PLACEMENT & INTERNSHIP BROCHURE
2024 - 25

INDIAN INSTITUTE OF TECHNOLOGY MADRAS

INDEX

WELCOME ADDRESS BY OUR PATRONS

MESSAGE FROM OUR DIRECTOR

Prof. KAMAKOTI VEEZHINATHAN

Placement and Internship are pivotal in every student's professional journey, as they serve as gateway to promising careers on culmination of years of their academic preparation. At IIT Madras, placement and internship are kept dynamic and exciting for all students aspiring to succeed in their careers.

The recent establishment of our new Career Pathway Centre marks a significant advancement in IIT Madras' commitment to student success. This integrated platform combines placement, internship, career development, and entrepreneurship services, offering comprehensive support to our students as they navigate various career paths.

As India's premier institution, IIT Madras maintains its leadership by fostering/cultivating strong partnerships with organizations worldwide. These collaborations extend beyond recruitment to encompass collaborative research and knowledge exchange. The curriculum and training provided to our students will undoubtedly prove beneficial to recruiters, with our students poised to exceed expectations.

We extend our heartfelt gratitude to our esteemed recruiters and eagerly anticipate fruitful collaborations ahead. We wish our students, to approach this career milestone with confidence, clarity, and purpose. A warm welcome to the IIT Madras Placement and Internship Season 2024-25!

MESSAGE FROM OUR DEAN OF STUDENTS

Prof. SATHYANARAYANA GUMMADI

At IIT Madras, our newly established Career Pathway Centre (CPC) exemplifies our commitment to fostering a collaborative ecosystem that integrates entrepreneurship, industry, academia, and students. This unified platform enhances our ability to provide comprehensive career support and development opportunities.

Our students are remarkably resilient, channeling uncertainties into motivation for academic and research excellence. The Career Pathway Centre, which includes our Placement & Internship Cell, is dedicated to working closely with industry partners. Our dual aim is to help students secure placements and internships while connecting organisations with professionals who will drive their missions forward. This centralized approach allows CPC to offer students enhanced training, networking opportunities, and exposure to entrepreneurial ventures, ultimately improving their employability and career readiness.

We are confident that this season's collaborations will yield highly productive outcomes for all. Here's to a successful Placement and Internship season at IIT Madras!

MESSAGE FROM OUR
CPC CHAIR

Prof. SATHYAN SUBBIAH

At the Career Pathway Centre of IIT Madras, our objective is to empower students to independently navigate and decide their career paths. Our institution takes immense pride in nurturing top-tier minds and developing them into well-rounded individuals who excel not only in rigorous academics but also in diverse extracurricular pursuits. This development ensures that our students are primed to become leaders in their chosen fields.

Our illustrious alumni have repeatedly demonstrated their ability to drive innovation and spearhead growth, even in challenging economic landscapes.
To connect with our talented students, you can explore:
(a) internship opportunities, allowing you to witness their capabilities firsthand in real-world scenarios,
(b) full-time recruitment opportunities, at which our students are capable of making immediate and significant contributions to your esteemed organisation

By choosing talent from IIT Madras, you're not just hiring employees; you're investing in your organisation's future leaders. Welcome once again, and we trust that your experience of recruiting at IIT Madras will be a fulfilling one and you will come back focus for your future requirements also.

MESSAGE FROM OUR
P&I ADVISOR

Prof. P. MURUGAVEL

I warmly welcome all of you to our beautiful verdant campus to explore and meet with our students; I assure you that you will find many excellent opportunities to expand your human resource requirements. Our students are among the best in the country, and are well trained in both academic and non-academic pursuits during their tenure at IIT Madras. The internship program provides an opportunity to have an early interaction with the students, as interns, to explore the match between the requirements of your organisation and the student's aspirations. In many cases, companies have directly absorbed these interns in their organisations as employees.. As both interns and regular employees, I can assure you that our students willplay a pivotal role in taking your organisation to greater heights. So, I invite you to come and meet with our students. Looking forward to seeing your team here soon for the Placement and Internship process.

MESSAGE FROM OUR
P&I CO-ADVISOR

Prof. PARASURAMAN SWAMINATHAN

IIT Madras creates graduates of outstanding caliber at the undergraduate and postgraduate levels year after year. Our alumni have a proven track record of professional success, and we expect to keep this going with the 2023-2024 batch. Our students are well trained on fundamental concepts and engineering applications by top-notch faculty and staff who are some of the best in the country.

In addition to the well-established academic programmes, IIT Madras has started novel Interdisciplinary Dual Degree Programmes in domains such as Advanced Materials and Nanotechnology, Biomedical Engineering, Data Science, Energy Systems, Robotics, and Tech MBA. This would ensure that IIT Madras graduates are well-versed in both the fundamentals of their domain and are equipped to understand and shape the future of science and technology.The Placement and Internship office at IIT Madras serves as a link between two important stakeholders: our students and you, our valued recruiters.

