



**WHY IIT MADRAS?**

## **Introduction to IITM**

Formally inaugurated in 1959, the Indian Institute of Technology Madras (IITM), is one among the foremost institutes of national importance in higher technological education, basic and applied research in India. IITM is proud to be the top-ranked engineering institute in India for five consecutive years (2016-2020) as well as the 'Best Educational Institution' in the Overall Category in the NIRF Rankings (2019 & 2020) by the Ministry of Human Resource Development. More recently, IIT Madras has been given the distinction of Institute of Eminence by the Government of India. The QS World University Rankings, 2020 places IIT Madras in the top 50 institutes from Asia and in the top 100 institutes globally in Engineering and Technology. It was also adjudged as the 'Top innovative Institution' in the country in the Atal Ranking of Institutions on Innovation Achievements (ARIIA) 2019 and 2020 launched by the Innovation Cell of MHRD.

## **Academics & Research at IITM**

IITM is internationally renowned for the quality and diversity of its academics and research in various fields of science, technology, humanities and management which is nurtured through various programmes run by its 16 departments and through sponsored programmes funded by national organizations and the industry. The Institute offers undergraduate and postgraduate programmes in a variety of specialisations which are structured to develop the highest quality of scientific and engineering manpower and cater to the needs of industry and R&D organizations.

IITM equips its faculty and students with the best possible facilities to take on the most challenging research problems. The institute has advanced research centres in various disciplines of engineering and pure sciences, with nearly 100+ excellent laboratories organized in a unique pattern of functioning. It also has 37 "Centres of excellence" and India's first university-based research park - "IITM Research Park", to provide state-of-the-art research facilities to students. IIT Madras also encourages research in interdisciplinary areas which has resulted in cutting-edge research, providing solutions in areas of high priority. The Institute files more than 100 patents each year, and its faculty members and students publish around 1500 research papers annually which result in publications in highly acclaimed International and National Journals.

The academic atmosphere at the institute is a rare blend of modern-day technical skills and the traditional emphasis on imparting knowledge. Analytical, rigorous thinking is the hallmark of an IITM education. Students are evaluated on a continuous basis throughout the semester by the faculty and research work is evaluated based on the thesis reviewed by peer examiners, both from within the country and abroad. The medium of instruction is English.

## **The Student Experience on Campus**

IIT Madras is a residential institute with a self-contained campus. There are 591 faculty members, nearly 10,000 students hailing from different parts of the country and 677 administrative & supporting staff working together to contribute to its preeminent status. Almost 18% of the student population comprises women.

With a faculty of international repute, a brilliant student community and a global alumni network, IIT Madras seeks to attract the best students from diverse backgrounds and offer

them an excellent educational experience. The institute currently has collaborations with 250 foreign universities, 18 Joint Doctoral Degree Programs, 6 Joint Supervision Programs and 2 Joint Masters Programs with internationally renowned partner universities. These initiatives have lent a distinct multi-cultural flavour to the environment on campus. The Office of Global Engagement at the institute ensures that international students have all the support they need to have a comfortable and enjoyable experience.

The sylvan estate is located right in the heart of the bustling metropolis that is Chennai. Carved out of 632 acres of forested area, it is a verdant retreat which is home to endangered flora and fauna and a beautiful lake. The institute is situated on SP Road and flanked by the suburbs of Adyar, Taramani and Velacheri. It is located mid-way between the Chennai Airport and the Central Railway station and is well connected by buses and local trains. There are hostels, messes, banks, a hospital, a school, shopping centres, an Olympic-standard swimming pool, a vast stadium, gymnasium, food joints and a café on campus. There are several places of worship located within the estate. Safety in the campus is ensured with round-the-clock security and internal transport services. Campus life for students is never dull with different student clubs and activities, campus festivals and access to the best sporting facilities.

### **Life in Chennai**

Chennai, the capital of Tamil Nadu, is sometimes referred to as the "Gateway to South India," and is located on the south-eastern coast of India. A historic city that is home to a diverse population, it puts you right at the heart of all the opportunities available in India.

Easily accessible from and to all parts of India and across the globe, Chennai is the biggest industrial and commercial centre in south India. As many IITM students come from outside the city and indeed across the world, IITians are part of a close-knit community and it's easy to make friends quickly. The city is host to the third largest expatriate population in India after Mumbai and Delhi.

Topping tourism charts as the third most visited city in the country and the 43rd in the world, Chennai has also been named the best city in India by India Today in 2014, the "hottest" city (worth visiting, and worth living in for long term) by the BBC and is considered one of the "Top 10 Food Cities" by the National Geographic. One can find a unique blend of culture from ancient temple architecture to modern high-rises, from traditional to fast-food, and from classical music and dance to the growing nightlife in the city. Chennai also has some of the most unique attractions in India which are a must for every visitor to experience. With rich heritage hotspots, pristine beaches, and wildlife sanctuaries you will be spoiled for choice.

### **The International Focus at IITM**

With a faculty of international repute, a brilliant student community and a global alumni network, IIT Madras seeks to attract the best students from diverse backgrounds and offer them an excellent educational experience. The institute currently has collaborations with over 250 foreign universities, 18 Joint Doctoral Degree Programs, 6 Joint Supervision Programs and 2 Joint Masters Programs with internationally renowned partner universities. These initiatives have lent a distinct multi-cultural flavour to the environment on campus. The Office of Global Engagement at the institute ensures that international students have all the support they need to have a comfortable and enjoyable experience.

Here is what Thomas Bourany from Sciences Po, France has to say “IITM is one of the most prestigious institutes in India and according to me deserves its reputation. The students are very skilled and studious, and the courses have a high level. The theoretical aspects for most of the courses go really deep into the subjects”.

