PLACEMENT BROCHURE
(2021-22)

INDIAN INSTITUTE OF TECHNOLOGY, MADRAS

MESSAGE FROM DEAN-STUDENTS

We at IIT Madras are committed to the best academic and research environment for our students and research scholars. As professionals after graduating, our students have contributed immensely towards the growth of our country and we expect it to continue further. Of course, the ongoing pandemic since the beginning of 2020 has thrown many challenges and opportunities to both students and society concerning professional growth and development. Despite the pandemic situation, students have shown resilience and made every effort to progress well in academics and research. The placement and internship teams at IIT Madras will work with you to ensure that our students will get their dream jobs and you get a suitable student/ professional for your organization to move forward along a growth path. Our best wishes to all for one more successful placement season.

- Prof. Nilesh J. Vasa

MESSAGE FROM DIRECTOR

Students graduating from IIT Madras have contributed to the incredible pace of India's growth over the last couple of decades. The access to world class academics and facilities at IIT Madras provides our students the tools to excel in this highly competitive and fast advancing world. The Placement Office has been striving continuously to match the students with their dream jobs, resulting in a win-win situation for the student and the hiring organization.

- Prof. Bhaskar Ramamurthi

MESSAGE FROM PLACEMENT ADVISOR

IIT Madras graduates outstanding students at the undergraduate and postgraduate levels every year. Our alumni have a proven track record of professional success, and we expect to keep this going with the 2021-2022 batch. Our students are well trained on fundamental concepts and engineering applications by top-notch faculty and staff. In addition to the well-established academic programmes, IIT Madras has started novel Interdisciplinary Dual Degree Programmes in domains such as Advanced Materials and Nano Technology, Biomedical Engineering, Data Science, Energy Systems, and Robotics. This would ensure that IIT Madras graduates well-trained manpower in both traditional academic disciplines and upcoming new ones. The Placement office at IIT Madras serves as a link between two important stakeholders: our students and you, our valued recruiter. On behalf of the IIT Madras Placement team, I invite you to the 2021-2022 placement process and look forward to working with you in enabling you to hire the best talent for your organization. My best wishes to you and the students for a successful placement process.

- Prof. C. S. Shankar Ram

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NIRF RANKING 1

NIRF Ranking No. 1 in Engineering Institutes in India for five consecutive years and No. 1 in the Overall Category for the second year in a row.

ARIIA RANKING 1

Atal Rankings of Institutions on Innovation Achievements (ARIIA) 2020 ranking No 1 for back to back years

Established in the year 1959, the 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 programmes which are aimed at developing in each student a mastery of fundamentals, the versatility of mind, and motivation for learning, have resulted in well-rounded leaders of the highest professional competence.

Raftar formula racing secured Overall first in the Combustion Vehicle Category at the Formula Bharat 2021 virtual competition.

Team Avishkar's Hyperloop pod represents India in SpaceX.

IIT Madras Team enters ACM ICPC World Finals.

IITM Professor, Thalappil Pradeep won the prestigious Padma Shri Award 2020 for developing affordable water solutions using nanotechnology.

ITeam Agricopter placed third at the Waycool IDP competition.

IIT Madras Team wins 'Third Prize' in IMA's Student Case Competition.

The country's first 3D printed house, built in the campus by IIT Madras startup Tvasta, was inaugurated by Finance Minister Nirmala Sitharaman.