IITM News

No. 1 position in categories "Overall" (for the **5th time consecutively**), "Engineering" (**8th time in a row**), ranked **No. 2** in categories "**Research**" and "**Innovation**", in a clean sweep at the NIRF India Rankings
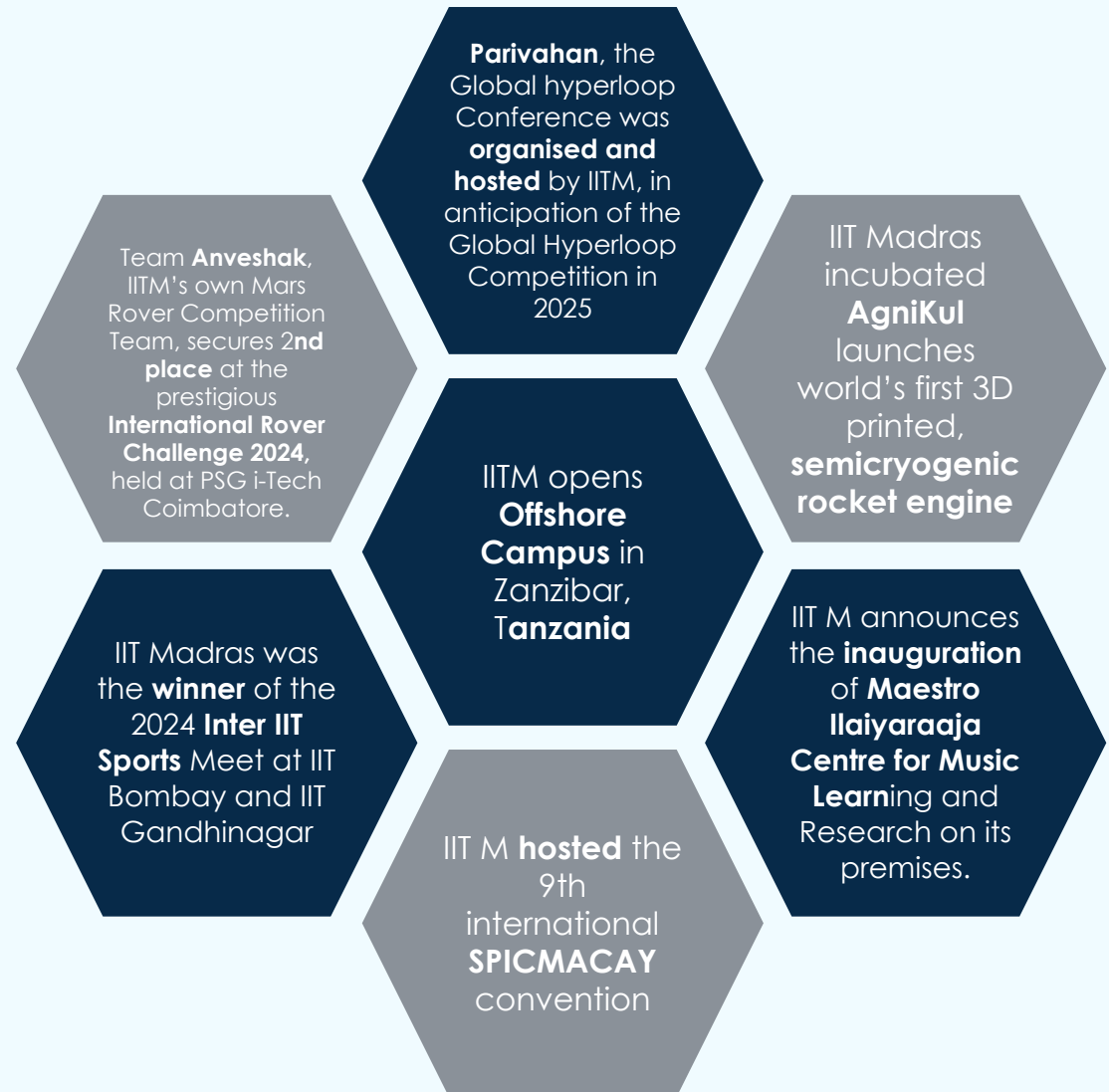
Atal Rankings of Institutions on **Innovation Achievements** (ARIIA) 2021 ranking **No 1** for the third consecutive year

Established in 1959, Indian Institute of Technology Madras is one of the foremost institutes of national importance in technical education and applied research.

It has been instrumental in nurturing the dreams and aspirations of some of India's brightest minds through a mix of intensive curricular, co-curricular and entrepreneurship activities. The programs are aimed at developing in each student, a mastery of fundamentals, versatility of mind and motivation for learning, have resulted in well rounded leaders of the highest professional competence.

Parivahan, the Global hyperloop Conference was **organised and hosted** by IITM, in anticipation of the Global Hyperloop Competition in 2025

IIT Madras incubated **AgniKul** launches world's first 3D printed, **semicryogenic rocket engine**

Team **Anveshak**, IITM's own Mars Rover Competition Team, secures 2**nd place** at the prestigious **International Rover Challenge 2024**, held at PSG i-Tech Coimbatore.

IITM opens **Offshore Campus** in Zanzibar, **T**anzania

IIT M announces the **inauguration** of **Maestro Ilaiyaraaja Centre for Music Learn**ing and Research on its premises.

IIT Madras was the **winner** of the 2024 **Inter IIT Sports** Meet at IIT Bombay and IIT Gandhinagar

IIT M **hosted** the 9th international **SPICMACAY** convention

Our Students

The USP of the IITs is the fact that they take in the cream of the talented students every year. The confluence of a multitude of skill sets exhibited by the students helps each of them to have an exponential growth in their earning curve. The institute provides students an environment to pursue their passions, be it tech, sports, music or arts.

This existing healthy amalgam of academics and extracurriculars in the institute, each given equal importance aimed at nurturing students to exhibit maximum competence in any field, imbibes both confidence and ability in the students to achieve what they want. World class cultural, technical and sports festivals of large magnitude organized entirely by the students manifests their managerial skill set.
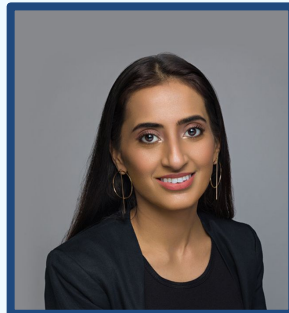
Our Alumni

Sridhar Vembu
Founder, Zoho corp.
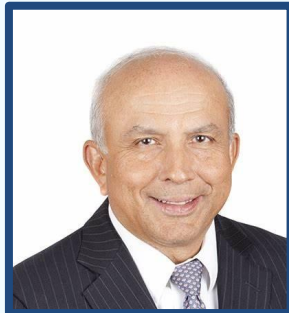
Prem Watsa
Founder, Fairfax Financial.
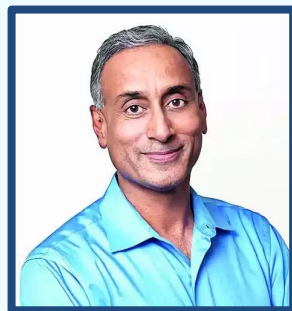
Vineeta Singh
Founder, SUGAR cosmetics.

Senapathy Gopalakrishnan
Co-founder of Infosys; Chairman of Axilor Ventures.

Dr. Sudhir Kumar Mishra
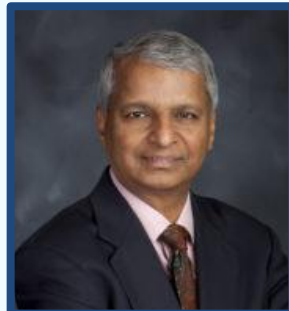CEO, BrahMos Aerospace, DRDO.

Dinesh Kanagaraj
Founder, FabHeads

Prabhakar Ragavan
Senior VP, Google..

Suresh Kumar
CTO & CDO, Walmart Inc.

Gururaj Deshpande
Venture capitalist

Ram kishan Verma
Founder, Resonance Eduventures.

Anand Ramarajan
Co-Founder Cambrian ventures. Former Director of tech, Amazon Inc.

Dr. Sridhar R. Tayur
Founder, SmartOps. Prof, Carnegie Mellon.

Timeline

September
Company registration begins

December
Placement drive begins

Placement drive continues till end of academic year

Procedure

Online Registration	Talks & Assessments	Interviews

Interested companies register online on the Placement portal, by filling out the **Employer Registration Form** (ERF).

Pre-Placement talks can be conducted online or in-person. Companies can conduct written or online tests until November and can conduct GDs as well.

Placement interviews start **December 1**. Companies submit selections and waitlists after each slot.

