



# IIT MADRAS



Overall best University in India (NIRF)  
Engineering Institute in India (NIRF)  
ATAL Ranking of Institutions on  
Innovation Achievements



QS World University Ranking



QS Asian University Rankings

## FACULTY RECRUITMENT







## WHY CHOOSE IIT MADRAS?

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- **Scenic, Self-Contained Campus** – Experience a 617-acre green campus in the heart of Chennai, equipped with comprehensive on-campus amenities including hospital, schools, and banks.
- **Strategic Urban Advantage** – Situated in Chennai, a health and education hub that also hosts numerous IT companies and financial institutions, offering ample professional and academic opportunities for spouses and children.
- **Fully Funded PhD Students** – Institute and government-supported PhD scholars to drive your research forward.
- **Generous Seed Grants** – Secure up to ₹50 lakh to kickstart your research initiatives.
- **Unrestricted Research Freedom** – Explore blue-sky research and tackle cutting-edge challenges in your field.
- **State-of-the-Art Research Facilities** – Access world-class, centralized labs and high-performance computing resources.
- **Transparent & Merit-Based Career Growth** – Enjoy a performance-driven faculty promotion system.
- **Startup & Innovation Ecosystem** – Leverage IITM's world-class incubator to transform research into high-impact startups.
- **Global Research Mobility & Sabbaticals** – Leverage international collaborations through funded sabbaticals and mobility grants.
- **Exclusive Fellowships & Chair Professorships** – Avail **young faculty fellowships, professional development allowances**, and prestigious chair positions.
- **Industry & CSR Grant Support** – Institutional assistance in securing corporate and industrial research funding.
- **Patent & Tech Transfer Support** – Receive institutional backing for patent filings and commercialization of your innovations.
- **Thriving Interdisciplinary Collaborations** – Engage with top researchers across departments for groundbreaking discoveries.



# DIRECTOR'S MESSAGE



*IIT Madras has been in the forefront of academic and technical excellence since its inception almost 65 years ago. Our alumni have a worldwide presence and are today in leadership roles in both academia and in industry globally. This has naturally led to increased expectation from the society and from the nation to provide solutions to challenging technological problems and providing leadership in addressing some of the grand challenge problems facing the society.*

*The ecosystem in IIT Madras is designed towards enabling faculty, students, entrepreneurs and the industry to come together towards addressing these technological problems. Being the top ranked engineering institute in the National Institutional Ranking Framework for the last nine years in succession, there is now additional responsibility on IIT Madras to set new benchmarks and provide leadership in science and technology, innovation, and education. According to the latest strategic plan, the priorities of IIT Madras have been identified into six broad areas – internationalization, local relevance, transparent and effective governance, translational research, interdisciplinary research and online education. Keeping in line with this vision, we are now in the process of recruiting exciting young talents - researchers and educationists, who as faculty members will take the responsibility of steering the institute to higher levels of excellence.*

*As faculty of IIT Madras one gets to encounter the best of the country in terms of students, research scholars, research community, support of government, scientific funding agencies, peer labs, international collaboration etc. IIT Madras has the best industrial funding ecosystem and all top industrial leaders have tie-ups with us in terms of research, consultancy and product-development. The best innovation eco-system in the country is at the research park at IIT Madras with nearly 2 million sq. ft of space accommodating over 400 start-ups including several unicorns. Over and above these academic advantages, IIT Madras being built on the erstwhile Guindy national park, enable a unique experience for our faculty and students to work and live in an environment that can only be described as idyllic and yet enjoying all the benefits of living in a modern metropolitan city.*

*IIT Madras is in the process of expanding on our current faculty strength. With 18 departments that encompass engineering, science, humanities, management along with the two new departments of Medical Science & Technology and Data science and Artificial Intelligence, we are constantly on the lookout of exciting faculty members. We are committed to ensuring new faculty would have a smooth settling-in experience and with a plethora of funding, can hit the ground running. The campus, estate, administration and department resources are tuned to provide the faculty community the best possible experience and smooth campus and academic life.*

*If you think you would like to be part of an exciting journey through research, discovery and innovation, look no further than IIT Madras, the gold standard in all three. Join us at IITM!*

**Prof. V. Kamakoti**

Director, IIT Madras



IITM's vision for faculty members is to enable them to become one of the best in the world in their chosen specialization. Faculty members at IITM develop their own track in terms of balancing the needs and time for teaching, student guidance, sponsored research, consultancy, and socially relevant projects. IITM provides wide ranging schemes for young faculty to start their journey. Welfare and wellness of our faculty colleagues and their families in terms of campus life, wealth creation, mental and physical health etc. are proactively facilitated.

**Prof. Murali Kantharaj**  
Dean, Faculty

IIT Madras has a vibrant international presence in its campus. Several distinguished faculty from all over the world visit the campus every year. A considerable number of international students pursue masters and doctoral degrees at IIT Madras. The office of global engagement supports inbound and outbound faculty, student mobility, has several bilateral mobility programs and joint doctoral programs with different universities, and is involved in setting up of IIT Madras off-shore campuses. New faculty joining IIT Madras will be able to leverage many of these activities to establish their research presence in the international arena.

**Prof. Raghunathan Rengaswamy**  
Dean, Global Engagement

IIT Madras is proud of all 58,000 alumni who have graduated from the Institute, many of whom are in leadership positions in leading organizations and owe their success to IIT Madras. Our office works with faculty to create programs that can be funded by alumni as well as through CSR funds from companies. Over the last five years, we have raised over 500Cr from alumni and corporate partners. By becoming a faculty member at IIT Madras, you will inherit the power of this network of well-wishers to work for your professional success.

**Prof. Mahesh Panchagnula**  
Dean, Alumni and Corporate Relations

The faculty of IIT Madras engage in sponsored and consultancy projects of value of nearly Rs. 1,250 Crores (USD 150 Million) annually. The institute offers support to faculty members for efficient management of all project activities through its Office of Industrial Consultancy and Sponsored Research (ICSR). ICSR also manages the agreements with industry, as well as the IP generated from the work of all faculty and students of the institute.

**Prof. Manu Santhanam**  
Dean, ICSR

IIT Madras is embarking on to a new era with "IITM for All". We have been focusing tirelessly towards fulfilling our vision to contribute to societal improvement through excellence in digitization, scientific and technical education and research. With the incredible contribution of our faculty, staff, and students, in collaboration with each other and our partners, we strive towards our vision of reaping healthier communities for the betterment of human life.

**Prof. R. Sarathi**  
Dean, Planning

The research ecosystem at IIT Madras thrives with a vibrant community of dedicated faculty and passionate students. State-of-the-art research facilities supported by robust funding mechanisms, fosters an environment conducive to path-breaking discoveries. IIT Madras offers joint degree programs and exchange opportunities for both students and faculty, promoting diverse perspectives and cross-cultural learning. The Research Park at IIT Madras facilitates translational research and entrepreneurship. It bridges academia and industry, providing a platform to nurture the next generation of research-driven entrepreneurs.

**Prof. Shanthi Pavan**  
Dean, Academic Research

IIT Madras encourages faculty to offer courses in their areas of specialisation. A Teaching Learning Center assists faculty to explore new approaches to teaching. Faculty have freedom in the design and delivery of their courses. While core courses may be targetted at specific students, in general courses at IIT Madras have students from multiple programs and disciplines, taking courses as electives. There is opportunity to develop programs for industry as well. IIT Madras recognizes and rewards excellence in teaching based on student feedback. IIT Madras is the national coordinator for the NPTEL project - a portal for online learning, and through this project, faculty can reach out to students globally.

**Prof. Prathap Haridoss**  
Dean, Academic Courses

Since inception, IIT Madras stands at the forefront of undergraduate and graduate teaching, fundamental and applied research, with a focus on societal needs. Over the last six decades, the institute has grown from strength to strength, with academic excellence and research facilities matching the best universities in the world. Recently, it has opened its first overseas campus at Zanzibar, Tanzania, to help international students. With more than 600 faculty members, spread across 18 Departments, and excellent staff support and world class laboratories, our institute is the preferred destination for education and research in the country. Spread across about 630 acres, IIT Madras is one of the best residential campuses in the world. The campus is a self-contained campus for both personal and professional growth.

**Prof. R G Robinson**  
Dean, Administration

IIT Madras provides dynamic student environment where faculty can interact with students and develop new design and technologies related to institute competition teams such as Raftar, Abhiyan, Hyperloop, Anveshak, Agnirath and iGEM. In addition, there are lot of technical clubs (such as Astronomy, Aeroclub, ibot, AI club etc.,) and cultural clubs (music, drama, theatre etc.,) where faculty can participate and mentor. Our institute also has very good sports infrastructure and faculty with sports talents can be part of our institute team. In addition to teaching, research and consultancy, IIT Madras also provides a good platform to exhibit their talents and mentor our students in several non-academic activities.

**Prof. Sathyanarayana N. Gummadi**  
Dean, Students



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# IIT MADRAS

- #1 NIRF\* ranked institution last nine years in succession.
- Most productive research institute in the country (Highest publication per faculty as per NIRF\*).
- Best faculty-student ratio in the country.
- Highest total research funding in the country by external agencies.
- Highest industry funding in India.
- Most patents filed in the country by an academic institution.
- Highest perception ranking among peer faculty and employers.
- Most disability-friendly campus in India.
- Best academic start-up ecosystem in the country.
- Most faculty-friendly project overheads system in the country.

\*NIRF: National Institutional Ranking Framework, Ministry of Education, Govt. of India.







# IIT MADRAS AT A GLANCE

Undergraduate students  
**3000+ (on campus); 23,000+ (online)**

Postgraduate students  
**4,300+ (on campus); 20,000+ (online)**

MS Research scholars  
**750+**

Ph.D. Research scholars  
**3,300+**

Faculty  
**660+**

Staff  
**670+**

Departments  
**18**

Schools  
**2**

**Institute of Eminence - Govt. of India – 2019**  
**National Institutional Ranking Framework (NIRF)**

#1 Academic Institute in India - last 3 yrs. in a row

#1 Engineering Institute in India - last 9 yrs. in a row

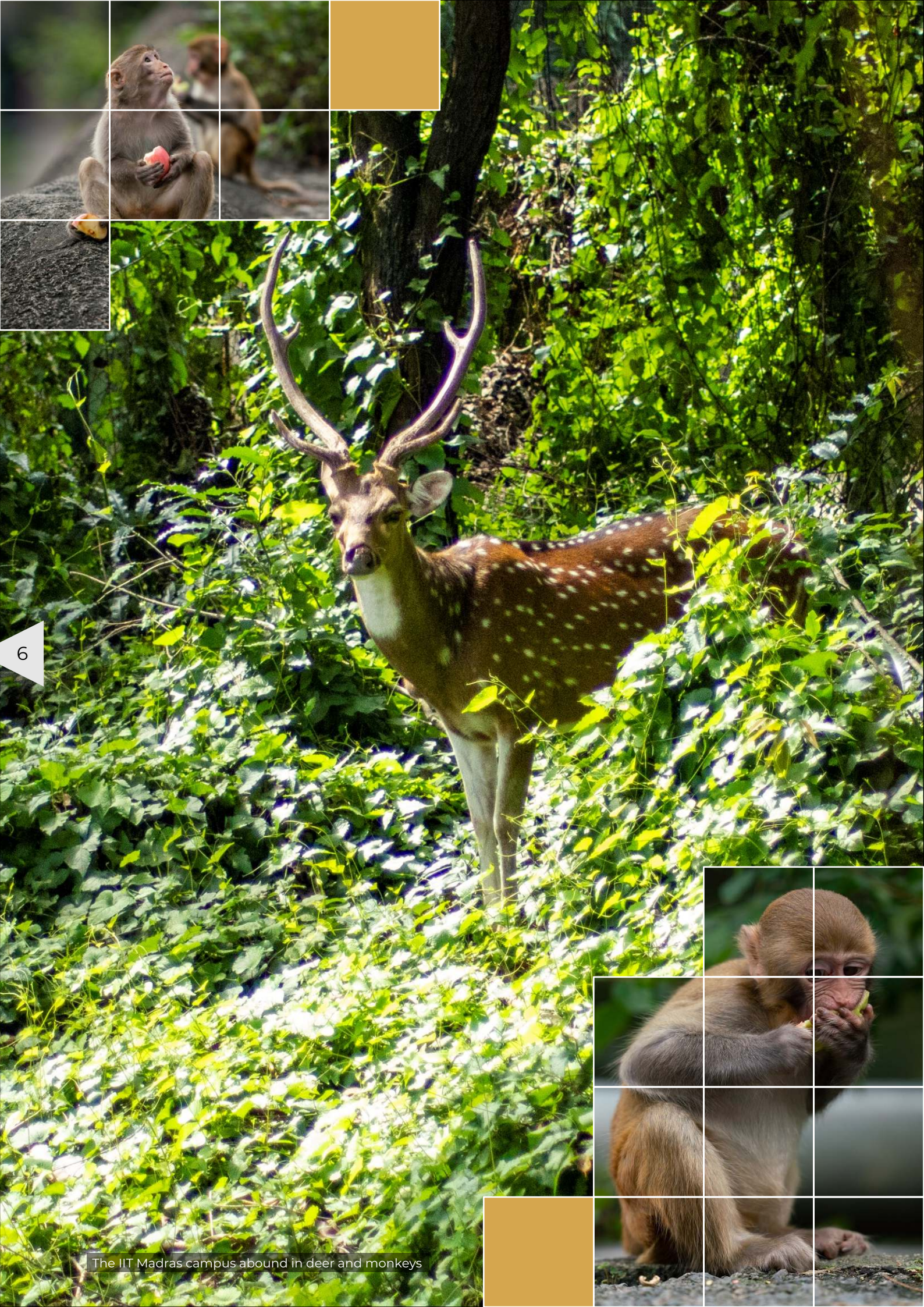
**ATAL Ranking of Institutions on Innovation Achievements (ARIIA)**

#1 Position (2019, 2020 & 2021)

**QS Rankings**

#68 in Engineering and Technology (2023)