Our Alumni

Prabhakar Raghavan is currently head of Search and Assistant of Google. Before becoming the head for Google's advertising and commerce business, he served as the Vice President of Google Apps as well as Google Cloud services, overseeing the development and user experience

Dr. D. V. Satya Gupta is a Technology Fellow at Baker Hughes, a GE company. He is an active member of the American Chemical Society, American Institute of Chemical Engineers

Gururaj Deshpande is an Indian American venture capitalist and entrepreneur, who is best known for co-founding the Chelmsford, MA-based internet equipment manufacturer Sycamore Networks, the Deshpande Center for Technological Innovation at MIT and the Deshpande Foundation

Dr. Chandy has been at the California Institute of Technology, first as Sherman Fairchild Fellow for two years, and then as Simon Ramo Chair Professor in Computer Science. He is now an Emeritus Professor at Caltech

Dr. Mas Subramanian is the Signature Faculty Fellow of Oregon Nano science and Micro technologies Institute. He has also served as Director of Materials Institute, Oregon State University

Dr. Naga Bhushan is a pioneer responsible for advancement of communication theory and for its innovative implementation. Hist role as the Vice President, Technology at Qualcomm Inc. places him at the helm of technologies that are the bedrock of the current smart-phone revolution

Dr. Noshir S. Contractor is the Jane S. & William J. White Professor of Behavioral Sciences at Northwestern University, USA. He has been faculty of University of Illinois at Urbana-Champaign

Suresh Kumar is the executive vice president and global chief technology officer (CTO) and chief development officer (CDO] of Walmart, Inc. He was responsible for Google's network advertising P&L.

Shri Rajesh Jha serves on the Advisory Board for the College of Information and Computer Sciences at the University of Massachusetts, Amherst, and the Jagran Foundation in Bellevue, Washington.

Senapathy Gopalakrishnan, popularly known as Kris Gopalakrishnan, is Chairman of Axilor Ventures, a company supporting and funding startups, was former executive vice chairman (former co-chairman) of Infosys, a global consulting and IT services company based in India. He is also one of its seven founders

Dr. Sridhar R. Tayur is a Ford Distinguished Research Professor of Operations Management, at Carnegie Mellon University. Pittsburgh, USA. He has also held positions at IBM, AT&T and Cornell University

Dr. Sudhir Kumar Mishra is currently the Distinguished Scientist & Director General (BrahMos) of, DRDO, Ministry of Defence, and CEO & MD of BrahMos Aerospace.

Shri Thomas is currently the director at Johnson Lifts. His tenure at Johnson Lifts has succeeded in transforming this small-scale firm into a well-known brand and a leading manufacturer of lifts and escalators.

Sridhar Vembu (born 1968) is an Indian billionaire business magnate and the founder and CEO of Zoho Corporation. Through Zoho, he took software and product development functions from urban centers into rural villages in India. He was awarded India's fourth highest civilian award, the Padma Shri, in 2021

Academic Programmes & Admission

B.Tech

This 4 year education programme has a central goal of imparting fundamentals of professional engineering to young students. It includes a 2 - semester project in the final year.

Aimed at inculcating a sense of original research amongst the student.

It gives them an exposure to state of the art, technology and cutting edge research undertaken in the institute.

M.Tech

This four-semester program provides graduates with a synergetic combination of industry-oriented course work and research.

The academic curriculum includes core courses and electives to develop a strong theoretical base along with a final-year project and seminar.

Admitted graduates may have prior work experience.

M.A

The unique five year integrated programme leads to Master of Arts degree in two major streams :

- Development Studies
- English Studies

The MA Program develops strong analytical communication and research skills through applied project quantitative subjects and a firm theoretical backing.

Dual Degree

A ten semester programme, confers a B.Tech in a basic field of engineering with an M.Tech in specialized areas.

The students complete additional courses in the area of specialization and a yearlong project under the guidance of a professor.

M.S

A PG level Research Program with a duration of about 2–3 years. Students pursue research in various contemporary domains. The research works of the students get published in reputed national and international conferences and journals. The admitted graduates may also have prior work experience.

M.B.A

The two year management education at IIT Madras where students learn from interactions with leaders across industries.

Focusing on the main functional areas of management like Finance, HR&OB, Operations etc students are also given a strong orientation towards the use of analytical tools and techniques.

IDDD

Interdisciplinary Dual Degree Programs allows students from any branch to specialize in the following fields of their interest, thus broadening the domain of their knowledge.