Academic Programmes & Admission

B.Tech

This 4-year educational program aims to teach the **fundamentals** of professional engineering to young students. It features a final-year 2-semester project to foster original research, providing **exposure to advanced technology** and cutting-edge research at the institute.

M.Tech

This 4-semester program offers a blend of **industry-oriented coursework and research**. The curriculum includes core courses, electives for a strong theoretical foundation, and a final-year project and seminar.

Dual Degree

This 10-semester program awards a BTech in a basic engineering field and an MTech in **specialized** areas. Students complete additional specialized courses and undertake a **year-long** project guided by a professor.

B.Sc

The 4-year program in **Data Science** offers a comprehensive curriculum in **data analysis, machine learning, and computational techniques**. It equips students with the skills needed for careers in data-driven industries, research, and advanced studies in data science.

B.S

The 4-year educational program focused on integrating **medical and engineering** disciplines. It provides students with a strong foundation in medical science, combined with technical and research skills, preparing them for careers in healthcare, research, and related fields.

M.B.A

The 2-year management program at IIT Madras focuses on key functional areas like **Finance, HR, and Operations**. Students learn from interactions with industry leaders and receive **strong training** in analytical tools and techniques.

M.Sc

The two year program combines theory and hands-on experience for academia and industries. Led by professors, it includes labs, a final project, and seminars to develop **modern** computational skills and critical thinking.

M.S

This 2-3 year PG research program prepares students for scientifically rigorous roles in industry and academia. Students' research is **published** in reputed national and international conferences and journals.

Ph.D

This rigorous 4-5 year research program establishes candidates' ability to pursue **independent research** and careers in industry or research labs. Students' work is published in reputed national and international conferences and journals.

IDDD

Interdisciplinary dual degree programs allow students from any branch to specialize in fields like Advanced Materials and Nanotechnologies, Computational Engineering, Cyber-Physical Systems, Data Science, Energy Systems, Quantum Science and Technology, and Robotics, broadening their knowledge domain.

MA

The MA programme is a unique 2-year integrated, multidisciplinary course with three major streams: Development Studies, Economics, and English Studies. Each stream offers a theoretical foundation and prepares students for careers in academia, publishing, policy, and other social sectors.
Integrated MA Program in either English Studies or Development Studies provides students with a versatile background and interdisciplinary approach to problems over the course of 5 years.

ENTRANCE EXAMINATIONS

J.E.E(Joint Entrance Examination)
B.Tech   (4 years)
Dual Degree   (5 years)
IDDD   (5 years)
B.S   (4 years)

G.A.T.E(Graduate Aptitude Test in Engineering)
M.Tech   (2 years)
M.S   (2.5 years)
MA   (2 years)

JAM
M.Sc   (2 years)

CAT
M.B.A   (2 years)

UGC NET/JRF
Ph.D   (4 years)

Departments and Demographics

Department of Aerospace Engineering

The Department of Aerospace Engineering stands at the forefront of fundamental and applied research and development and has been actively involved in research activities of national importance with professor supervised Projects under ISRO, HAL and VSSC to name a few.

The department offers B.Tech, Dual Degree, MS, M.Tech and Ph.D programmes.

Refer to AE IITM for more details.

Students in the department are skilled in
-Rocket Propulsion
-Imaging techniques
-Probabilistic framework
-Computational Fluid Dynamics

● B.Tech ● Dual Degree ● M.Tech ● M.S ● Ph.D

● Dual Degree ● M.Tech ● M.S ● PhD
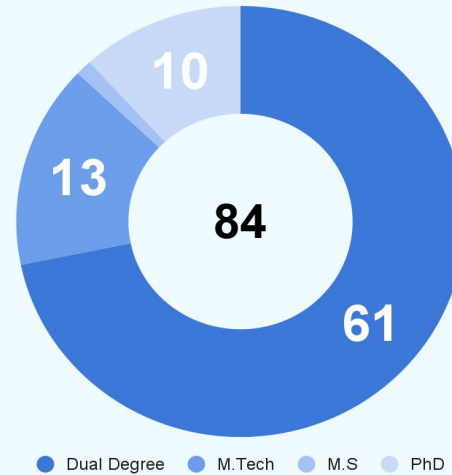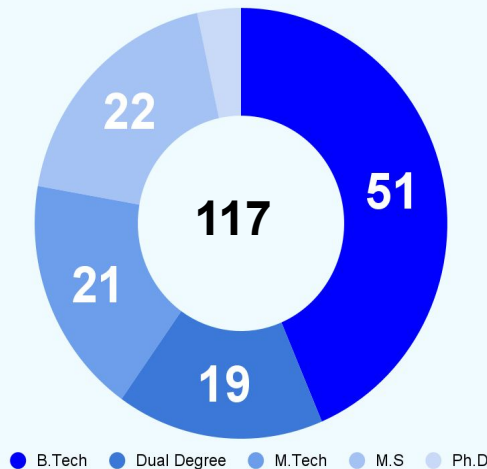
Department of Biotechnology

The Department of Biotechnology is an multidisciplinary program that broadly encompasses four major domains: Biological Sciences, Biomolecular Sciences, Computational Biology, and Biological Engineering.

This department possesses the finest infrastructure for carrying out research in proteomics, genomics, bioprocess engineering and computational biology as well as in Bioprocess engineering

It offers B Tech, M Tech, BS, MS and PhD programmes in Biotechnology along with M.Tech and PhD programs in Clinical Engineering, a joint initiative by IIT Madras, Sree Chitra Tiruna IIMST & CMC Vellore . Refer Biotech IITM for more details

Department of Applied Mechanics & Biomedical Engineering

Applied Mechanics department works in broad areas of Solid Mechanics, Fluid Mechanics, and Biomedical Engineering.

The department offers M.Tech, MS and PhD programmes. M.Tech (Clinical Engineering) is a unique programme offered in collaboration with two prestigious institutes. This department works in collaboration with government bodies like ISRO, DRDO, and DHI. Students in the department are highly skilled in technologies such as Machine Learning, Data Science, Finite Element Analysis, Computational Fluid Dynamics, Biomechanics, Medical Imaging and Instrumentation. Refer APM IITM for more details.

● M.Tech ● M.S ● Ph.D
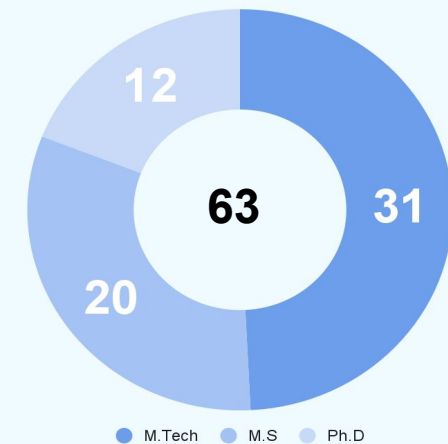
Departments and Demographics

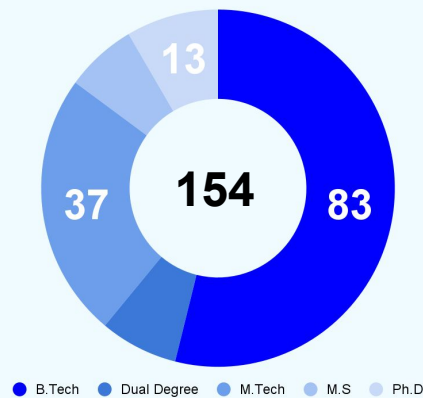## Department of Chemical Engineering

The Chemical Engineering department's vision is to be a global centre of academic and research excellence in Chemical Engineering Sciences and Technology.