# DEPARTMENTS

## ENGINEERING

- Aerospace Engineering
- Applied Mechanics & Biomedical Engg.
- Biotechnology
- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Data Science and Artificial Intelligence
- Electrical Engineering
- Engineering Design
- Mechanical Engineering
- Metallurgical and Materials Engineering
- Ocean Engineering

## SCIENCES

- Chemistry
- Mathematics
- Physics



## ARTS

- Humanities and Social Sciences

## MANAGEMENT

- Management Studies

## MEDICAL SCIENCE

- Medical Science and Technology

## SCHOOLS

- School of Sustainability
- School of Interdisciplinary Studies

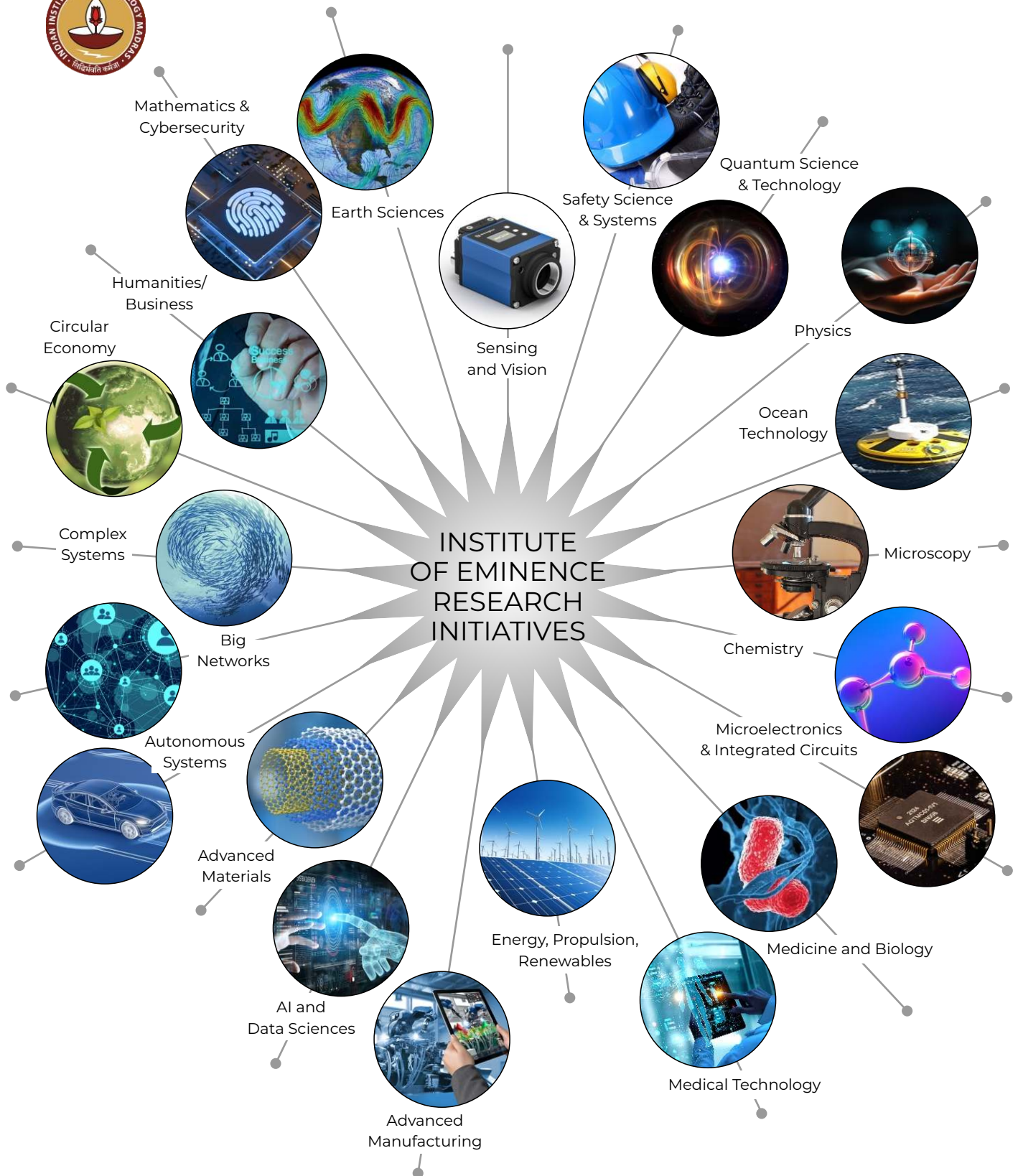


Krishna Chivukula Block



# RESEARCH CENTRES

- Centre for Non-Destructive Evaluation (CNDE)
- MRI - MRSS Centre
- National Centre for Catalysis Research (NCCR)
- Centre of Excellence in Urban Transport (COEUT)
- National Centre for Combustion R&D (NCCRD)
- Centre for Nano-electromechanical Systems and Nanophotonics (NEMS)
- Centre of Decentralised Power Systems (CDPC)
- Centre for Technology and Policy (CTAP)
- Centre of Excellence in Non-Intrusive Diagnostics
- National Centre for Safety of Heritage Structures (NCSHS)
- Centre for Computational Brain Research (CCBR)
- Centre of Excellence on Dam Safety & Dam Rehabilitation
- Centre for Propulsion Technology (CoPT)
- Centre for Rehabilitation Research and Device Development (R2D2)
- Centre for Battery Engineering and Electric Vehicle (CBEEV)
- Centre for Railway Research (CRR)
- Gopalakrishnan-Deshpande Centre for Innovation and Entrepreneurship
- TATA Steel Advanced Materials Research Centre (TSARMC)
- National Technology Centre For Ports, Waterways And Coasts (NTCPWC)
- Centre of Excellence in Advanced Materials and Manufacturing
- Centre for Advanced Automotive Research (CAAR)
- National Facility for Atom Probe Tomography (NFAPT)
- Solar Energy Harnessing Centre
- Pratap Subrahmaniam Centre for Digital Intelligence and
- Secure Hardware Architecture (PS-CDISHA)
- Global Water and Climate Adaptation Centre (ABCD-Centre)
- Materials Science Research Centre
- Centre for Excellence for Road Safety (CoERS)
- Affordable Sustainable Housing Accelerator – India (ASHA India)
- Centre of Excellence for Hyperloop Technology
- DRDO-Industry-Academia-Ramanujan Centre of Excellence (DIA-RCoE)
- Centre for Responsible AI
- Centre of Excellence for Zero Emission Trucking
- Centre for Innovation & Entrepreneurship
- AquaMap - Centre for Water Management and Policy



- Critical Transitions in Complex Systems
- NDE 5.0 – Industrial Assets and Process Management
- Centre of Excellence on Molecular Materials and Functions
- Technologies for Low Carbon and Lean Construction
- Healthcare and Assistive Technologies
- Maritime Experiments to Maritime Experience
- Centre for Quantum Information, Communication and Computing

- Sports Science and Analytics
- Centre for Soft Matter
- Centre of Excellence in RF, Analog, and Mixed Signal ICs
- Atomistic Modelling and Materials Design
- Geophysical Flows Lab
- Centre for Cancer Genomics and Molecular Therapeutics
- Quantum Centre for Diamond and Emergent Materials
- Energy Consortium





## OFFICE OF INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC&SR)

- Facilitate and manage projects taken up by faculty – recruitment, finances, financial reporting, audits, purchases, and taxes.
- Liaise between funding agencies and faculty, identify opportunities, follow up on finance and paperwork with funding agencies.
- Maintain a repository of faculty expertise – liaise with industries.
- Prepare and manage MoUs/ JDAs / NDAs and all legal agreements with industrial partners, intellectual property management, technology transfer and licensing.





## SPONSORED PROJECTS (Research Funding Agencies)



Amount  
(INR crores)\*

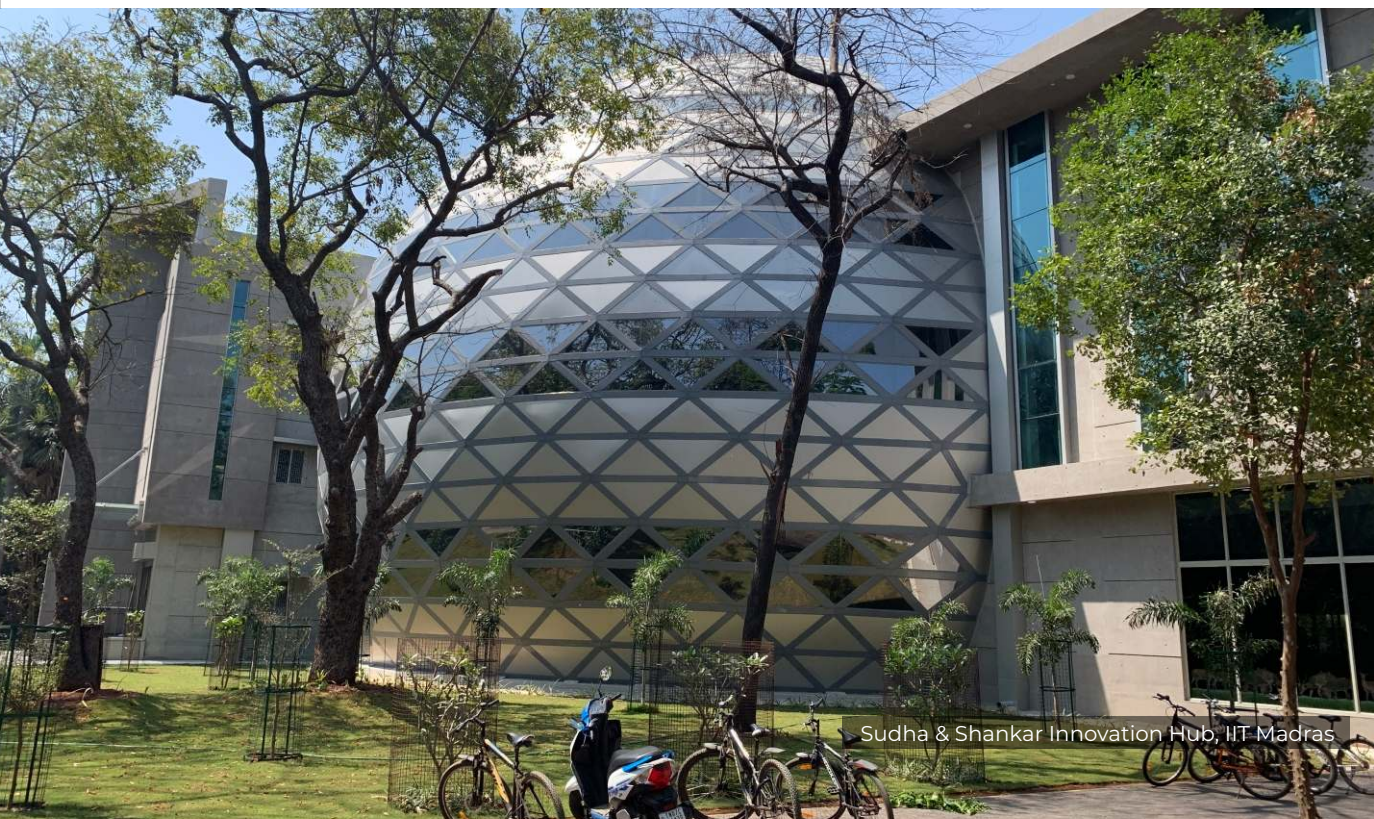
## SPONSORED PROJECTS (Industry)



Amount  
(INR crores)\*

\* 1 Crore = 10 million

As of January 2024



Sudha & Shankar Innovation Hub, IIT Madras



# RESEARCH & PUBLICATIONS\*

<b>3,000+</b>	<b>Ph.D. and Post Doc. research scholars</b>
<b>5</b>	<b>Average no. of students per research guide</b>
<b>283</b>	<b>Industry sponsored Chairs in institute</b>
<b>126</b>	<b>H-index Scopus (2022)</b>
<b>740,629</b>	<b>Citation Scopus (till 2022)</b>
<b>41,469</b>	<b>Scholarly output (till 2022)</b>

26,627 ▲

Scholarly output  
24.5% All open access

11,720 ▲

Authors

1.08

Field-weighted  
citation impact

395,427

Citation count

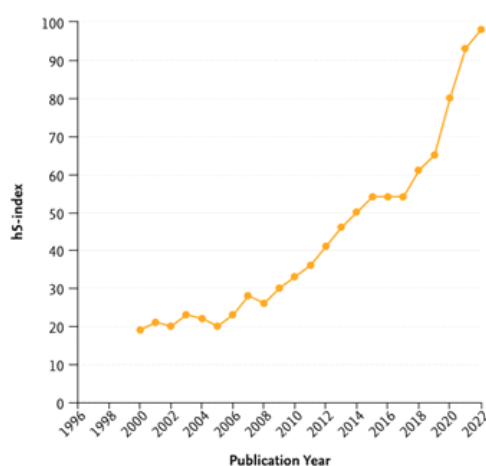
14.9

Citations per publication

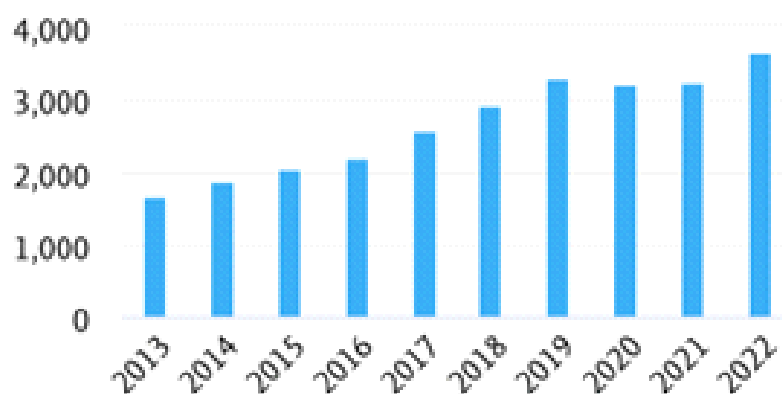
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h5-index