- Advanced materials & Nanotechnology
- Biomedical Engineering
- Computational Engineering
- Data Science
- Energy Systems
- Quantum Science and Technology
- Robotics

Ph.D

A rigorous research program with a duration of 4-5 years. It establishes a candidate's ability to pursue independent research and a career in industry/ research labs.
The research work of the students gets published in reputed national and international conferences and journals. The admitted graduates tend to have prior work experience.

ENTRANCE EXAMINATIONS

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

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

C.A.T & J.A.M
M.B.A	(2 years)
M.A	(5 years)

UGC NET/JRF
Ph.D	(4-5 years)

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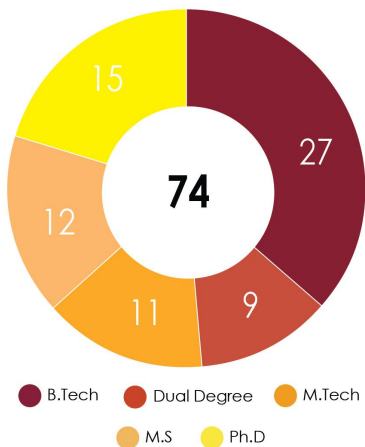
This existing healthy amalgam of academics and extra-curriculars in the institute, each given equal importance aimed at nurturing students to exhibit maximum competence in any field, imbibes both confidence and ability in the students to achieve what they want. World class cultural, technical and sports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

Departments and Demographics

Department of Aerospace Engineering

Established in the year 1969, the Department of Aerospace Engineering at IIT Madras has excellent experimental and computational facilities 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, M.S, M.Tech and Ph.D programmes.
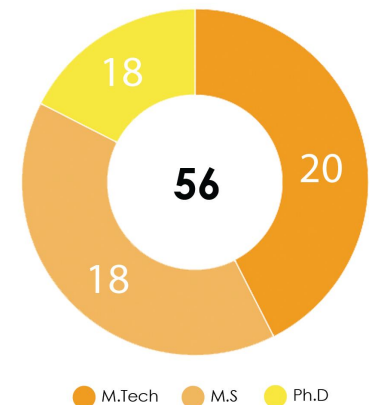
Students get exposed to an exhaustive level of knowledge in the fields of Aerodynamics,Flight Mechanics Propulsion and Structural Mechanics paving the way for a student with enough experience to take up any engineering role or advance into research.
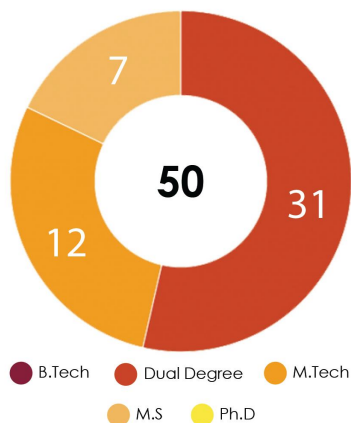
Department of Applied Mechanics

Established in the year 1959, the Applied Mechanics department at IITM has grown into a full-fledged interdisciplinary graduate research department and has excellent experimental and computational facilities. The Department works in broad areas of Solid mechanics, Fluid mechanics, and Biomedical engineering and hence includes the faculties drawn from the field of Aerospace, Biomedical, Civil, Electronics and instrumentation, and Mechanical engineering. Department offers M.Tech, M.S, and Ph.D programs.

This department works in collaboration with industry and government bodies like ISRO, DRDO, and DHI under the supervision of eminent faculties. With the state-of-the-art research facilities and faculties with experience in different fields help students work on challenging problems for the advancement of science and technology.Due to the inter-disciplinary nature of the department, Students work on tools like Data Science, Machine learning, FEA, CFD, Biomechanics, Medical imaging, and its application in industries.