It includes state of the art lab facilities, the best Sophisticated Analytical Instrumentation Facility (SAIF) and the Process Control and Systems engineering group has been ranked among the best worldwide.The department offers B.Tech, Dual Degree, M.Tech, MS, PhD programmes as well as M.Tech Program in Catalysis Technology. Students pursue courses in fields like systems engineering, soft matter, polymers, energy and environment etc.

Students in the department are exposed to courses and lab experiences including
-Computational Programming & Process Simulation Lab
-Thermodynamics Lab
-Computational Techniques
-Fluid and Particle Mechanics

Refer Chemical IITM for more details.

Chemical Engineering — Total 154
- B.Tech: 83
- Dual Degree: (chart)
- M.Tech: 37
- M.S: (chart)
- Ph.D: 13

Center chart — Total 212
- B.Tech: 87
- Dual Degree: 4
- M.Tech: 92
- M.S: (chart)
- Ph.D: 20

Department of Computer Science Engineering

The CSE Department at IIT Madras brings together a highly talented and motivated set of professors and students, with a wide range of expertise in various domains of CSE such as Machine Learning, Deep Learning, Data Science, Artificial Intelligence, Cyber Security, High-Performance Computing, Algorithms and Complexity.

A strong foundation in the core aspects of CSE that can be applied to solve practical and large scale system problems is a key component of the CSE curriculum both in the theory courses as well as the labs.

The Department offers B.Tech, Dual Degree, M.Tech, MS and PhD programs.
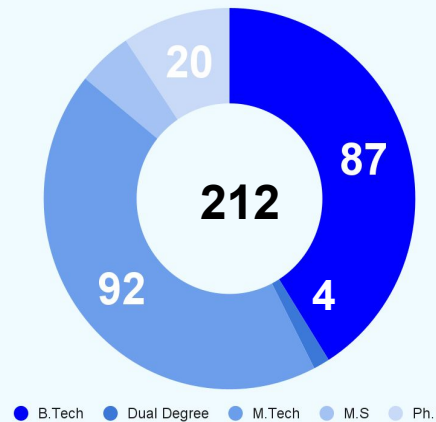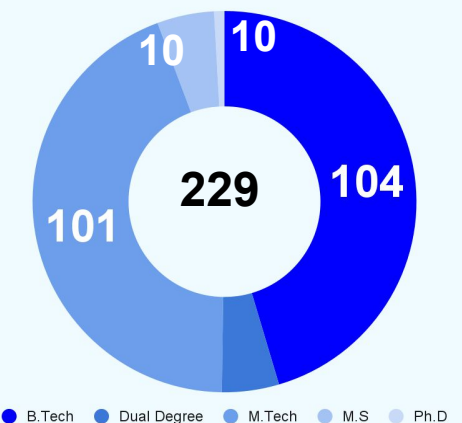Refer to CSE IITM for more details

Department of Civil Engineering

The Department of Civil Engineering offers courses that encompass Planning, Design, Construction and Management of engineering projects.
Our students work on projects that are at the forefront of technological advancements in this field.The department offers programs in B.Tech, M.Tech,MS and PhD.
Major Areas of focus include Building Technology, Construction Materials and Management (BTCM), Environmental Engineering (EE) and Structural Engineering (ST). Refer to CE IITM for more details

Civil Engineering — Total 229
- B.Tech: 10
- Dual Degree: 104
- M.Tech: 101
- M.S: (chart)
- Ph.D: 10

Departments and Demographics

Department of Electrical Engineering

This Department is one of the most sought after departments of the Institute which works in the frontier areas of communications, micro-grids, integrated circuits and systems, microelectronics, electromagnetics and photonics, and biomedical devices aiming at industry, research and defense labs, hospitals and the government.

It counts one DBT Ramalingaswami Fellow , many IEEE, Bhatnagar, Swarna Jayanti awardees and editors of prestigious professional journals among its faculty. The department offers B.Tech, Dual Degree, M.Tech, MS and Phd programs. Refer to EE@IITM for more details.

(Chart)
93
7
14
72

● Dual Degree ● M.S ● Ph.D

(Chart)
294
28
47
126
73

● B.Tech ● Dual Degree ● M.Tech ● M.S ● Ph.D
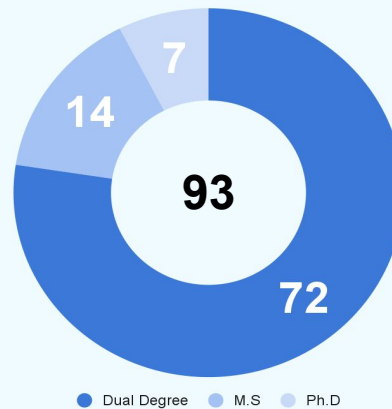
## B.Tech in Engineering Physics

The B.Tech in Engineering Physics is a unique program jointly offered by the Department of Electrical Engineering and the Department of Physics with a well-tailored assembly of core courses from both departments.

It consists of courses like Signal Processing. Digital and Analog Systems, Solid State Physics, Quantum Computing. and Quantum Information, etc., which give students a strong background in electrical engineering and in-depth knowledge of the underlying physics. Refer to PHYSICS IITM for more details.

Department of Engineering Design

The department aims to develop design professionals with a strong multidisciplinary background and a focus on Automotive Engineering, Biomedical Design, and Robotics, encompassing Optimization, Machine Learning algorithms, Data Science techniques..A unique feature of the dual degree curriculum is the semester-long internship.
This is the only interdisciplinary department in the country with a very specific focus on form design and functional design, with domain expertise.The department offers Dual Degree and PhD programs.Refer to ED IITM for more details.