Citation Count



Scholarly Output

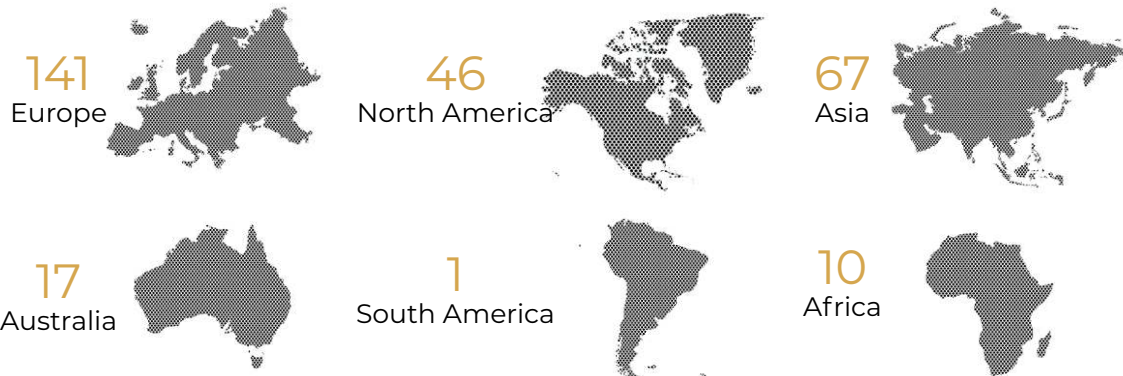


\*data from Scival, as of January 2024



# INTERNATIONAL OFFICE OF GLOBAL ENGAGEMENT

Distribution of MoUs with universities across continents



There are currently 100+ international students on campus

## Institute Funded Mobility Programs



Inbound Visiting Faculty/Students countries (2022-23)



Outbound Visiting Faculty/Students countries (2022-23)





# INTERNATIONAL ACADEMIC PROGRAMS

## Joint Degree Programs



University of Birmingham (UoB) - IIT Madras  
Joint Degree Program (M.Sc. Data Science and AI)



Kathmandu University (KU) - IIT Madras  
Joint Degree Program (M.Tech. Energy Systems)

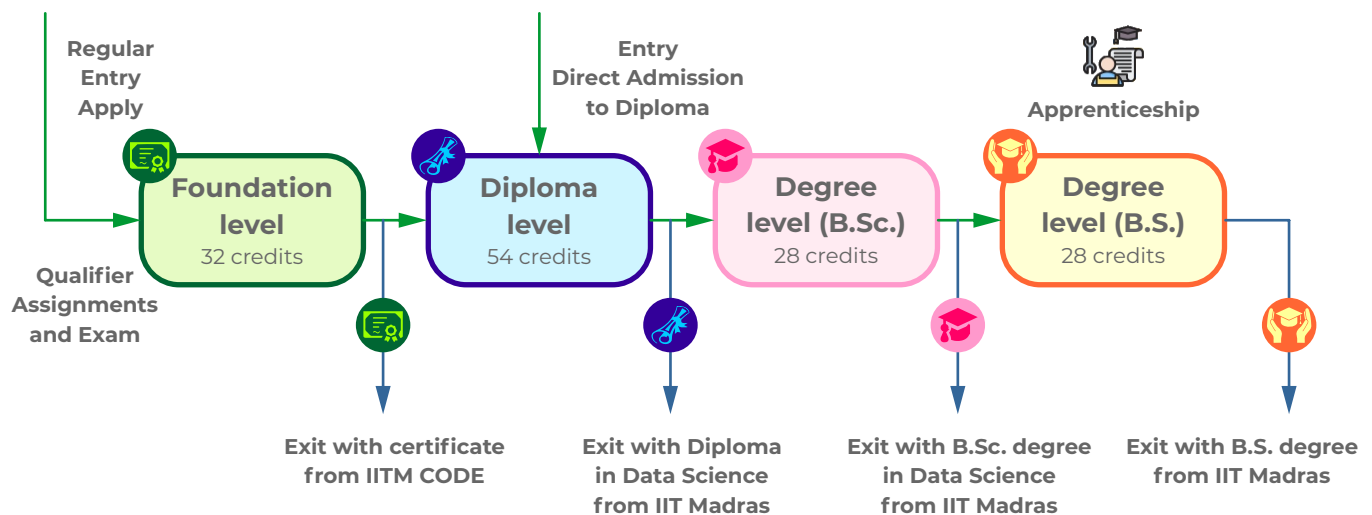
## International Interdisciplinary Master's Programs (I2MP)

- Data Science
- Robotics
- Quantum Science
- Biomedical Science
- Complex Systems
- Cyber Physical Systems
- Computational Engg.
- Advanced Materials
- Energy Systems

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## Online Degree Programs

- B.S. in Data Science and Applications
- B.S. in Electronic Systems



Several other online master's level programs are also offered



# IIT MADRAS ZANZIBAR

First off-shore campus among all IITs



**Prof. Preeti Aghalayam**

Director-in-charge,  
IIT Madras Zanzibar

IIT Madras' first international campus in Zanzibar, Tanzania aims to bring IITM's strong technical expertise & research excellence to the East African Region.

IIT Madras Zanzibar will provide the highest quality education, innovation & research with a strong focus on industrial research & internships and study abroad programs!

## Programs

### **BS in Data Science and Artificial Intelligence**

4-Year UG Degree

433 Total IITM Credits

Language of Instruction: English

### **M.Tech. in Data Science and Artificial Intelligence**

2-Year PG Degree

193 Total IITM Credits

Language of Instruction: English

<https://zanzibar.iitm.ac.in>







# NPTEL-SWAYAM MOOCS

SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. SWAYAM seeks to bridge the digital divide for students who have hitherto remained untouched by the digital revolution and have not been able to join the mainstream of the knowledge economy.

This is done through a platform that facilitates hosting of all the courses, taught in classrooms from Class 9 till post-graduation to be accessed by anyone, anywhere at any time. All the courses are interactive, prepared by the best teachers in the country and are available, free of cost to any learner.



A PROJECT OF IITs AND  
IISc UNDER NMEICT, MHRD



**2003 - 2014**  
CONTENT CREATION AND  
REPOSITORY FOR SELF LEARNING

**2014 - 2020**  
CERTIFICATION FROM THE IITs/IISc



IIT BOMBAY



IIT DELHI



IIT GUWAHATI



IIT KANPUR



IIT KHARAGPUR



IIT MADRAS



IIT ROORKEE



IISc BANGALORE

ONLINE DELIVERY OF CONTENT + IN PERSON QUIZZES AND FINAL EXAMS

<https://nptel.ac.in>

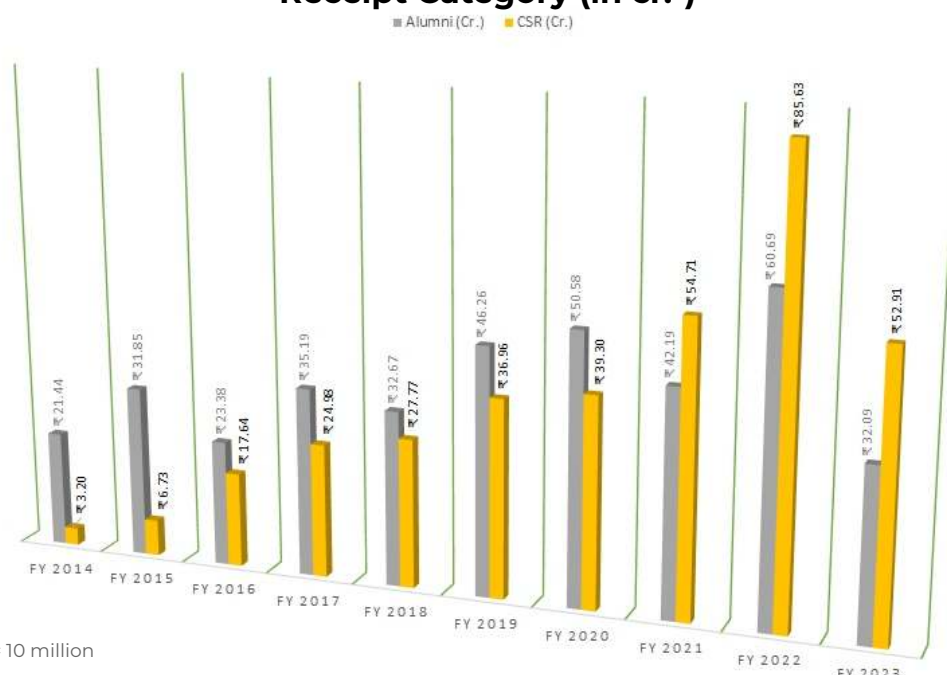


# ALUMNI AND CSR FUNDING

Graduates from IITM have gone on to excel in a multitude of sectors, industries, and geographical regions. One of the important strengths of IITM is the strong alumni connect and network, and their continued support to the Institute in the form of funds, resources, mentorship, and ideas, that have enabled IITM to start many new initiatives. The corpus funds from alumni have contributed to several research initiatives like the Sudha Gopalakrishnan Brain Centre, AI4Bharat, Robert Bosch Centre for Data Science and AI, National Center for Precision Medicine in Cancer, Kotak IIT Madras Save Energy Mission (KISEM), International Centre for Clean Water, and many more.

The alumni funds are used for augmenting international travel for both faculty and students, campus infrastructure, contribute to student wellness and encourage gender inclusive initiatives.

## Receipt Category (in cr.\*)



\* 1 crore = 10 million



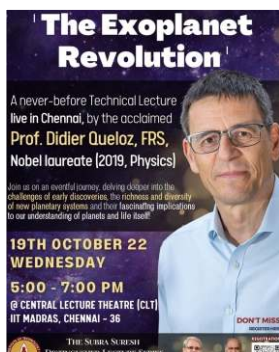


# DISTINGUISHED LECTURES

Several lecture series have been initiated in recent years, where eminent personalities from different walks of life are invited for talks and interactions with faculty and students. This includes the Leadership Lecture Series and the Subra Suresh Distinguished Lecture Series. The latter is an annual program that is addressed by Nobel Laureates, and constitutes popular lectures open to general public, a technical lecture, and a day of interaction with IITM faculty.

The first lecture was delivered in 2022 by Prof. Didier Queloz, who was the 2019 Nobel Laureate in Physics. Prof. Brian P. Schmidt, who won the 2011 Nobel Prize in Physics was hosted in 2023.

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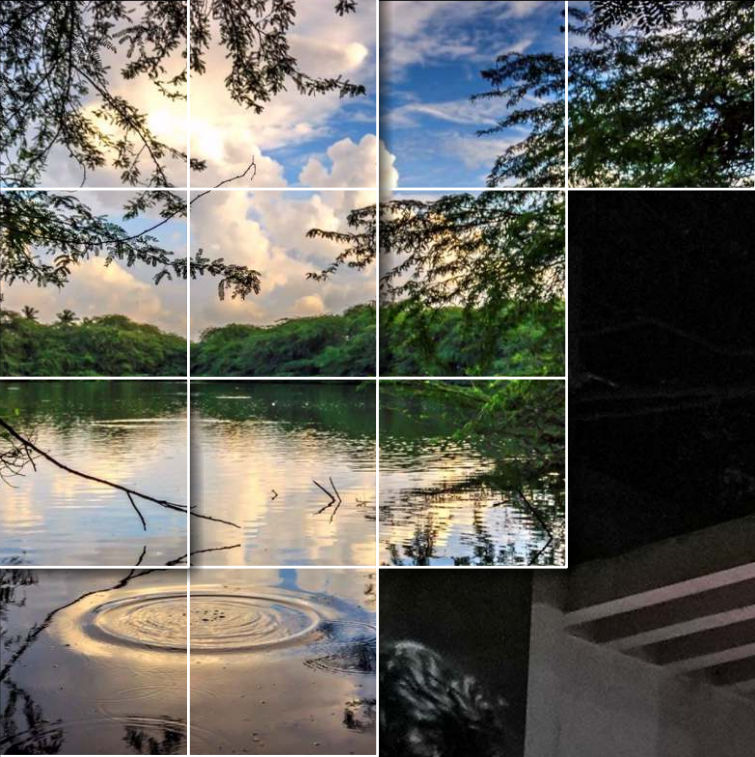


Prof. Didier Queloz

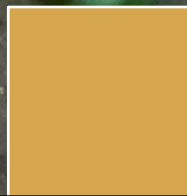
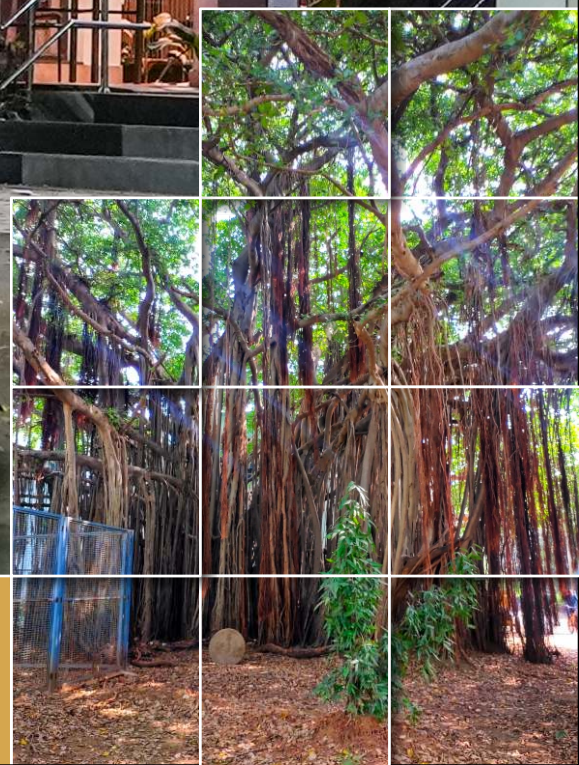


Prof. Brian P. Schmidt





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# IITM INCUBATION CELL

## INDIA'S FIRST UNIVERSITY-BASED INNOVATION/STARTUP ECOSYSTEM

Innovation thrives when industry professionals, faculty, and students interact in a formal or informal environment. As part of an active innovation ecosystem, R&D Centres / Labs at the IITM Research Park are able to:

- Engage with students.
- Work with faculty.
- Utilize research labs and research centres at IITM.
- Identify technologies for commercialization.



