT Madras valued strategic partners. This program aims to enhance our collaborations with institutes of global repute through attractive mobility funding for students and faculty. This program provides a platform for long-term research engagement, which leads to top-quality peer-reviewed joint publications.

## **Young International Faculty Award (YIF)**

**Eligibility:** International Faculty

The YIF aims to recruit recent doctorates and post-doctoral fellows from renowned universities across the globe as full-time foreign faculty (non-Indian citizens/non-OCIs) at the equivalent level of Assistant Professor in IIT Madras.



# International Academic Programs

International Academic Programs typically refer to academic initiatives with research laboratories and academic institutions. These initiatives often aim to foster academic exchange, student mobility, and joint educational programs. Several of our offerings are also open to international students wishing to pursue their degree programs at IIT Madras.

## Inbound

The inbound team oversees all academic programs for international students, from admission to graduation. Additionally, we organise study tours, cultural trips, and programs to enhance students' academic and cultural experiences. The team manages short-term mobility, full-time programs, research scholars, and semester exchange students coming to IITM. They serve as the primary point of contact for all international students at IITM.

## Outbound

The outbound team oversees all international academic programs for students and faculty at IIT Madras. We assist them in participating in various programs abroad, such as semester exchanges, internships/fellowships, summer/winter schools, international research experience, international conferences, and research projects. We also organize joint programs with international institutions and organisations to support academic and professional endeavors.



### Full time programs

Interdisciplinary MTech  
& Joint Masters



### Research

PhD, Joint Doctoral Programs,  
MS Research



### Short Programs

Exchange, Internships,  
Summer/Winter Schools



## **International Interdisciplinary Masters Programs for International Students (I2MP)**

The I2MP is a two-year Masters program designed for international students studying science and engineering. Students can select one among the ten interdisciplinary programs available at IIT Madras. These programs feature advanced curricula promoting collaboration among different departments. Students have the chance to conduct their project work alongside our industry partners.

### **Master of Technology (MTech)**

The two-year MTech Program is open to international students who have completed a four-year Bachelors degree or a five-year Masters in science. It is available in twelve engineering departments at IIT Madras.

### **Master of Arts (MA) in Humanities and Social Sciences**

The Department of Humanities and Social Sciences (HSS) offers an M.A. program in three disciplines to international students. These two-year Masters programs equip students to develop expertise in the following disciplines:

- Development Studies
- Economics
- English Studies

### **Master of Science (MS)**

The Departments of Mathematics, Physics, and Chemistry at IITM offer an MS program to international students. These two-year Masters programs provide ample opportunities for students to interact with and learn from esteemed faculty members and research scholars. These programs facilitate student engagement with the scientific environment.