(Chart)
40
8
32

● B.Tech ● Dual
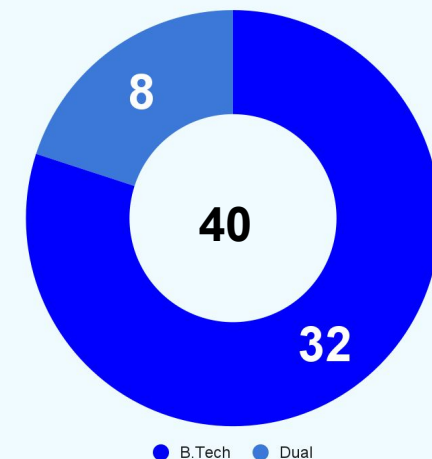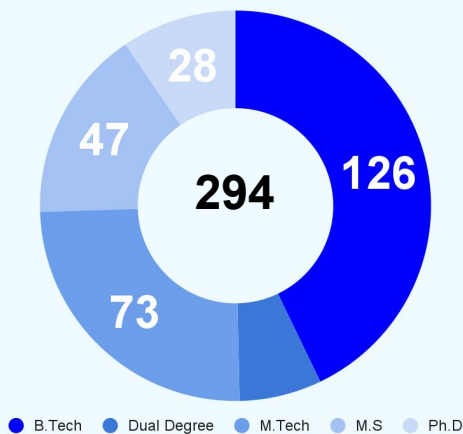
Department of Humanities and Social Sciences

This department is one of the oldest in the institute. The department offers a MA programme for 2 years across three streams of Development studies, Economics and English studies and an Integrated MA programme of 5 years for English Studies and Development Studies.

Development Studies stream focuses on Economics, Econometrics, International Relations, Urban Studies, etc. while English Studies covers History of Literature, Linguistics, Cultural Studies etc.. Final year students undergo a year long thesis project before pursuing diverse careers in the workforce or academia. It also offers a phD program. Refer to Department of Humanities and Social Sciences for more details.

87

48 / 22 / 17

● M.Sc   ● M.Tech   ● Ph.D
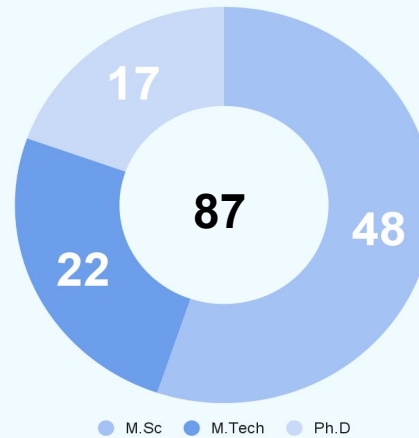
Department of Mathematics

This department offers programs of M.Tech in industrial mathematics and Scientific computing, M.Sc and PhD, by providing the foundation in computational mathematics that is required for many fields of modern endeavours such as science, technology, finance and engineering.

Active research and extensive curriculum in fields of Algebra and Analysis, Discrete mathematics, Mathematical Modelling, Probability and Applied statistics,Combinatorial analysis, Topology, Stochastic processes,Data visualization, and basic applications of computer science prepares student to intersect the demand of industries using technologies. The Department also offers cross-disciplinary opportunities through electives. Refer to Dept of Mathematics for more details.

118

48 / 58 / 12

● Integrated B.A+M.A   ● M.A   ● Ph.D
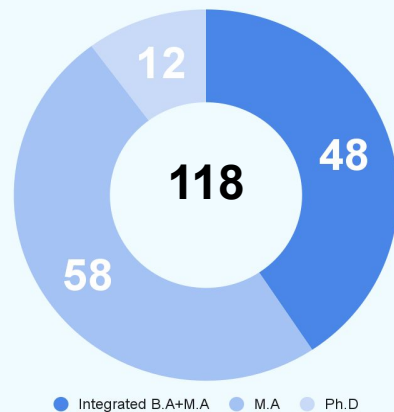
Department of Management Studies

Apart from its traditional M.B.A programme,the department boasts itself by offering an M.S (Entrepreneurship) program and a Ph.D program at the research level. It also offers an MBA program for middle & senior-level executives.

The department has several domains such as Operations, Finance, HR & OB, Information Systems, Marketing, & Integrative Management. An M.S/Ph.D research scholar develops expertise in a particular domain of his/her choice by pursuing research in the same. Faculties are among the top researchers in the country and in the world. Refer to DoMS - IIT Madras for more details.
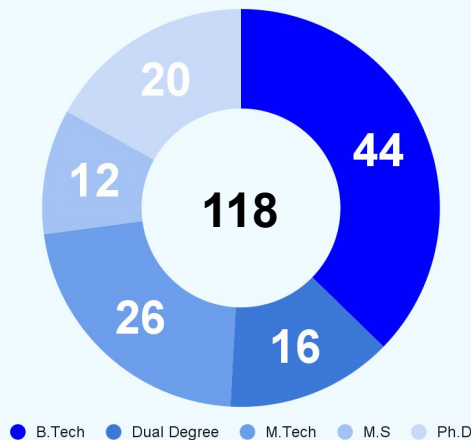
85

13 / 67

● MBA   ● M.S   ● Ph.D
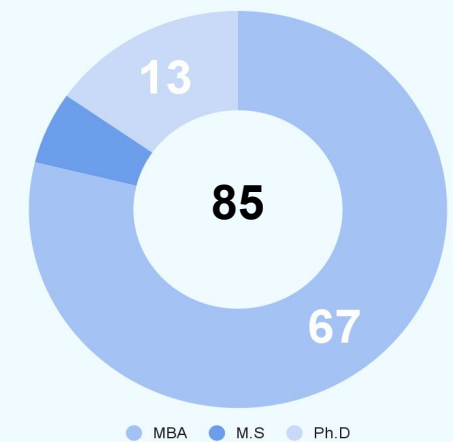
Department of Metallurgical and Materials Engineering

This Department offers B.Tech, Dual Degree, M.Tech, MS & PhD programs and draws in faculty's expertise in a variety of areas like materials technology,iron & steel technology,computational engineering, etc. to equip the students with an unmatched skill set in these areas.
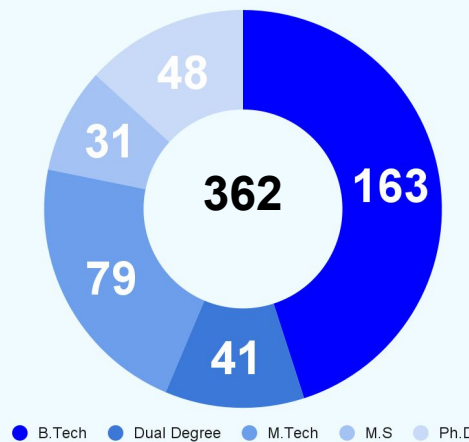
The emerging areas in materials science such as nanotechnology, fuel cells, bio materials, and additive manufacturing are also covered through the course. Refer to Metallurgical and Materials Engineering, IIT Madras for more details

362

- 163 B.Tech
- 41 Dual Degree
- 79 M.Tech
- 31 M.S
- 48 Ph.D

● B.Tech ● Dual Degree ● M.Tech ● M.S ● Ph.D

118

- 44 B.Tech
- 16 Dual Degree
- 26 M.Tech
- 12 M.S
- 20 Ph.D

● B.Tech ● Dual Degree ● M.Tech ● M.S ● Ph.D

Department of Mechanical Engineering

This Department of IIT Madras is one of the oldest and biggest Departments of the institute. The departmental activities can be categorized into 3 major streams, namely Design, Manufacturing and Thermal Engineering.