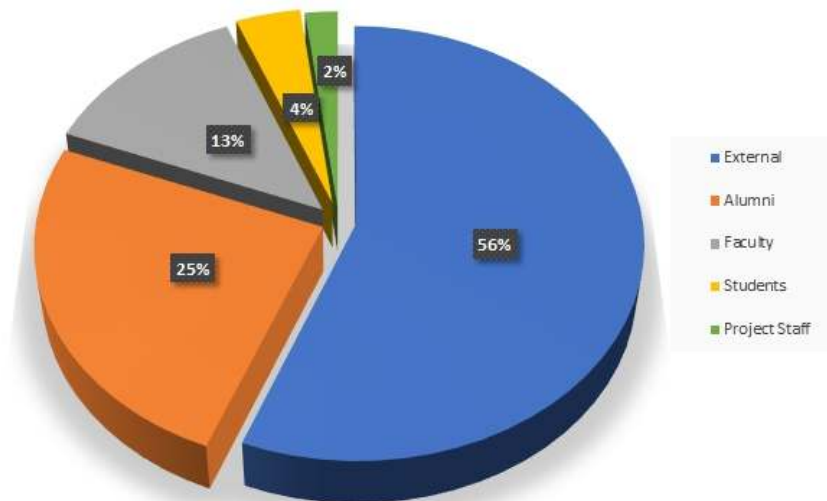


# IITM INCUBATION CELL

**688**  
founders

**105**  
companies have  
IITM faculty as founders or  
minority shareholders

**87**  
IIT faculty members are  
founders or  
minority shareholders



The IITM Research Park provides support, initial seed funding, and space for incubating startups and entrepreneurs.

**351**  
STARTUPS

**158**  
GRADUATES  
**131**  
INCUBATEES

**INR 10,425 cr.\***  
(USD 1.25B)  
Investment  
by Angel/VCs

**INR 45,000 cr.\***  
(USD 5.4B)  
**Valuation**

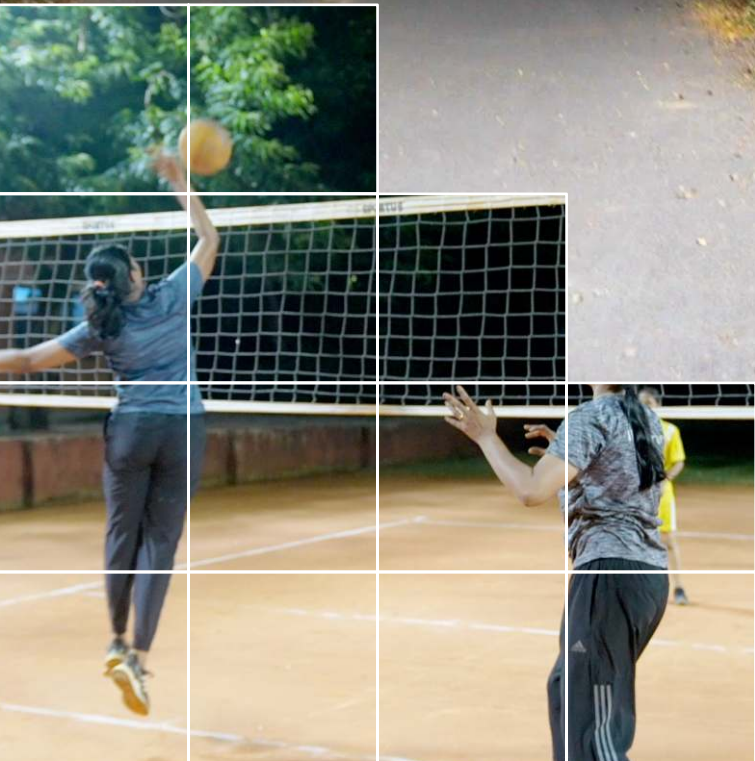
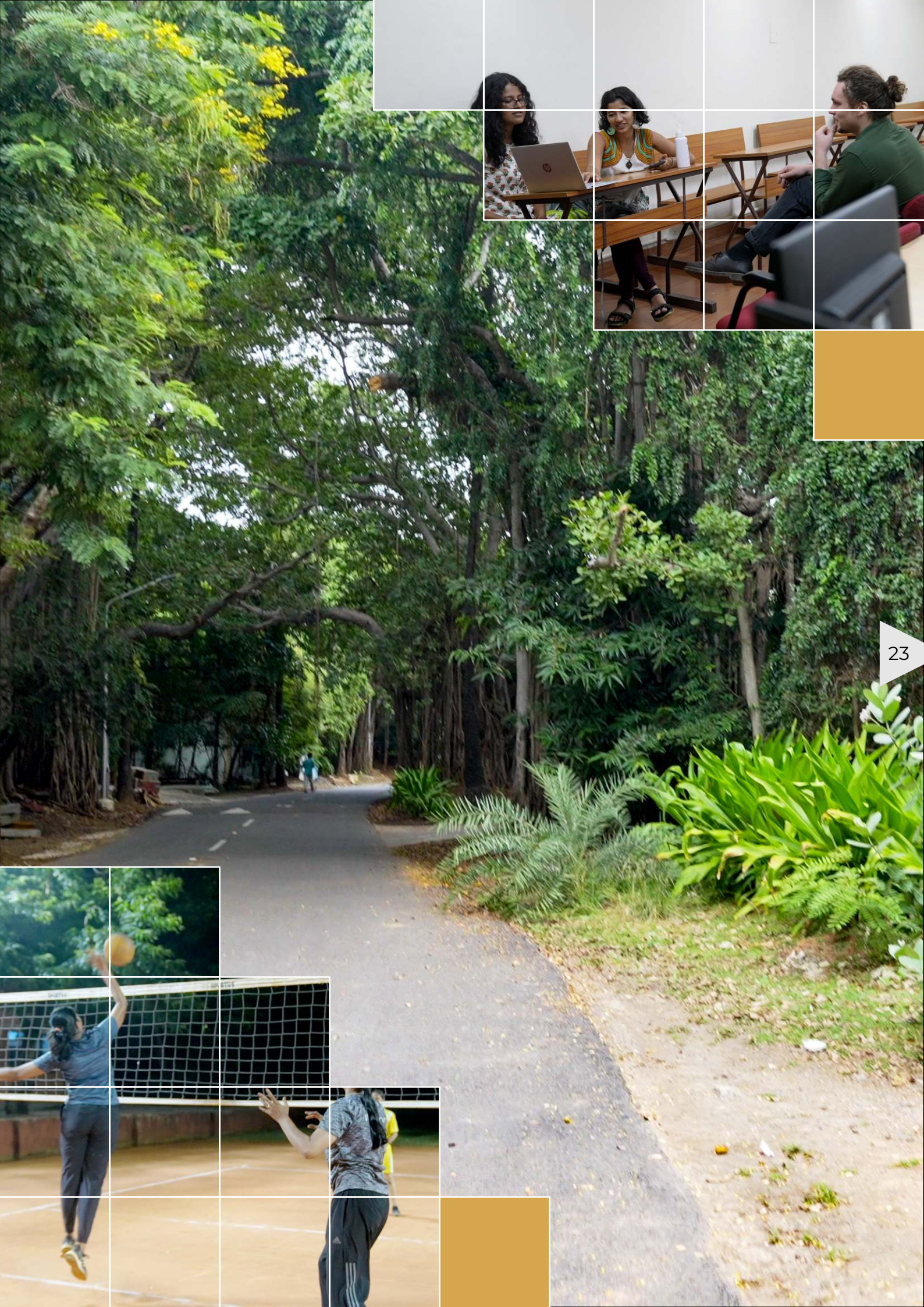
**170**  
STARTUPS  
IN MARKET

**INR 3,140 cr.\***  
(USD 376M)  
**Revenue in FY 21-22**

**8,800+**  
JOBS  
CREATED

**210+**  
PATENTS  
FILED













# NEW FACULTY

Embark on a transformative journey in one of India's premier institutions as we invite passionate young academics to join our dynamic faculty team. IIT Madras is on the lookout for visionary leaders to spearhead our ambitious expansion programs, driving innovation and excellence in education.

Are you ready to make a lasting impact and shape the future of academia? Discover the eligibility requirements and get a sneak peek into the exciting opportunities that await you at IIT Madras. Unleash your potential, contribute to ground breaking research, and be a part of our vibrant academic community.



## REQUIREMENTS - ASSISTANT PROFESSOR

- Candidates of high calibre with Ph.D. and relevant experience.
- Very good academic/research/innovation track record with quantifiable quality output.
- Ph.D. students and Postdocs with excellent publications in the relevant fields.

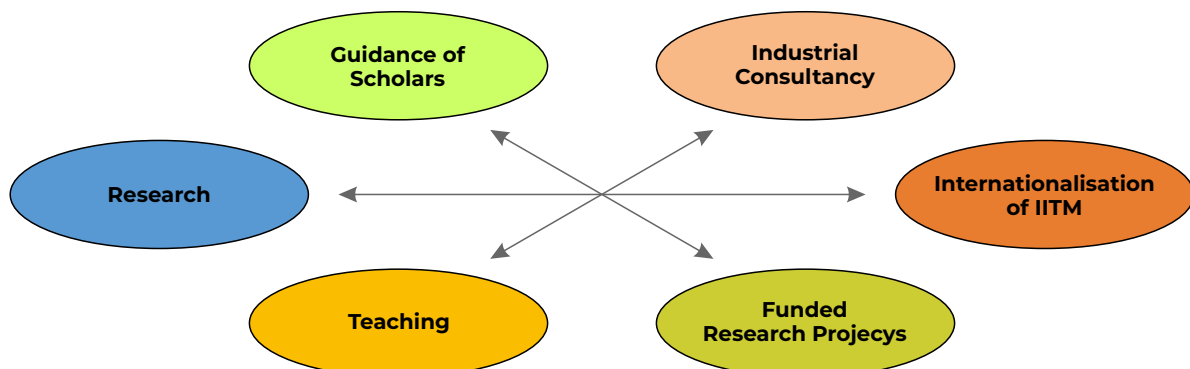
More details and vacancies in various departments and specializations can be found at <https://facapp.iitm.ac.in>

### Expected Faculty Career Progression:

Min. years from Ph.D.	Position
0	Assistant Professor Grade-II
3	Assistant Professor Grade-I
6	Associate Professor
10	Professor
16	Professor (HAG)
20	Chair Professor

### Faculty Roles and Responsibilities:

Faculty are expected to develop themselves in the following domains:





# EMPOWERING RESEARCH

At IIT Madras, we believe in empowering our faculty with the resources and freedom to push the boundaries of knowledge and make a lasting impact in their respective fields.

**Freedom**  
for research

**Ph.D.**  
student funding

**IDRP**  
admissions

- **Unrestricted Research Freedom:** Enjoy the liberty to pursue your desired line of research and activities without any imposed restrictions, fostering a culture of academic exploration and innovation.
- **Ph.D. Students:** Most Ph.D. students are funded by the institute. Departments help new faculty with Ph.D. students, providing invaluable assistance and collaboration for research endeavors.
- **IDRP (Interdisciplinary Research Programs) Admissions:** Engage in interdisciplinary research through the IDRP mode of admissions, promoting collaboration and cross-disciplinary exploration.





- **PMRF Fellowships:** Unlock the potential of your research with prestigious PMRF (Prime Minister's Research Fellowship) funded Ph.D. students, in addition to support from the institute, industry partnerships, and other government-sponsored programs.
- **Lab Development Opportunities:** Kickstart your research aspirations with opportunities for personal lab development, allowing you to create a conducive environment for your research.
- **Centralized Sophisticated Experimental Facilities:** Access existing and build new state-of-the-art, centralized experimental facilities, providing you with the tools and infrastructure needed to conduct cutting-edge research.
- **Research Park and Incubation Cell Access:** Connect with the vibrant ecosystem at the research park, including an incubation cell that supports start-ups, facilitating collaboration and the transformation of innovative ideas into impactful ventures.

PMRF  
fellowships

Lab  
development

Central  
facilities

IITM  
Research Park  
access





# RESEARCH and FUNDING OPPORTUNITIES

**The Jointly Funded Bilateral Mobility Program (JFBMP)** is an exclusive program with IIT Madras' valued strategic partners. This flagship program aims to nurture international relationships by promoting Joint Research Programs through attractive mobility funding for students and faculty.

## Goals:

- Provide a platform for long-term inbound international students under JDP/JMP and joint programs with highly reputed institutes.
- Offer an opportunity to initiate joint guidance for Masters/Ph.D. programs.
- Present an opportunity to explore bilateral regional grants.