University of Birmingham, UK



Kathmandu University, Nepal



TU - Dresden, Germany



RWTH Aachen, Germany



## Joint Master Programs (JMP)

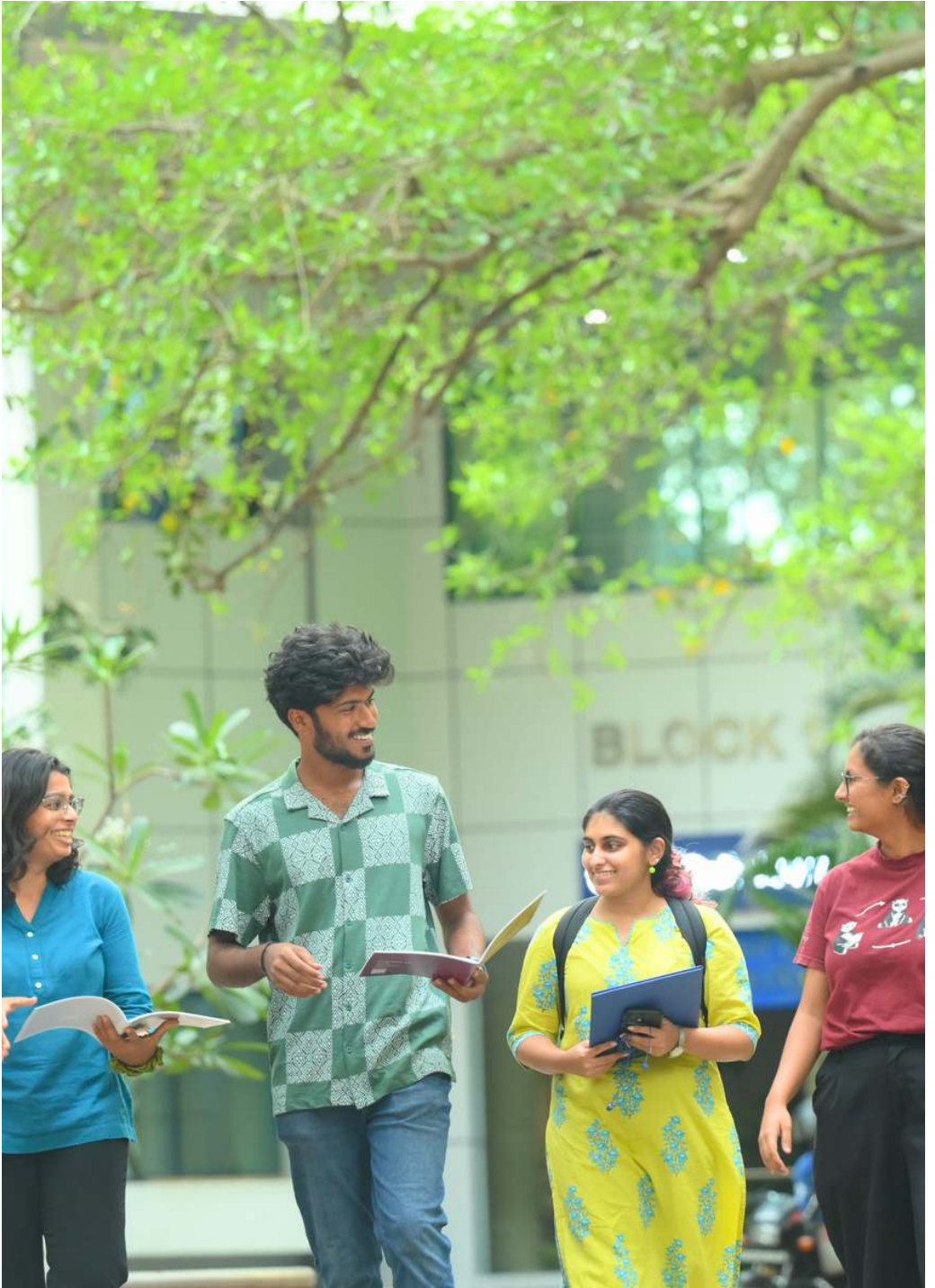
The JMP allows students to pursue their career with international universities for their Masters degree. It lasts from 18 months to 2 years, depending on the curriculum. Students can study both at IITM (India) and partner universities (abroad), allowing them to explore academia at home and abroad. Each student is supervised by faculty from IITM and partner institutions, earning them a joint Masters degree.

Data Science & AI  
University of Birmingham, UK

Sustainable Energy Systems  
University of Birmingham, UK

Energy Systems  
Kathmandu University, Nepal

Water Security & Global Change  
TU-D & RWTH Aachen, Germany



# Joint Doctoral Program (JDP)

The JDP enables PhD candidates to pursue their studies at two institutions. They can study both at IIT Madras (India) and partner universities (abroad), exposing them to research environments in their home country and overseas. Each student is assigned mentors from both institutions, and upon successfully completing the requirements for graduation, they receive a joint PhD degree from both institutions.