With 9 equipped laboratories and 40 distinguished faculty members, IITM gives students, opportunity to pursue their interest in this domain. Students are exposed to both academics and industry through their final year projects and industrial training Internships. It offers B.Tech. Dual Degree. M.Tech, MS and PhD programs. Refer to Mechanical Engineering for more details.

Department of Ocean Engineering and Naval Architecture

It was initially established as an Ocean Engineering Center and later upgraded to an academic department which is now equipped with world class unique experimental facilities and has a strong association with industries forged through consultancy projects, sponsored research and student internships.
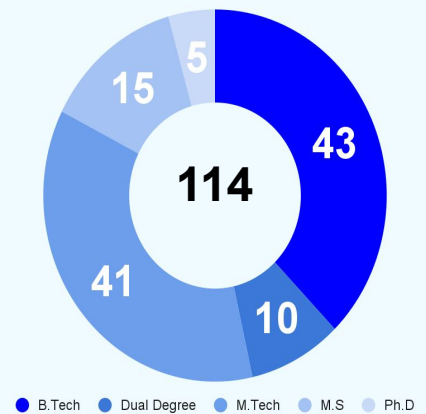
The academic degree programs offered by the department are B.Tech and Dual Degree (Naval Architecture) or Applied Mechanics M.Tech (Ocean Engineering and Petroleum Engineering). MS and PhD programmes. Refer to Naval Architecture – Department of Ocean Engineering for more details.

114

- 43 B.Tech
- 10 Dual Degree
- 41 M.Tech
- 15 M.S
- 5 Ph.D

● B.Tech ● Dual Degree ● M.Tech ● M.S ● Ph.D

Departments and Demographics

Department of Chemistry

The Department of Chemistry at IIT Madras has been engaged in imparting the highest level and quality of Chemistry Education and has focused upon addressing key scientific problems which have gathered worldwide appreciation and recognition. It has 34 faculties on roll who work in synthesis, property examination and theoretical aspects of matter at molecular level. They have adequate equipment for carrying out cutting edge science and our research findings are published in peer reviewed journals.The department imparts education towards the award of M.Sc and Ph.D degrees.Refer to CHEM IITM
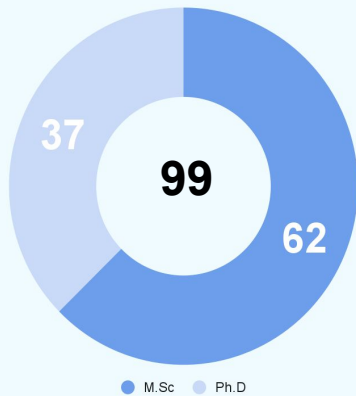
Department of Data Science and Artificial Intelligence

The department enables close collaboration between domain experts and AI researchers to enable solutions that integrate AI with existing domain knowledge and approaches.The department's vision is to ultimately place the school amongst the top centres in the world for research in three key areas, with special emphasis on AI for Healthcare.The department offers a BTech in AI & Data Analytics, an MTech in Data Science and AI, and also multiple programmes for international students. Refer DSAI IITM for more details

Department of Physics

Apart from the B.Tech in Engineering Physics, the other programs in this department are the B.S and M.Sc Dual Degree program in Physics, the M.Tech in Solid State Technology with a one-year project, the Ph.D. program which offers several exciting frontier research areas as well as M.Sc.

In addition, students do research projects with the faculty members and sponsored research internships which prepares them well for a career in the industry as well as in academics. Refer to PHYSICS IITM for more details.
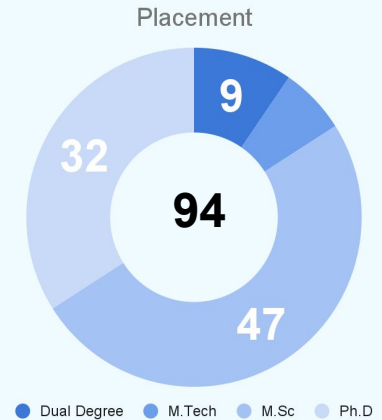
Department of Medical Science and Technology

This Department, founded in 2023, carries out fundamental and applied research programs connecting various medical disciplines like Cardiology, Neurology and Neurosurgery, Orthopedics, Nephrology and Urology, Perinatology, Gastroenterology and Hepatology and Diabetics.

The clear proposition of the department will be to conduct research from the clinical end of spectrum rather than from the engineering end. It covers research in various areas This department offers B.S, M.S and PhD programs. Refer to Medical Sciences & Technology IITM for more details.

99

37 | 62

● M.Sc ● Ph.D

Placement

94

9 | 32 | 47

● Dual Degree ● M.Tech ● M.Sc ● Ph.D

Inter Disciplinary Dual Degree (IDDD)

Computational Engineering Develops tools for solving complex engineering problems through computational methods, focusing on algorithms, data structures, and high-performance computing for efficient computation.

Cyber Physical Systems Integrates computation, networking, and physical processes for smart systems, with applications in smart grids, autonomous vehicles, medical monitoring, and industrial control systems.

Public Policy Trains engineering students in policy sciences for effective policy design and implementation, offering opportunities for internships and projects with government bodies, think tanks, and NGOs.

Quantum Science and Technology Specializes in quantum computation, quantum information, and experimental techniques, with applications in secure communications, sensitive measurements, and advanced computing.

Tech MBA Provides management education with a focus on new technologies, enhancing knowledge in business functions, teamwork, leadership, and enterprise transformation.

Robotics Focuses on design, analysis, and application development of robotic systems, covering basic robotic technologies, autonomous robots, AI, neural networks, and reinforcement learning.

Quantitative Finance Prepares students for careers in finance with advanced knowledge of quantitative finance and risk management, bridging the gap between modern finance technologies and theoretical concepts.

Data Science Covers all aspects of technology for data gathering, storage, analysis, and understanding, with applications in business analytics, finance, bioinformatics, and natural sciences.

Electric Vehicles Develops professionals for engineering and development of various types of electric vehicles, focusing on vehicle dynamics, battery engineering, power electronics, and embedded systems.