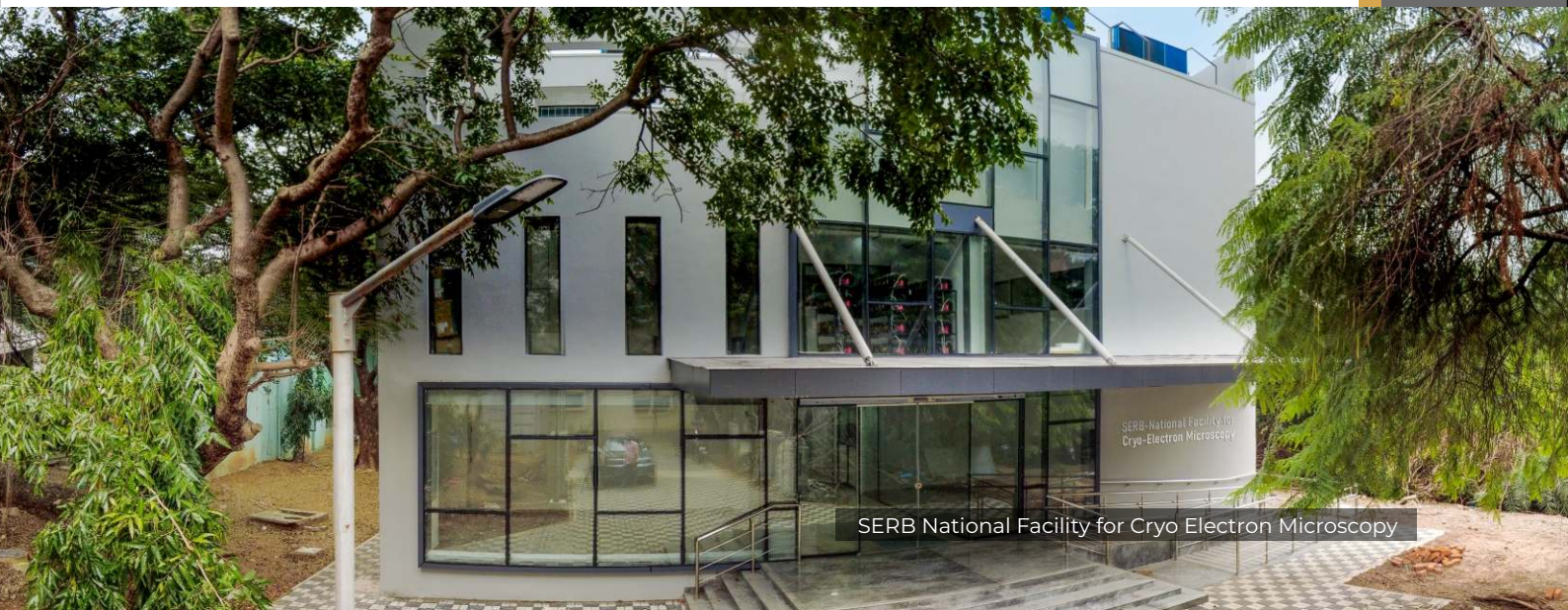
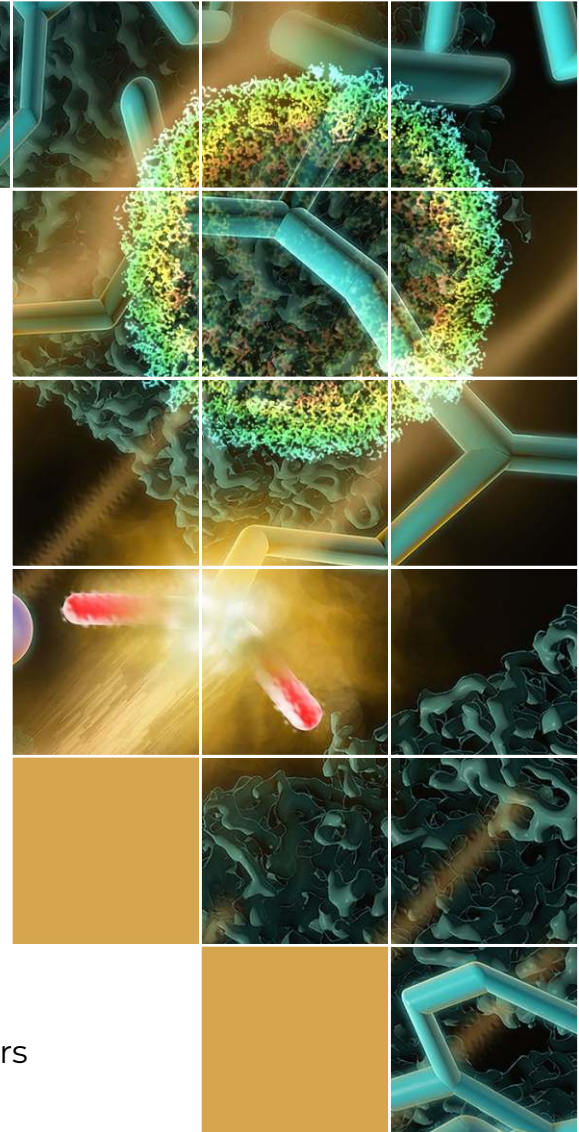




# WORLD-CLASS RESEARCH FACILITIES

- SERB National Facility for Cryo Electron Microscopy
- Sophisticated Analytical Instruments Facility
- Spectrometers - Raman, Nuclear Magnetic Resonance, Electron Spin Resonance, Fluorimeter etc.
- Crystallography - Single XRay Diffractometer
- Imaging - High Resolution Scanning Electron Microscope
- Magnetometry - Vibrating Sample Magnetometers
- Chromatography - Gas Chromatography - Mass Spectrometry, Quadrupole Time-of- Flight Mass Spectrometry.
- Central Electronics Centre
- High Performance Computing Environment

**A new 163 acre 'Discovery Campus' located 36 km from the main city is being developed for building large facilities.**







thermo scientific





Scanning Electron Microscope





# FUNDING

IIT Madras offers a plethora of enticing funding support to new faculty.

- **Immediate INR 5 Lakhs Grant:** Dive into your academic pursuits with immediate financial support to kickstart your journey at IIT Madras.
- **Research Seed Grant:** Seed grants, up to 100 Lakhs, empower you to build your state-of-the-art research lab.
- **ICSR-Funded Initiatives:** Explore groundbreaking exploratory projects with the backing of ICSR-funded initiatives, encouraging pioneering research and development.
- **CSR-Funded Impactful Projects:** Make a meaningful difference by engaging in impactful CSR-funded projects that contribute to societal well-being and development.
- **Alumni Funds:** Tap into alumni funds to enhance your project resources, fostering a strong network of support and collaboration.

5 Lakhs\*

Immediate grant

100 Lakhs\*

Research seed grant

ICSR

Funded initiatives

CSR

Funded projects

Alumni

Fund access

\* 10 Lakhs = 1 million





- **Cumulative Professional Development Allowance (CPDA):** Fuel your ongoing growth with the CPDA, providing financial support for travel and continuous professional development.
- **Departmental Funds for New Faculty:** Benefit from departmental funds, including additional resources specifically allocated to support new faculty, creating a nurturing environment.

CPDA

Available

Department

Fund access

Government

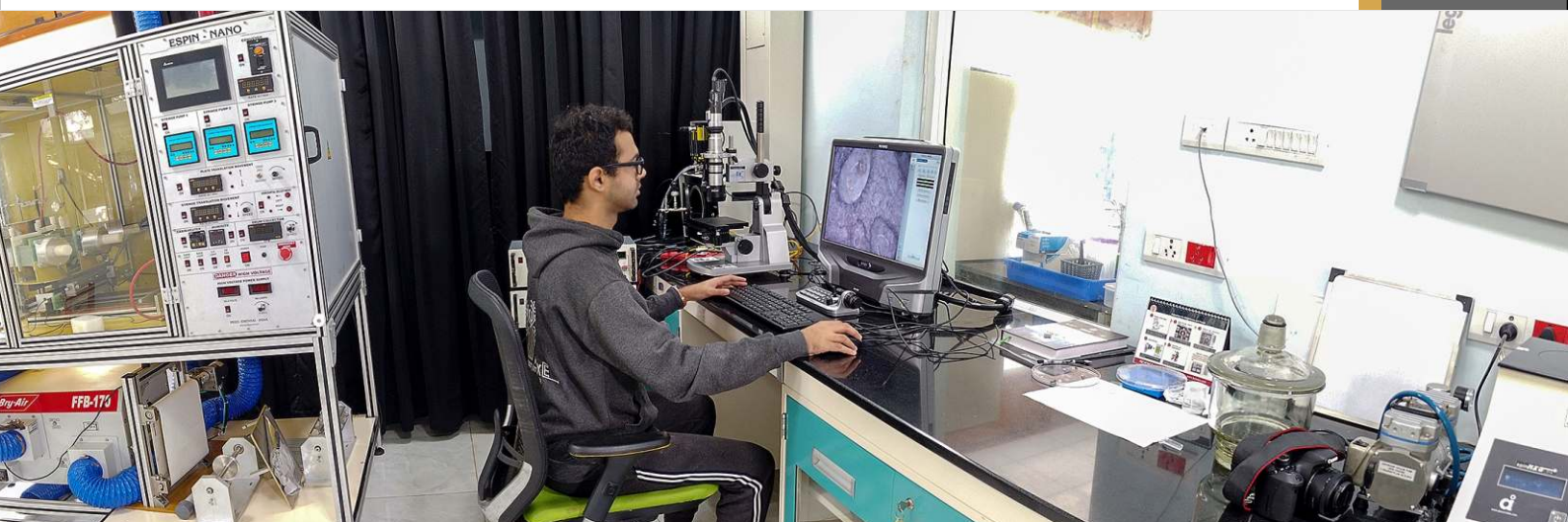
Funding

Externally

Sponsored Research

## DIVERSE FUNDING AVENUES

Apart from Institute funding, faculty have access to a variety of funding avenues from industry and government funding agencies, nationally and internationally. Extensive opportunities for industrial consultancy are also available. The office of IC&SR plays a pivotal role in providing support.







# TEACHING

Faculty at IITM get the opportunity to teach and guide extremely intelligent students who are not only the best in India but among the best globally. Alumni from IITM have gone on to become globally recognized leaders in technology and STEM. It is a privilege to have the opportunity to guide and mould the leaders of tomorrow. This is one of the privileges of being a faculty at IITM.

IIT Madras recognizes that the transition to a new environment is a pivotal phase for new faculty, and we prioritize their smooth integration into our vibrant academic community. New faculty are provided a helpful environment to ease into the teaching responsibilities. The teaching responsibilities are limited to usually 2 theory courses in an academic year.

- Faculty has the freedom to teach any approved course from any department.
- The audience in courses is usually diverse with students across departments and academic programs.
- IIT Madras offers workshops and support for faculty through the Teaching Learning Center (TLC).

**Adapt**

first semester

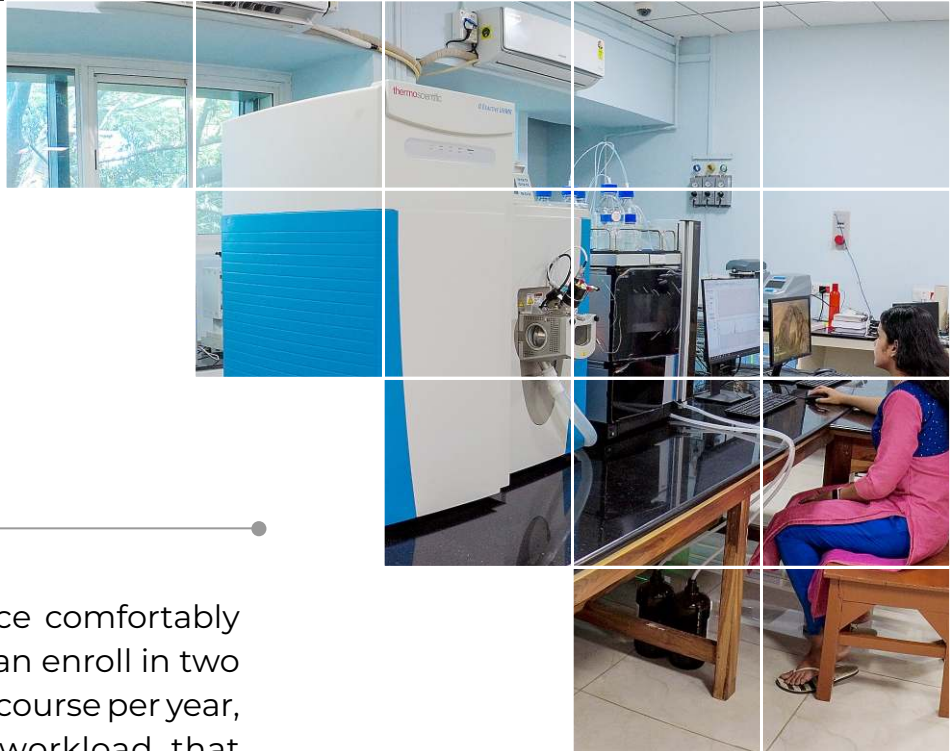
**Electives**

easing in

**Flexible**

course load





- **Flexible Course Load:** Once comfortably settled, faculty members can enroll in two theory courses and one lab course per year, maintaining a balanced workload that aligns with their research and teaching priorities.
- **Opportunities to Offer/Float Electives:** IIT Madras encourages faculty to contribute to the academic landscape by offering elective courses. Faculty are encouraged to float new electives. This not only allows for the expression of individual expertise but also enriches the educational experience for students.
- **Inter-Disciplinary Dual Degree Program (IDDD):** As part of our commitment to fostering interdisciplinary collaboration, faculty members have the unique opportunity to collaborate with like-minded groups and float new degree programs through the Inter-Disciplinary Dual Degree Program (IDDD), promoting innovative approaches to education.
- **NPTEL-SWAYAM online:** Participate in online teaching modules through NPTEL, and also offer specialized courses on demand for industry professionals.

Electives  
freedom to float

IDDD  
dual-degree





# A SYLVAN CAMPUS

Discover the unparalleled beauty and convenience of IIT Madras' breathtaking 640 acre campus, setting it apart from other institutions in India. Immerse yourself in the picturesque surroundings - an idyllic forest situated in the heart of the city, seamlessly blending natural beauty with modern amenities for an unparalleled living experience. At IIT Madras, it's not just about a world-class academic experience but also a holistic and enriching lifestyle that enhances every aspect of your time on our stunning campus.