## JDP Partners List



Australian  
National  
University



DEAKIN  
UNIVERSITY



Queensland  
University  
of Technology



RWTHAACHEN  
UNIVERSITY



MICHIGAN STATE  
UNIVERSITY



CENTRALE  
NANTES



UNIVERSITÄT  
DUISBURG  
ESSEN



Aalto University



THE UNIVERSITY OF  
MELBOURNE



Curtin University



UTS  
UNIVERSITY  
OF TECHNOLOGY  
SYDNEY



UNIVERSITÄT  
PASSAU



NANYANG  
TECHNOLOGICAL  
UNIVERSITY  
SINGAPORE



SWINBURNE  
UNIVERSITY OF  
TECHNOLOGY



UNIVERSITY  
OF ALBERTA



國立交通大學  
National Chiao Tung University



國立清華大學  
NATIONAL TSING HUA UNIVERSITY



NUS  
National University  
of Singapore



## **Institute of Eminence (IoE)**

The Government of India launched the 'Institute of Eminence' (IoE) scheme to empower Higher Educational Institutions and help them become world-class teaching and research institutions. IIT Madras was granted the 'Institute of Eminence' status in early 2020. As an IoE, IITM has fifteen Centres of Excellence, and the internationalisation activities under IoE enable researchers to collaborate at IITM and travel worldwide to premier research centres, thereby making IITM a global hub of world-class research.

### **IoE Research Initiatives**

In line with our mission to promote world-class research, IIT Madras has identified 68 research initiatives across 21 technology clusters that address diverse fields of contemporary relevance. These initiatives have completed Phase I – two years of proposal execution – and have transitioned into Phase II, which involves executing their long-term plans with dedicated funding. Through an extensive and rigorous review process, we have identified 15 Centres of Excellence within IIT Madras, 23 Research Centres, and 10 Research Projects that have also been funded. These research initiatives encompass a broad spectrum of disciplines and involve the participation of over 400 faculty members.

By fostering interdisciplinary research, these research initiatives facilitate collaborations that can lead to groundbreaking discoveries, innovations, and advancements in critical areas. The goal is to achieve individual research milestones and create an environment of cross-cultural collaboration and learning, fostering overall growth and development.