Energy Systems Equips students with skills in evolving energy technologies and energy economics, covering applications in thermal power, renewable energy, nuclear reactors, and energy policy.
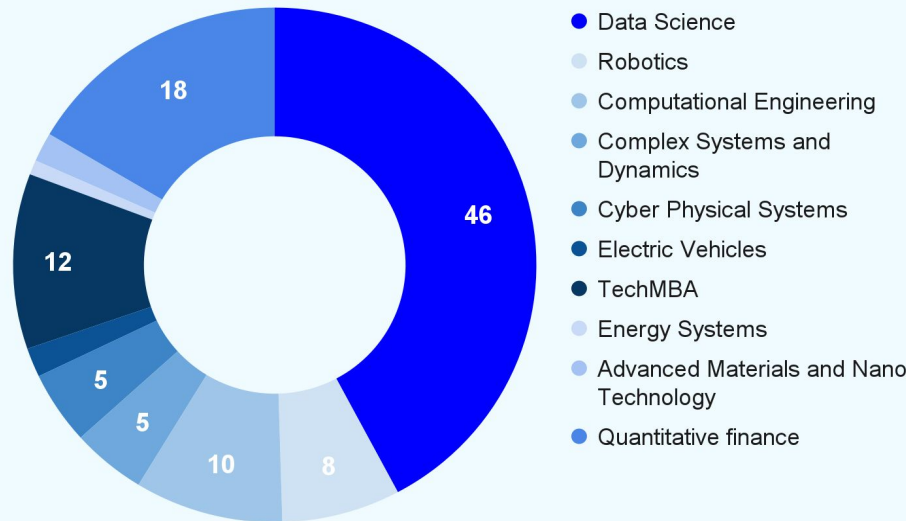
Biomedical Engineering Integrates engineering disciplines with biomedical sciences to produce industry-ready graduates, offering flexible courses in biomaterials, bioinstrumentation, image and signal processing, and medical physics.

Complex Systems and Dynamics Introduces mathematical modeling and analysis of complex dynamical systems with applications in climate science, neuroscience, biological systems, and high-performance computing.

Quantum Science and Technology Specializes in quantum computation, quantum information, and experimental techniques, with applications in secure communications, sensitive measurements, and advanced computing.

Tech MBA Provides management education with a focus on new technologies, enhancing knowledge in business functions, teamwork, leadership, and enterprise transformation.

Legend:
- Data Science — 46
- Robotics
- Computational Engineering
- Complex Systems and Dynamics
- Cyber Physical Systems
- Electric Vehicles
- TechMBA — 12
- Energy Systems
- Advanced Materials and Nano Technology
- Quantitative finance

Values shown: 46, 18, 12, 5, 5, 10, 8

300 PPOs OFFERED

Research Scholars

At IIT Madras, research is a preoccupation of around 550 faculty members, 3000+ M.S and Ph.D research scholars, more than 800 project staff, and a good number of undergraduates as well. It spans everything from basic curiosity driven investigations to research directed at finding disruptive solutions to the daunting challenges facing India.

Scholars Portal provides a platform for companies to connect with scholars who are the best fit for the company as per their area of interest.

2858	Full Time PhD Students
67	Part Time PhD Students
32000+	Papers Published
1500+	Patents Granted
1200+	Sponsored Research Projects
69	Funding Agencies
433	Client Organisations
891	Consultancy Projects

Centres of Excellence

IITMRP (IITM Research Park) has a number of centres of excellence that offer guidance and resources to R&D centres, startups and propels path-breaking research.

- Advanced Manufacturing Technology Development Centre (AMTDC)
- Centre for Battery Engineering and Electric Vehicles (CBEEV)
- Centre of Excellence in Wireless Technology (CEWIT)
- Centre for Urbanization, Buildings, and Environment (CUBE)
- Deakin-IIT Madras Centre Of Excellence In Advanced Materials and
- Manufacturing
- Healthcare Technology Innovation Centre (HTIC)
- International Centre for Clean Water (ICCW)
- Centre for Technology and Policy (CTAP)
- Centre for Continuing Education (CCE)
- Centre for NEMS and Nanophotonics (CNNP)
- Centre for Computational Brain Research
- Center for Non Destructive Evaluation
- Centre for Innovation
- Centre for Railway Research
- Health Care Innovation Centre (HTIC)
- IIT Madras Bioincubator
- Indo-German Centre for Sustainability
- National Cancer Tissue Biobank (NCTB)
- National Centre for Combustion Research and Development (NCCRD)
- - Robert Bosch Centre for Data Science and Artificial Intelligence

PwD Drive

IIT Madras is committed to promoting inclusivity and providing equal opportunities for all students, including those with disabilities. With more than 30 students available for the process, these talented individuals possess valuable skills and abilities that can greatly benefit organizations. However, they often face challenges in finding employment due to unconscious biases and misconceptions about their capabilities.

Our drive provides a platform for differently abled students to showcase their potential, and for employers to build a more inclusive workforce.

ohmium   GKN   JPMorgan Chase & Co.   APPLIED MATERIALS.   AIRBUS

Since 2022, we have been inviting companies like **JP Morgan, Applied Materials, Airbus, Ohmium, and GKN Aerospace,** among others, to participate in a dedicated recruitment drive focused on our differently abled students.
In 2023-24, over 15 companies are actively recruiting, providing ample opportunities for our diverse student body.

Companies interested in participating and learning more about the available candidates are encouraged to contact our Placement Office.

Co-Curricular Activities at IITM

SHAASTRA
Shaastra, the ISO 9001:2015 certified annual technical festival of IIT Madras, features four days of diverse events, competitions, and lectures by eminent leaders in academia and industry.

AI CLUB
AI exploration via projects & workshops

ABHYUDAY
IIT Madras **rocketry** team, building hybrid engines, recovery, testing, and the Spaceport cup.

IGEM
Passionate student team about **synthetic biology**, has competed in iGEM for over a decade, winning the iGEM Indian League 2022 Grand Prize.

ANVESHAK
Building Mars rovers for futuristic technologies, achieved 2nd place in the International Rover Challenge

PRODUCT DESIGN CLUB
Design thinking and Impactful problem-solving

PROGRAMMING CLUB
Spearheading the culture of Competitive Programming

CENTRE FOR INNOVATION

Electric Formula Racing
team of IITM. It came 2nd in Formula Bharat 2024, securing first in engineering design.

RAFTAR

Participating in the IGVC, Abhiyaan is committed to building intelligent, robust, precise and safe ground navigation systems.

ABHIYAAN

Avishkar Hyperloop from IIT Madras is spearheading the Hyperloop Development in India, backed by the Indian Railways.

AVISHKAR

MATH CLUB

3D PRINTING CLUB

WEBOPS AND BLOCKCHAIN

IBOT CLUB

AERO CLUB

BIOTECH CLUB

Co-Curricular Activities at IITM

FIFTH ESTATE

The Fifth Estate, or T5E, is IIT-M's student-run news body, which consistently brings out a plethora of articles, news pieces, op-eds and photo series on its website and social media handles featuring various topics and issues for its reader base.

SPORTS

At IITM, we foster a robust **sporting culture** through student-led committees and active participation tournaments.
IIT Madras recently **won the Inter-IIT Sports General Championship**, achieving 1st place in Mens and 2nd place in Womens category.