**Serene**  
environment

**Hospital**  
24 hrs.

**Schools**  
for the little ones

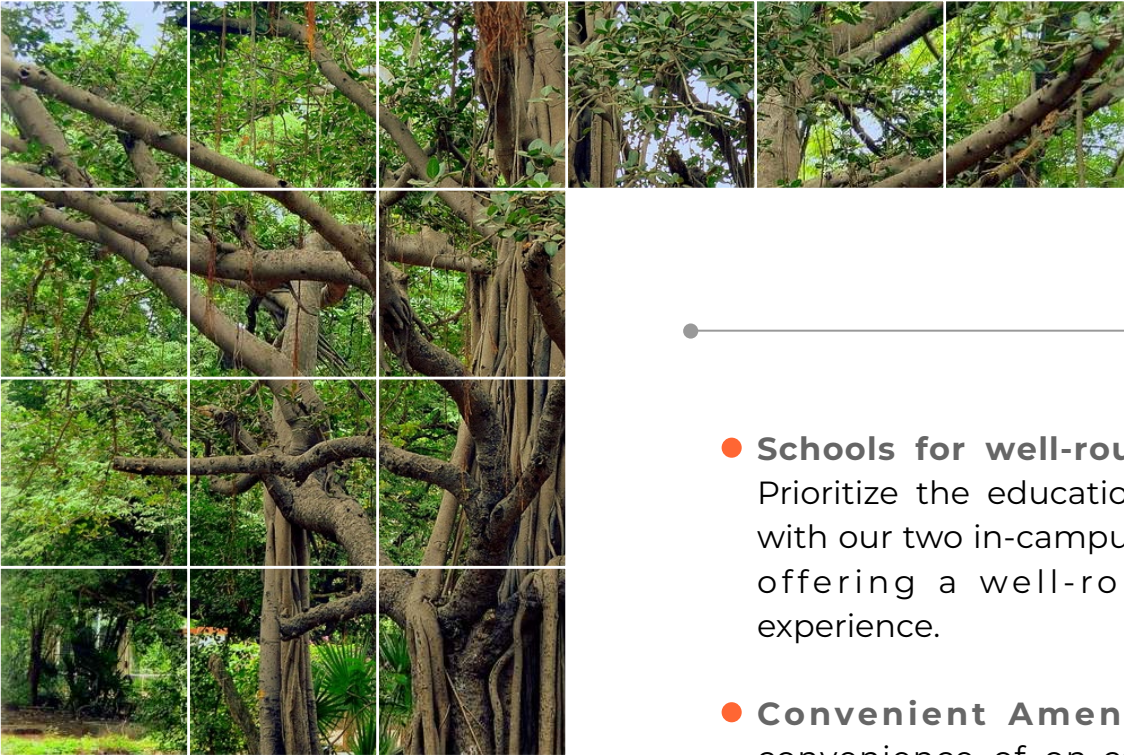
- **Serene campus environment:** Enjoy the tranquility of our 640 acre campus, that was earlier a part of the Guindy National Park, providing a serene and peaceful atmosphere that enhances your overall well-being.
- **Hospital facilities:** Experience peace of mind with our fully-equipped, easily accessible hospital, with OT facilities, in-house doctors and well-known consulting doctors from the city, and a convenient pharmacy, ensuring comprehensive healthcare support for you and your family.
- **Insurance:** All faculty and their family are covered by a medical insurance, with top-up facilities.





One of the faculty housing apartments





## Amenities

for needs

## Sports

facilities

## Gym

for workouts

## Clubs

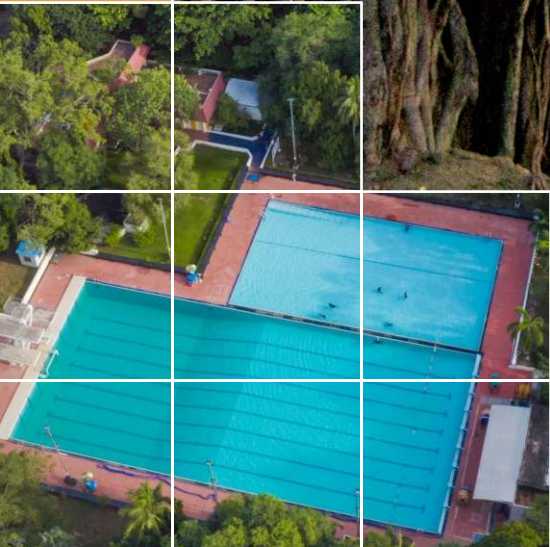
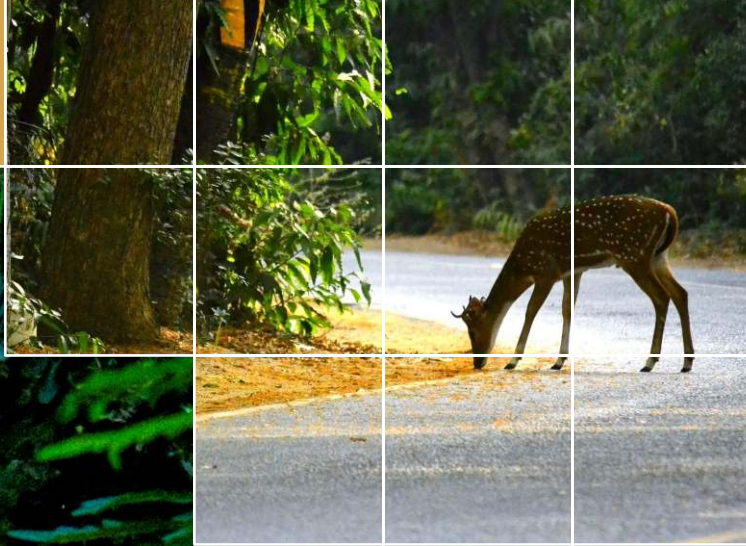
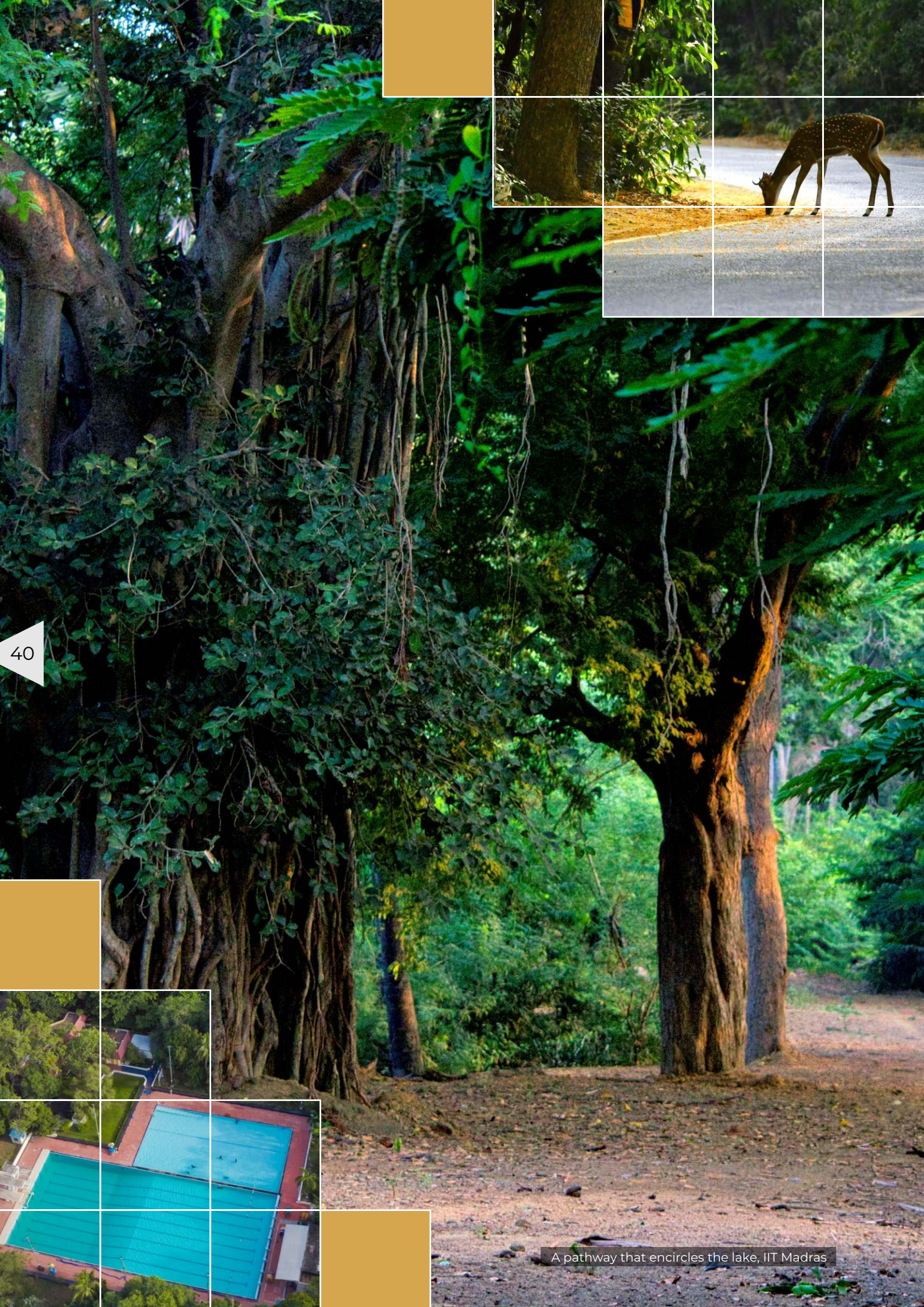
for networking

IITM Alumni Association  
<https://iitalumnicenter.org/>

- **Schools for well-rounded education:** Prioritize the education of your children with our two in-campus excellent schools, offering a well-rounded learning experience.
- **Convenient Amenities:** Enjoy the convenience of on-campus amenities, including banks, a shopping complex, and inviting cafeterias.
- **Comprehensive Sports Facilities:** Stay active and energized with our state-of-the-art sports facilities, featuring a refreshing swimming pool, a dynamic stadium, and courts for tennis, basketball, and squash.
- **Modern Gymnasium for Fitness Goals:** Achieve your fitness goals in our modern gymnasium, equipped with cutting-edge facilities that cater to a variety of workout routines.
- **Alumni and Staff Clubs:** Join the thriving community at our faculty and alumni clubs, fostering meaningful connections and a strong sense of belonging. Engage with like-minded individuals, share experiences, and contribute to the vibrant social fabric of our institution.







A pathway that encircles the lake, IIT Madras





# HOUSING

Elevate your living experience at IIT Madras with our comprehensive housing solutions designed for your comfort, convenience, and financial flexibility.

- **Secure and Serene:** Enjoy comfortable campus housing adhering to government regulations for fair allotment, ensuring a secure and compliant living environment that meets high standards of quality and safety.
- **Hassle-Free Maintenance:** Experience hassle-free living as IITM takes responsibility for all maintenance issues, allowing you to focus on what matters most - your work, research, and personal pursuits.
- **Flexibility in Housing Options:** Explore diverse housing options with a substantial number of faculty opting for off-campus residences, making use of the House Rent Allowance (HRA) not available with on-campus housing.
- **Real Estate Investment Opportunities:** Seize the opportunity to invest in real estate in Chennai, by purchasing houses or flats in nearby localities, providing you with the freedom to choose a living style that suits your goals.

Fair  
allotment

Maintenance  
free

Off-campus  
option

Investment  
opportunities





- **Financial Flexibility with HRA:** Maximize your financial flexibility by utilizing HRA to pay your home loan EMIs, allowing you to make the most of your housing allowance and manage your finances efficiently.
- **Exclusive Housing Loan Packages:** Take advantage of exclusive and appealing housing loan packages periodically offered to IIT faculty by various banks.
- **Faculty Association Support:** Benefit from the active support of the Faculty Association, which assists in the process of purchasing flats, ensuring a smooth transition into your ideal living space.

Financial  
flexibility

Loan  
packages

Support  
from association



A faculty housing unit





# INTERNATIONAL FACULTY

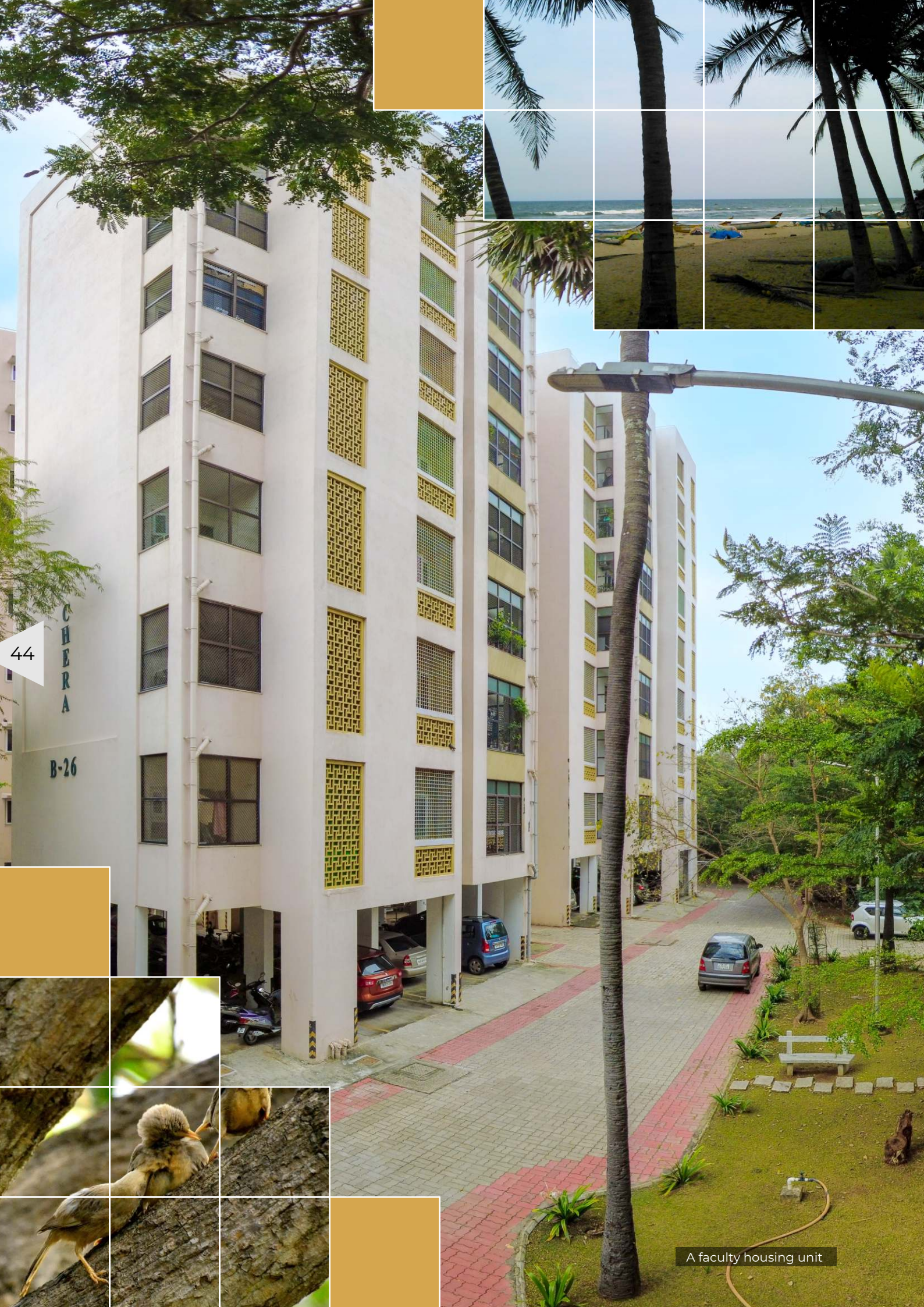
IITM offers Young International Faculty positions at the equivalent level of Assistant Professor for recent doctorates and post-doctoral fellows (Foreign citizens/Non-OCIs) from renowned universities across the globe.