# IOE - IITM Centres of Excellence



Critical Transitions in Complex Systems



NDE 5.0 Industrial Assets and Process Management



Geophysical Flows Lab



Technologies for Low Carbon and Lean Construction



RF, Analog, and Mixed Signal ICs



Center of Quantum Information, Communication and Computing



Atomistic Modelling and Materials Design



Soft and Biological Matter



Molecular Materials and Functions



Maritime Experiments to Maritime Experience



Healthcare and Assistive Technologies



Sports Science and Analytics



Centre for Cancer Genomics and Molecular Therapeutics



Quantum Center for Diamond and Emergent Materials



Energy Consortium

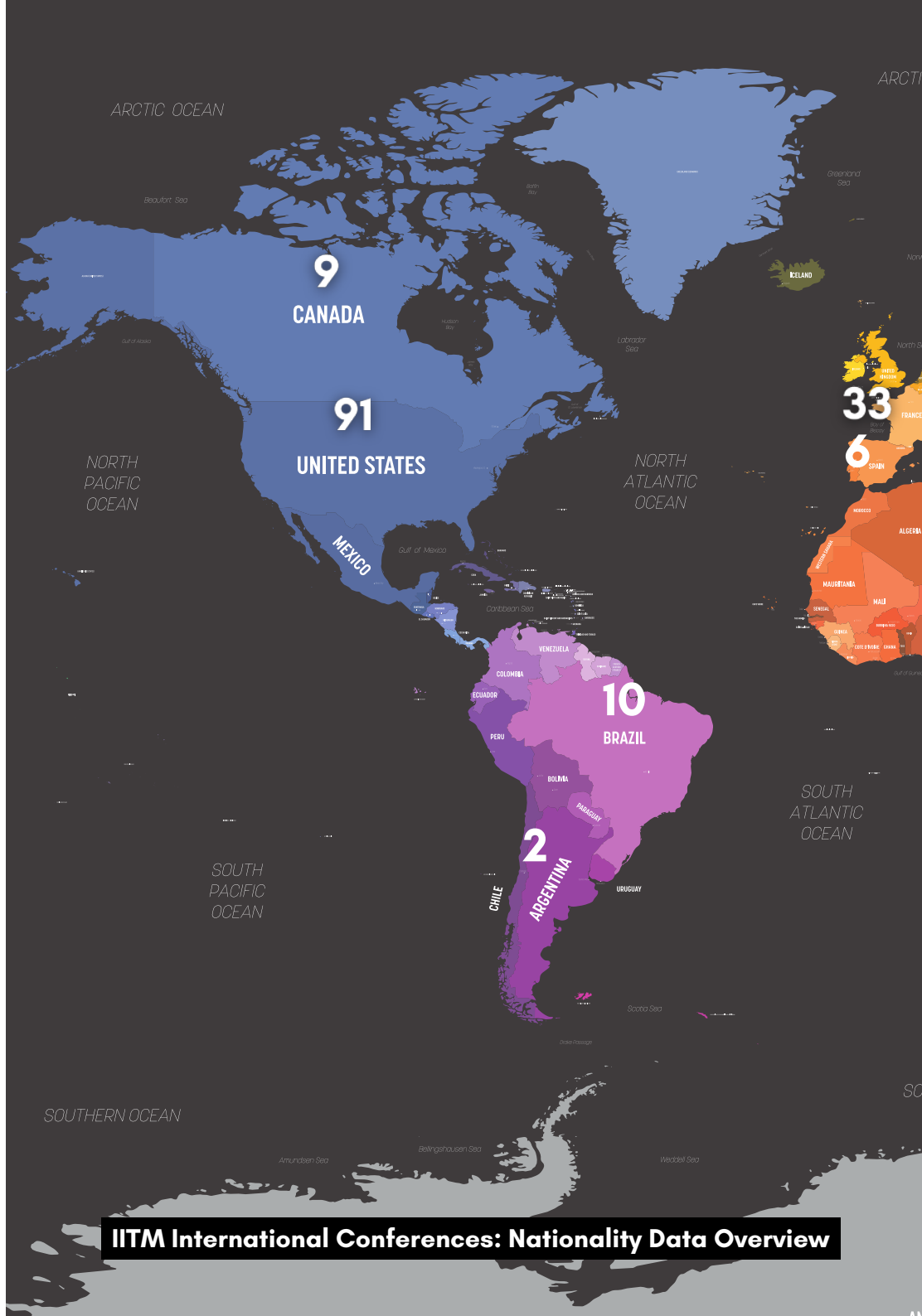




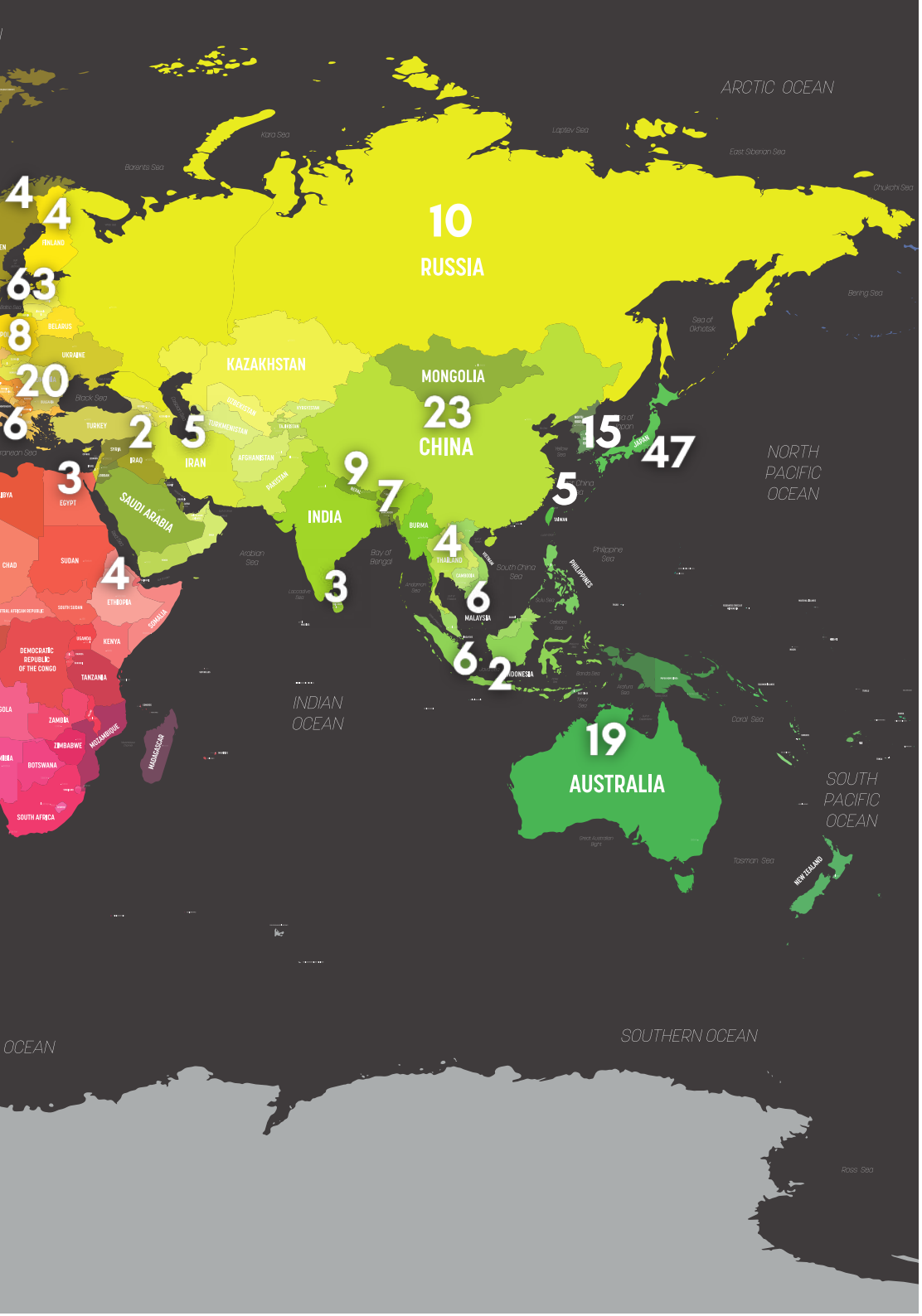
# International Conference Secretariat

The Conference team organises international events like conferences, symposia, workshops, and seminars. We work with government ministries to obtain necessary clearances for international events, provide on-site logistical and financial support through the IoE scheme. Additionally, we conduct Nobel Laureate lectures through the Eminent Speaker lecture series and the Subra Suresh Distinguished Lecture Series.