Department of Bio - Technology

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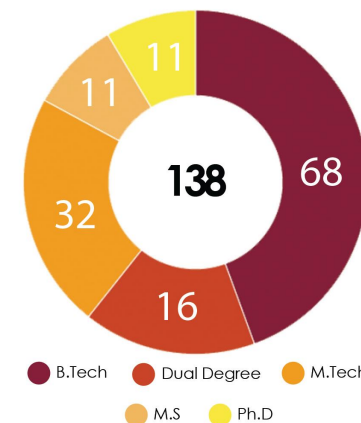M.S | Ph.D

50 | 31 | 12 | 7

The Department of Biotechnology, set up in the year 2004 is an interdisciplinary program that exposes students to the growing health care needs by providing access to super specialty hospitals and state-of-the-art facilities to focus on research from basic research in the molecular basis of life processes to applied research in modern biotechnology.

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

It offers Dual Degree, M.S and Ph.D programmes in Biotechnology along with M.Tech and Ph.D programs in Clinical Engineering, a joint initiative by IITMadras, Sree Chitra Tiruna IIMST & CMC Vellore as well as in Bioprocess

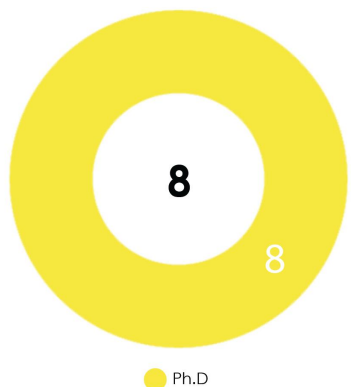## Department of Chemical Engineering

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), a rigorous curriculum and training by highly qualified and experienced faculty members. The Process Control and Systems engineering group has been ranked among the best worldwide.

The department offers B.Tech, Dual Degree, M.Tech, M.S, Ph.D 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.
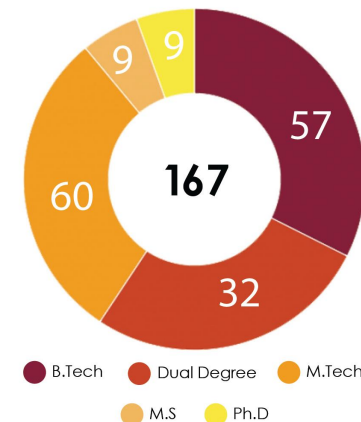

138 | 68 | 16 | 32 | 11 | 11

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

Department of Chemistry

8 | 8

Ph.D

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.
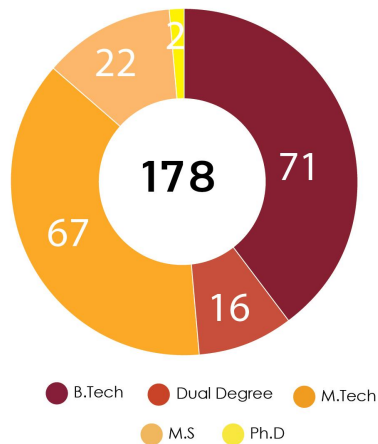
Department of Civil Engineering

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. Many of the faculty members have received advanced degrees from reputed institutions worldwide. Many of our alumni hold prestigious positions in leading academic institutions, industry and government in different countries all over the world.

The academic programmes offered by this department are B.Tech, M.Tech,M.S and Ph.D.

167 | 57 | 32 | 60 | 9 | 9

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

Departments and Demographics

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.
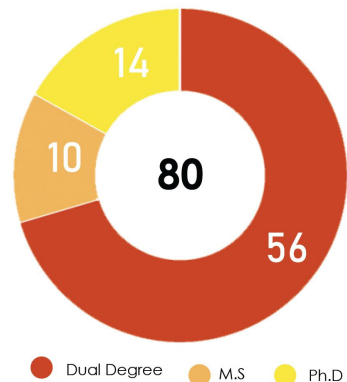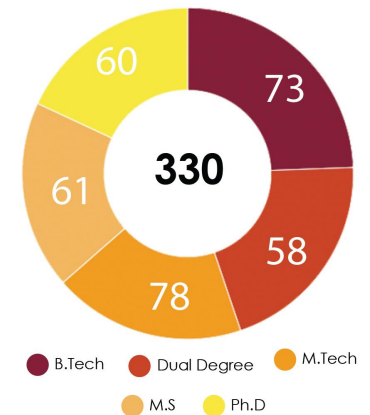
A strong foundation in the core aspects of CSE that can be applied to solve practical and large scale system problems is a key component of the CSE curriculum both in the theory courses as well as the labs. The Department offers B.Tech, Dual Degree, M.Tech, M.S and Ph.D programs.