- International faculty will primarily focus on academic research at IIT Madras and can jointly supervise M.S. and Ph.D. students and aid in teaching.
- International faculty with experience are also welcome to join our existing, growing international faculty pool. Dual appointments are possible.

## Advantages for International faculty:

- Work with the best students from India, who are the best globally.
- Pursue independent research in areas of interest.
- Access to funded Ph.D. students.
- Generate funding from externally sponsored research.
- Exposure to Indian industry.
- Opportunities to act as consultants to Indian industries and globally known MNCs.
- Experience India, travel, and enjoy her rich culture.





CHERA

B-26

A faculty housing unit





# CHENNAI

The capital city of the State of Tamilnadu.

One of the most popular tourist destinations  
in the southern fringes of the country.

The medical tourism capital of the world.

The Detroit of Asia.

Ranked among National Geographic's "Top 10  
food cities".

Ranked ninth on Lonely Planet's best  
cosmopolitan cities of the world.

Major film production center and home to the  
Tamil-language film industry.





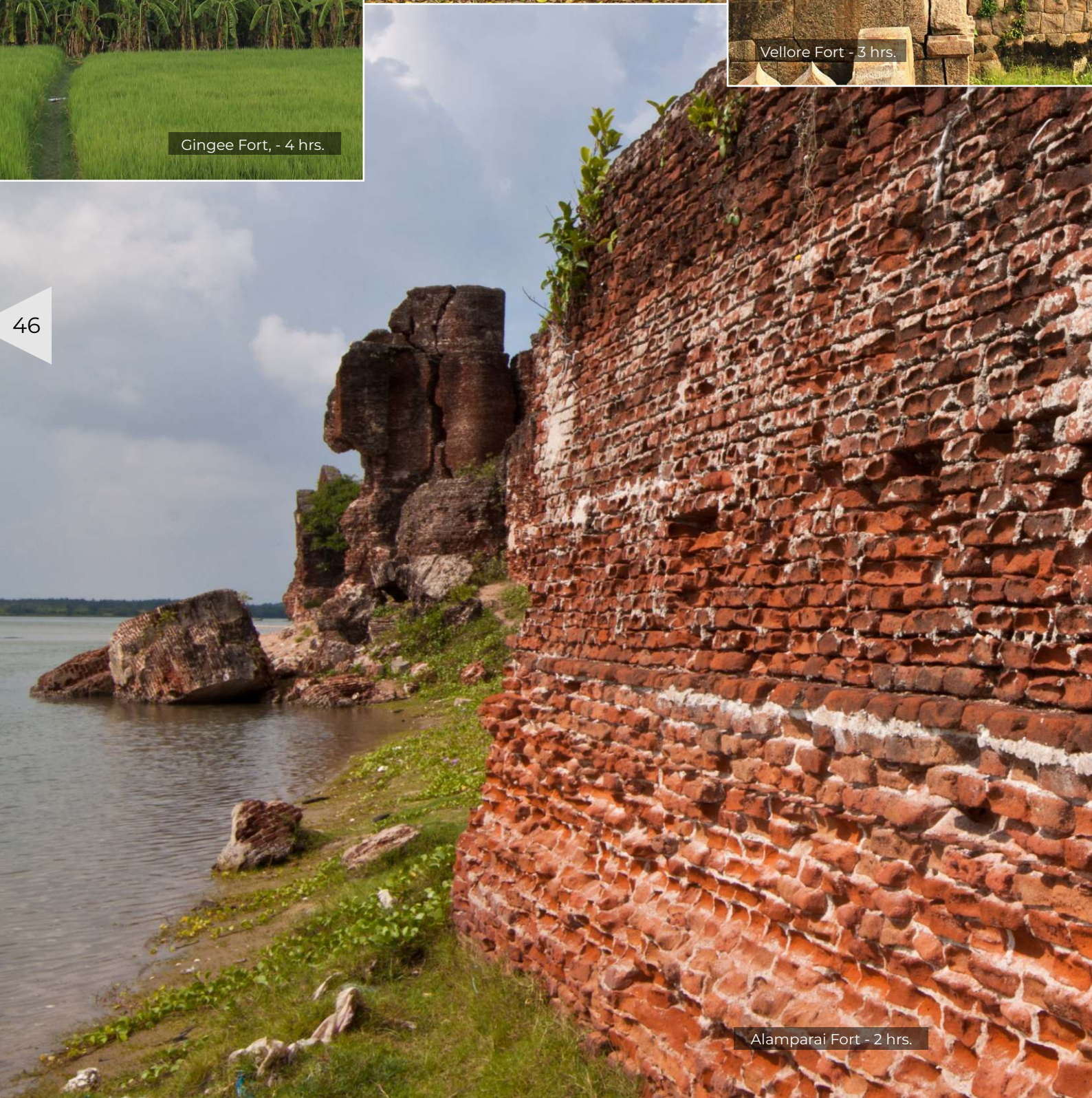
Gingee Fort, - 4 hrs.



Alamparai Fort - 2 hrs.



Vellore Fort - 3 hrs.



Alamparai Fort - 2 hrs.



Discover the unparalleled charm of Chennai, often hailed as the "Gateway to South India," where every corner of the city resonates with a rich cultural tapestry. Embrace a city that not only welcomes people from diverse backgrounds but also nurtures and molds their culture with genuine respect and care.

In Chennai, experience a city that goes beyond being a geographical location; it's a melting pot of tradition, innovation, and warmth, inviting you to embark on a journey of a lifetime.

#### **Global Connectivity:**

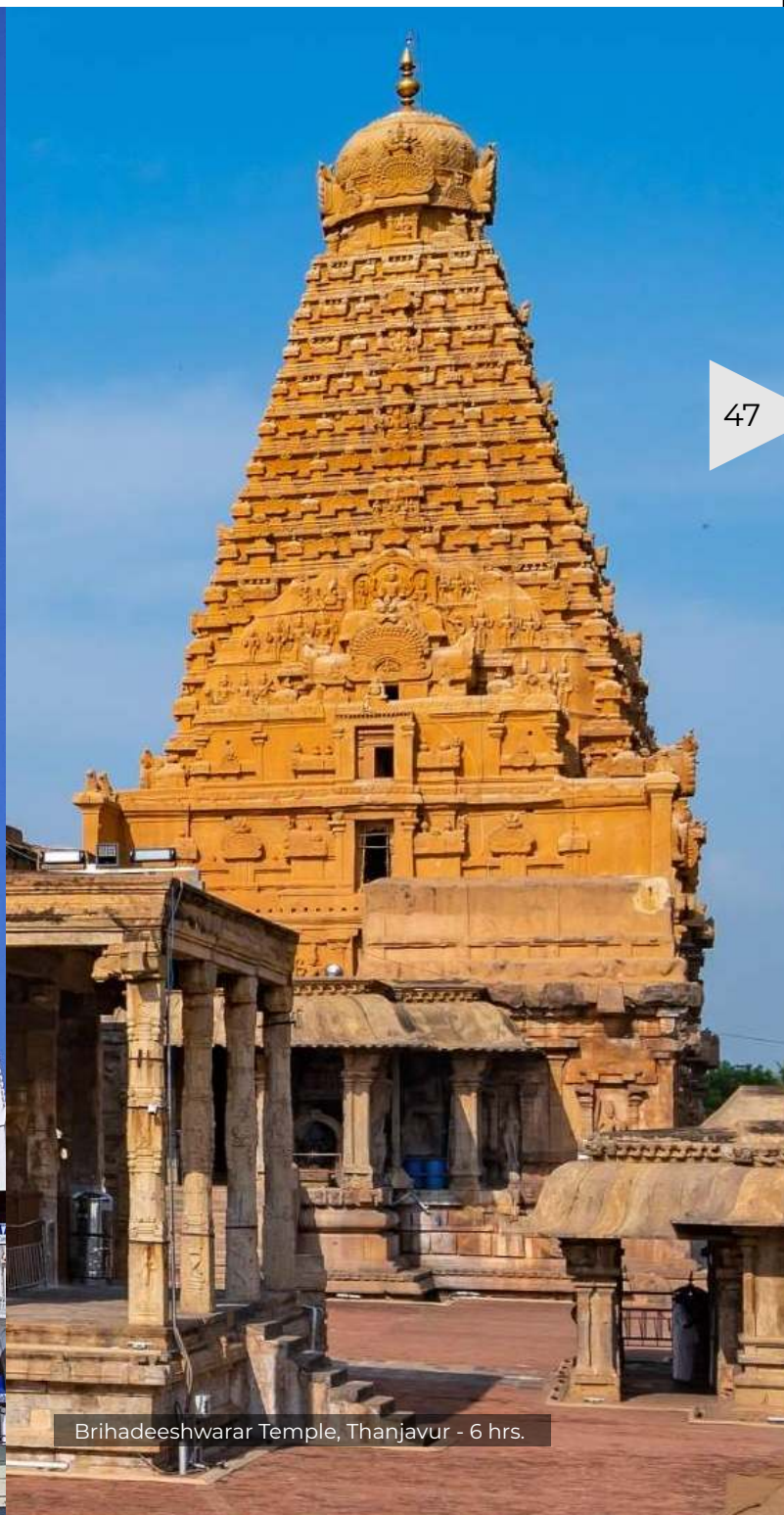
- Well-connected metro city with direct domestic and international flights.
- Seamless access to the world, facilitating endless possibilities and adventures.

#### **Diplomatic Hub:**

- Home to a large number of consulates, fostering a cosmopolitan atmosphere, and ease of visa processing.
- Global perspectives enrich various aspects of daily life.



St. Thomas Cathedral - within Chennai city

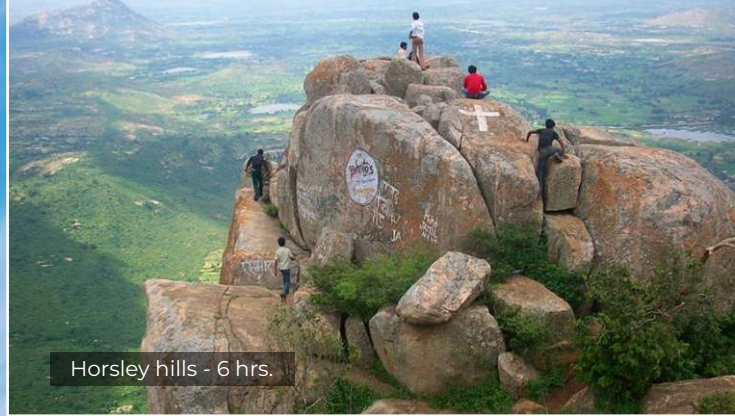


Brihadeeshwarar Temple, Thanjavur - 6 hrs.





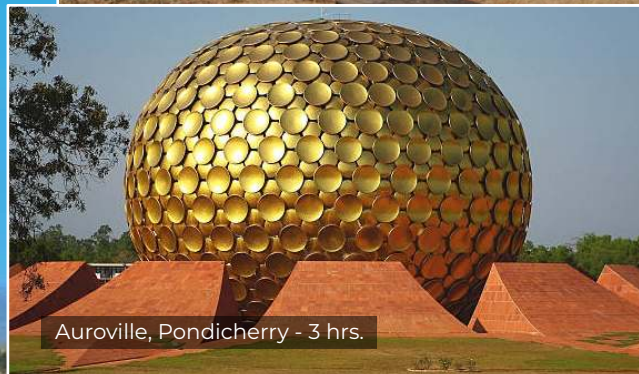
Mamallapuram Light House - 1 hr.



Horsley hills - 6 hrs.



Fort Geldria - 1.5 hrs.



Auroville, Pondicherry - 3 hrs.



Mamallapuram Shore Temple - 1 hr.



**Sunny Weather:**

- Enjoys a tropical climate, but avoids harsh extremes of both summer and winter. November to March are very pleasant.
- Being a sea-side city, it enjoys a pollution free atmosphere.

**Health and Education Hub:**

- Chennai is the medical tourism capital of the world, offering world-class healthcare facilities.
- Exceptional schools offering holistic and quality education.