**IITM International Conferences: Nationality Data Overview**



ARCTIC OCEAN

10  
RUSSIA

23  
CHINA

19  
AUSTRALIA

NORTH  
PACIFIC  
OCEAN

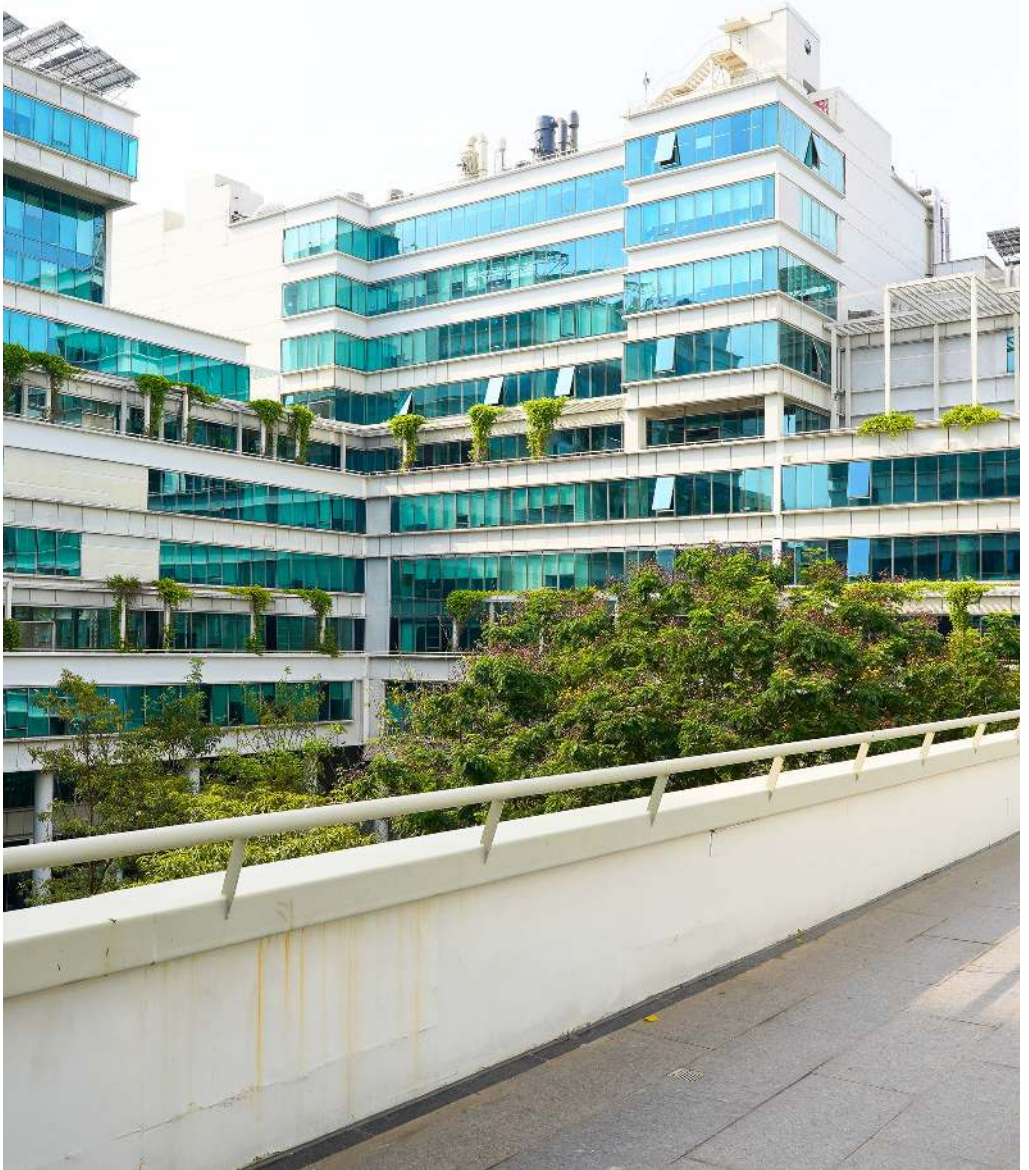
INDIAN  
OCEAN

SOUTH  
PACIFIC  
OCEAN

SOUTHERN OCEAN

OCEAN

Ross Sea



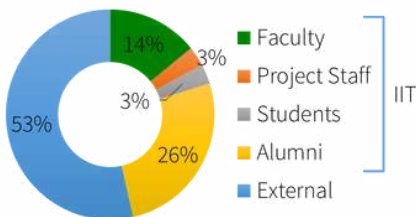
# IITM Research Park

India's first university-based research park fostering collaboration between industry and academia. Located proximate to IIT Madras, the Research Park is a Section 8 not-for-profit company that catalyses young startups and R&D organizations to commercialize their transformative research work and deep-tech innovations for large-scale social and economic impact.

<b>319</b>	<b>106</b>	<b>138</b>
Startups	Startups in the market	Graduates
<b>124</b>	<b>7000+</b>	<b>210+</b>
Incubatees	Jobs created	Patents filed
<b>₹38000 cr</b> (\$4.6b)	<b>₹1870 cr</b> (\$226m)	<b>₹9400 cr</b> (\$1.1b)
Valuation	FY 21-22 revenue	VC/Angel investment

**101** Companies have IITM faculty as founders or minority shareholders

**89** IITM faculty members are founders or minority shareholders



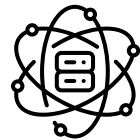
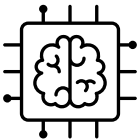




# Indian Institute of Technology Madras Zanzibar

- IIT Madras opened its first international campus in Zanzibar, Tanzania, East Africa.
- The campus offers world-class education, focusing on research, internships, and study abroad programs.
- IITM Zanzibar campus strengthens ties between India and Africa.
- The new campus reflects India's growing interest in Africa and its commitment to education and research collaboration.
- This is a significant step for African students seeking a technical education.

## Programs offered at IITM Zanzibar Campus



**BS in Data Science & Artificial Intelligence**

**M.Tech in Data Science & Artificial Intelligence**

**M.Tech in Ocean Structures**

For More Details

[www.iitmz.ac.in](http://www.iitmz.ac.in)



## **Office Of Global Engagement**

Second Floor, Sudha & Shankar Innovation Hub

Indian Institute of Technology Madras

Chennai, India 600036

deanceoffice@iitm.ac.in | +91 44 2257 8091