180 DEGREES CONSULTING

The 180 Degrees Consulting Club at IIT Madras delivers pro bono consulting to non-profits and startups, driving sustainable growth and positive social impact across various sectors.

CASE CLUB

Case Club IITM fosters structured **problem-solving skills** through practical experiences, benefiting students in consulting, finance, FMCG, analytics, and beyond.

FINANCE CLUB

Finance Club, IIT Madras is a student run body which fosters awareness of Finance as a career option through conducting **keynote sessions, workshops, projects and competitions** for the student community.

TECHSOC

The Institute Technical Society (TechSoc) orchestrates an array of technical events, including BuildSchool (product building competition) and preparations for the prestigious Inter IIT Tech Meet.

Social Endeavours

ENACTUS

Enactus IITM collaborates with industry leaders such as KPMG and Flying Cobbler for **impactful social innovations.**

AVANTI

Recipients of Stanford BASES Social E-Challenge and Pan IIT Alumni India initiative, **enhancing education for low-income students.**

I-VIL

A student run organisation serving as a platform to discuss and find a **solution** to the **issues of the socially underprivileged.**

EXTRA MURAL LECTURES

EML at IIT Madras enriches student learning through **interactive sessions with distinguished figures** across diverse fields like science, arts, culture. and society.

Entrepreneurship & Innovation Ecosystem

RESEARCH PARK

The first of its kind in the country, IITM Research Park has incubated over 200 startups, fostering a culture of student innovation

NIRMAAN

Nirmaan, our pre-incubator has nurtured over 140 startups. Our students lead these ventures, thriving in an atmosphere of entrepreneurship and innovation

BIO INCUBATOR

fosters Indian biotech innovation and entrepreneurship, housing 12 startups spanning biofertilizers to bioinformatics, aiming to develop globally competitive products and achieve commercialization.

ALUMNI STARTUPS

IITM IC seeks to nurture technology and knowledge based ventures through their startup phase by providing the necessary support to help entrepreneurs survive in the competitive market

INCUBATION CELL

Our Entrepreneurship-Cell, one of the largest in the nation, engaging with over 30,000 people, empowering the growth of startups nationwide

ENTREPRENEURSHIP CELL

The RTBI uses business Incubation as a strategy for rural and social development through capacity building, income generation and services and has since incubated over 30 companies.

RURAL TECH AND BUSSINESS INCUBATOR

Cultural Activities

Saarang

Saarang is the **annual, non-profit, student-run**-cultural festival of IIT Madras with the ISO certification of **ISO 9001:2015 organisation**, making it the **largest** completely **student-run festival in South Asia.**

With **80,000 attendees** from numerous colleges in South India, **5 concerts** by world-renowned artists and bands, **100+ club events** including Chroeo, Music, Fashion, it is the premier platform for Sponsorships for companies looking to create an impact on their brand in Chennai.

Saarang is a melting pot of creativity, talent, and culture. Over the years, it has become a landmark event, attracting participants from across the country and even abroad.
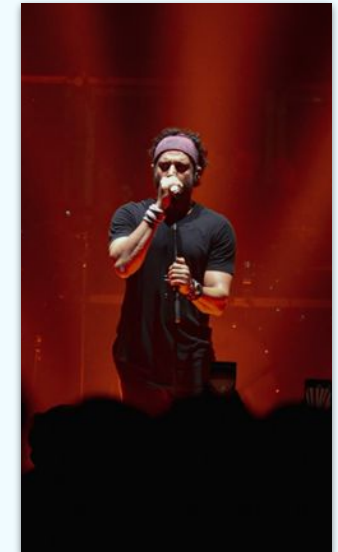
Sangam

Sangam is the cultural committee of the Institute, formed by a manifold of **17 cultural clubs** and an Outreach Committee that organize Litsoc (Inter-Hostel Cultural Competitions), NCA (National Cultural Academy) and handle the Cultural Contingents that represent the institute in Prestigious Inter-IIT Cultural Meets and other fests and competitions

Hosting an array of **250+ fun and engaging cultural events** representing art forms such as literary, performing, speaking, music, digital, etc, Sangam proves to be the best place for students to hone their soft skills and managerial abilities while also nurturing their cultural aspirations.

Apple, amazon, BAIN & COMPANY, Microsoft, SAMSUNG

McKinsey & Company, Goldman Sachs, Morgan Stanley, JPMorganChase, accenture

BCG

Arthur D Little, Dalberg, Deloitte., Deutsche Bank, AMERICAN EXPRESS, optiver, pwc

Auctus Advisors, TREXQUANT, EY, BNY MELLON, WORLD QUANT, Qualcomm, Schlumberger, HSBC

Google, NVIDIA, इसरो isro, ICICI Bank, zomato, Shell, ABInBev, AIR INDIA

intel, TEXAS INSTRUMENTS, Honeywell, Standard Chartered, Futures First, DA VINCI ENGINEERING, BAJAJ, HONDA

P&G, ITC Limited, Unilever, CISCO, OLA ELECTRIC, ATHER, JAGUAR, Groww, Flipkart, publicis sapient

FINMECHANICS, AIRBUS, BOEING, MILLENNIUM CORPORATION, EXL, mastercard, WELLS FARGO, sprinklr

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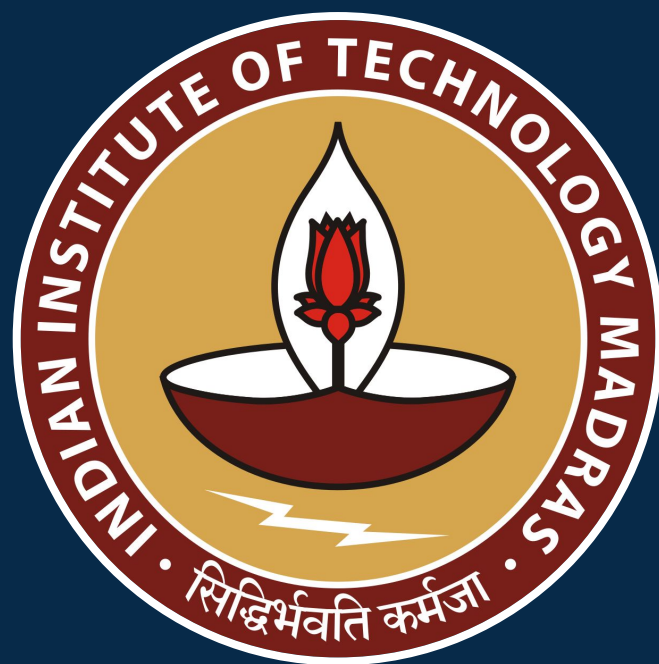+91 9941734021

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PLACEMENT & INTERNSHIP REPORT

Link to the file

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