**Professional Opportunities for spouse:**

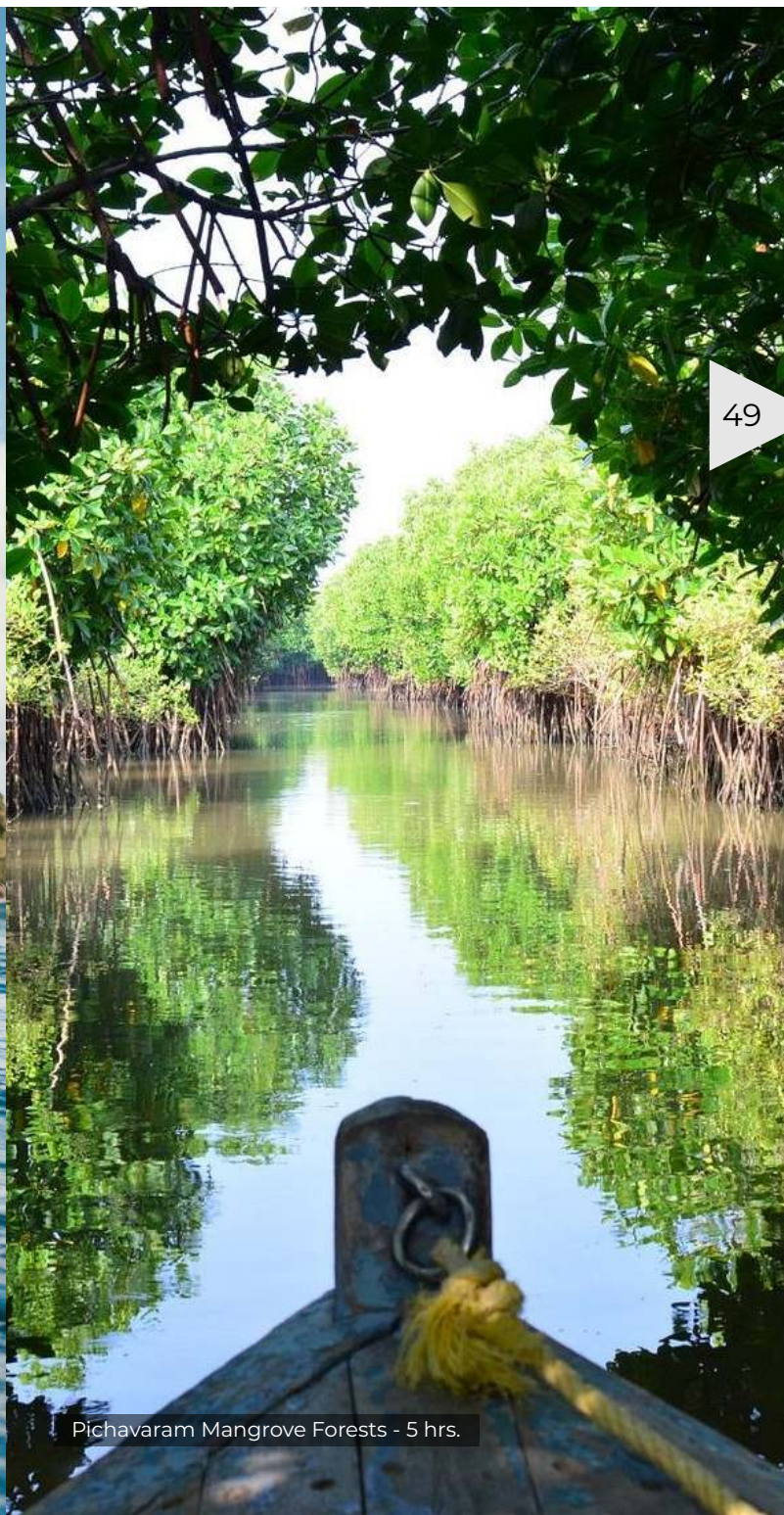
- IT hub, automobile hub, and financial companies provide abundant career opportunities.
- Other opportunities range from arts, design, film studies, consulates, entrepreneurship, and more.

**Friendly Community:**

- Local people known for their warmth and friendliness.
- English widely used, ensuring seamless communication and connection.



Surfing at Pondicherry - 3 hrs.



Pichavaram Mangrove Forests - 5 hrs.





50





**Safety and Security:**

- A safe city, especially for women.
- Provides a secure environment, allowing residents to explore and thrive freely.
- An efficiently policed city.

**Cultural Richness:**

- Cosmopolitan culture due to a significant international presence.
- Spoilt for choice in terms of cuisines and restaurants, creating a vibrant culinary scene.

**Arts and Music Scene:**

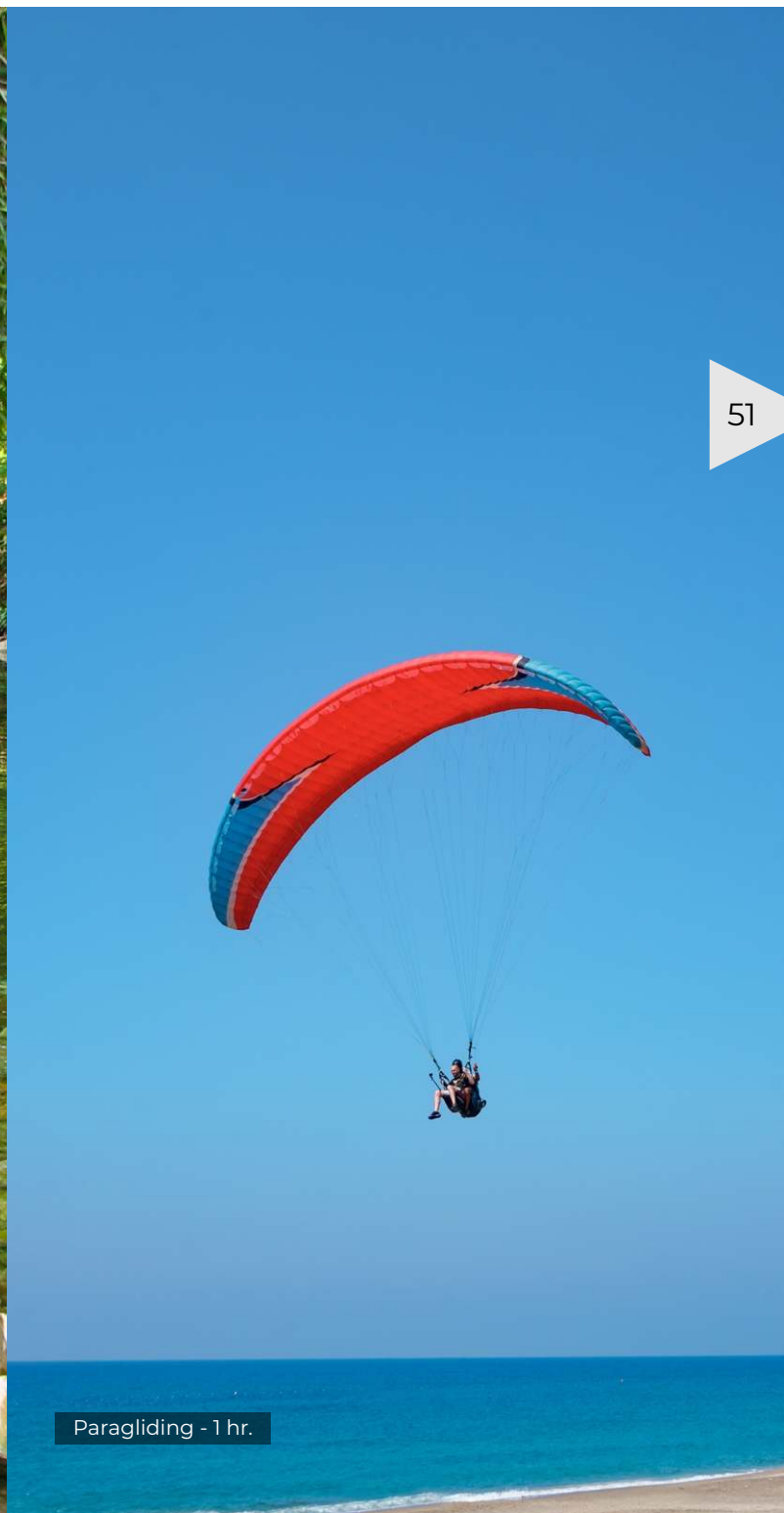
- Rich cultural heritage in music and performing arts.
- The December music festival is globally renowned, offering a world-class cultural experience.
- Jazz and popular music

**Enriching Lifestyle:**

- A dynamic and enriching lifestyle that blends tradition with modernity.
- A journey of endless possibilities and experiences.



Tada Falls - 2.5 hrs.



Paragliding - 1 hr.





Pondy Bazar Shopping - 30 min.



Phoenix Market City Mall - 15 min.





Chennai, known as the Gateway to South India, is a bustling metropolis offering numerous **one-day and weekend excursions** that serve as ideal getaways for both friends and family. Several cultural and natural gems in close proximity to Chennai provide opportunities for rejuvenation away from the urban hustle and bustle. Take a respite from the city's commotion by exploring these enchanting destinations near Chennai, where tranquility meets enjoyment. Whether you choose to unwind on beautiful beaches, delve into history with a fort tour, or explore heritage sites, these locales offer a perfect retreat. Alternatively, escape to cooler climes by embarking on a journey to the nearby hill stations.



**Elliots Beach**  
(15 min.)



**Pulicat Lake**  
(3 hrs.)



**Nagalapuram**  
(2 hrs.)



**Mahabalipuram**  
(1.5 hrs.)



**Pondicherry**  
(3.5 hrs.)



**Pichavaram Mangroves**  
(4 hrs.)



**Talakona Waterfalls**  
(4 hrs.)



**Paradise Beach**  
(4 hrs.)



**Kanchipuram**  
(2.5 hrs.)



**Virupaksha Caves**  
(4.5 hrs.)



**Dakshinchitra Museum**  
(1 hr.)



**Chandragiri Palace**  
(2 hrs.)

and many many more ...



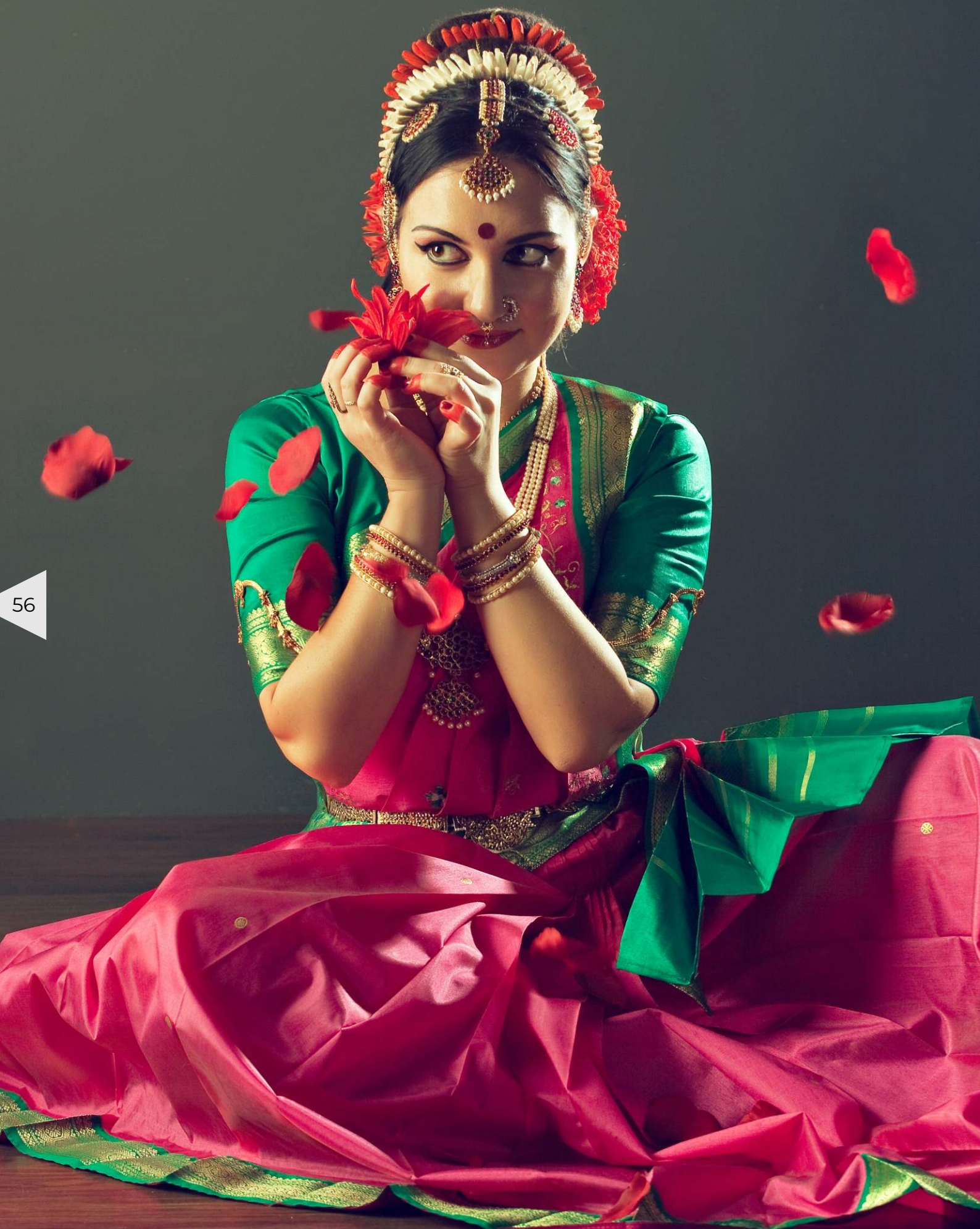






An infinity pool on the scenic East Coast Road that connects Chennai to Mahabalipuram, and home to large number of eateries and resorts.









Play Field Avenue - a late night view





**For more details:**

Visit: <https://facapp.iitm.ac.in>

Contact Email: [fr@iitm.ac.in](mailto:fr@iitm.ac.in)

**URLs of interest:**

IIT Madras : [www.iitm.ac.in](http://www.iitm.ac.in)

IITM Faculty Recruitment : <https://facapp.iitm.ac.in>

IITM Office of Global Engagement : <https://ge.iitm.ac.in>

IITM Research Park : <https://respark.iitm.ac.in>

Industrial Consultancy & Sponsored Research : <https://icsr.iitm.ac.in>