## **MORE INFORMATION:**

### **RANKINGS**

- Stepping into its 60<sup>th</sup> Diamond Jubilee Year, IIT Madras made it to the top as the 'Best Educational Institution' in the Ministry of Human Resource and Development's (MHRD) National Institutional Rankings Framework (NIRF).
- The prestigious institution also swept top honours in Atal Ranking of Institutions on Innovation Achievements (AIIRA). **(2 years in a row)**
- In the overall category, IITM was ranked No. 1 this year. **(2 years in a row)**
- For the fifth consecutive year, the institute was declared as the No. 1 institution in the country in engineering institutions category in the same rankings.
- IITM also emerged as the 'Top innovative institution' in the country in the maiden edition of the Atal Ranking of Institutions on Innovation Achievements (ARIIA), launched by the Innovation Cell of MHRD in 2018 & 2019, bagging the No. 1 rank in government institutions category.
- Over the years, IITM has consistently worked and made noteworthy improvements in various sub-parameters of NIRF rankings such as student-faculty ratio and quality of faculty, number of patents, number and quality of research publications, sponsored research & industrial consultancy, student placements and higher education, and so on.
- The institution files 140 patent applications a year and along with the increase in research publications every year, it has become possible to cement its global standing

### **PLACEMENTS**

- IIT Madras placements broke new grounds in 2018-19 by shattering previous records.
- Placements increased by 15% in 2018-19 as 964 students got placed.
- Placements also include 97 students from Pre-Placements Offers (PPO) in major Indian and International firms.
- The Number of PPOs also increased this year as a total of 136 PPOs were made during 2018-19, as against 114 in the preceding year, with several offers from large firms such as Microsoft, Qualcomm and Goldman Sachs.
- The Top Five Recruiters for the year were:
  - Micron – 26 offers
  - Intel India Technology Pvt. Ltd – 26 offers
  - Citibank – 23 offers
  - Microsoft – 22 offers
  - Qualcomm – 21 offers
- A total of 51 start-ups also participated in the placements this year. They made a total of 121 offers, of which 97 were accepted. The leading sectors in start-up recruitment were IT (21 %) followed by Analytics (16 %).

- During 2018-19 campus placements, IIT Madras Students received a total of 1,146 offers (including 136 PPOs) from 298 companies that had registered for placements for 2018-19. Among these, there were 21 International offers.

## **COLLABORATIONS**

- IIT Madras has always joined hands with notable partners such as German University and other major IITs to start training groups.
- IIT Madras partnered with GE to launch the first of its kind Cold Spray technology SMART lab in the country.
- IIT Madras united with Trimble to develop Trimble-tech lab for architecture, engineering and construction.

## **INCUBATION CELL/STARTUPS**

- The Institute has achieved many milestones and contributed immensely to the technological, societal and economic development of the country and imparted a major boost to the [entrepreneurial](#) aspirations of the youngsters through its [IIT Madras Incubation Cell](#).
- IIT Madras' GDC enhanced the entrepreneurial capabilities of about 40 startups.
- IIT Madras' start-up GUVI revolutionised the entire recruitment process in its community conference.
- IIT Madras' E-Summit is one of the largest student-run entrepreneurial conferences in the country.

## **INNOVATIONS/RESEARCH**

- IIT Madras launched the DST Centre of Excellence with the Government of India.
- IIT Madras developed MRO technology for GE.
- IIT Madras with ISRO and Tamil Nadu Government became the ideal knowledge partner in transforming Sivakasi into a propellant manufacturing hub as it is the only educational institution that conducts cutting-edge research in the field of explosives and propellants.
- IIT Madras' two-member research team successfully converted petroleum waste products into a beneficial product.
- IIT Madras' group developed a robot to clean septic tanks.
- IIT Madras introduced India's first solar powered desalination plant.
- IIT Madras developed Superstats with ESPNcricinfo to give context to every cricket game.
- IIT Madras discovered a whole new meta-material like that of silicon.

## **RECOGNITION**

- IIT Madras research scholars and professors continue to be the recipients of most of the honourable awards and accolades in the country.
- IIT Madras' Avishkar Hyperloop had a wide reach in the SpaceX competition in California.
- IIT Madras Research Park, the first of its kind in the country serves as a force multiplier in the effort of doubling sponsored research levels.

## **CAMPUS**

- IIT Madras has a wonderful environment with natural flora and fauna which makes it the most beautiful, lush, and green IIT in the country.

- IIT Madras has a pollution free campus as the use of cycles is encouraged.
- Recommended as the best place to study and work by most of the institution's alumni.

### **ACCOMODATION**

- All International students will be provided with single occupancy hostel rooms on payment basis (150 INR/day).
- In case of a semester, the hostel fee would be anywhere between 25,000 to 30,000 INR, depending upon the student's program. This fee is for hostel room as well as mess food for a period of one semester (6 months).

### **FOOD**

- IIT Madras is also known for the best food inside campus.
- The presence of several types of South Indian and North Indian restaurants in the campus makes it a student favourite.
- The campus also has 3 different messes. The cost per day in a mess for a student is 180 INR. This includes breakfast, Lunch and Dinner.

### **LOCATION**

- IIT Madras is the best choice for engineering aspirants from all of South India.
- IIT Madras is located in the heart of the city to aid students with everything they desire.

### **COURSES**

- IIT Madras offers a wide range of curricula in a wide variety of disciplines.

**ALL THE ABOVE FEATURES MAKE IIT MADRAS THE BEST AND FOREMOST CHOICE  
FOR MAKING YOUR DREAMS COME TRUE!**

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