178
71 / 16 / 67 / 22 / 2

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

Department of Electrical Engineering

Established in the year 1959, the Electrical Engineering Department is one of the most sought after departments of the Institute.
It works in the frontier areas of communications, micro-grids, integrated circuits and systems, microelectronics, electro-magnetics and photonics, and biomedical devices aiming at industry, research and defense labs, hospitals and the government.

It counts one DBT Ramalingaswami Fellow, many IEEE Fellows, Bhatnagar awardees, Swarna Jayanti awardees and editors of prestigious professional journals among its faculty. The department offers B.Tech, Dual Degree, M.Tech, M.S and Ph.D programs.

330
73 / 58 / 78 / 61 / 60

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

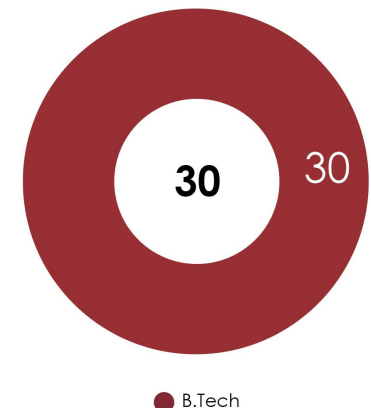## Department of Engineering Design

The Department of Engineering Design is the 16th department in IITM with a focus on interdisciplinary teaching and research to provide the much needed leadership in this area.
The major focus domains of research are Automotive Systems and Design, Material Design and Manufacturing, Robotics and Mechatronics, and Biomedical Design, encompassing Optimization, Machine Learning algorithms, Data Science techniques, and other state-of-the-art concepts.
A unique feature of the dual degree curriculum is the semester-long internship. Department of Engineering Design 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 B.Tech, Dual Degree, M.Tech, M.S., Ph.D., and PDF programs.

80
14 / 10 / 56

Legend: ● Dual Degree ● 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. The curriculum is 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
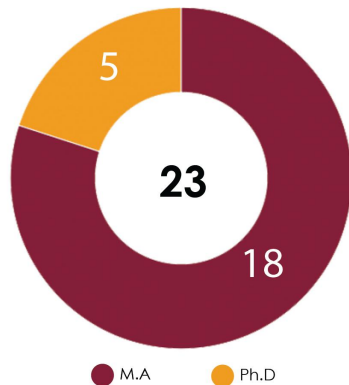
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30

Legend: ● B.Tech

Department of Humanities and Social Sciences

Founded in the year 1959 the Department of Humanities and Social Sciences is one of the oldest in IIT Madras. The Department's essentially interdisciplinary nature and diverse faculty are its distinguishing factors.
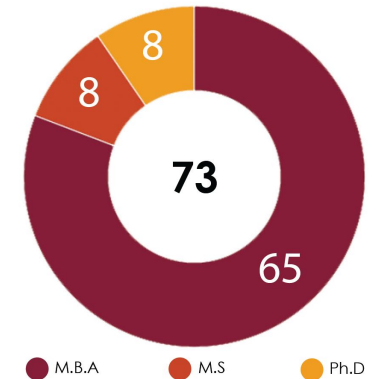
This allows students to develop an appreciation for a very diverse set of fields, including Development Studies, Economics, English Studies, International Relations, Political Science, and Sociology.

The Department offers both Master's and Doctoral programmes, as well as electives for students. It is equipped with state of the art facilities.

23
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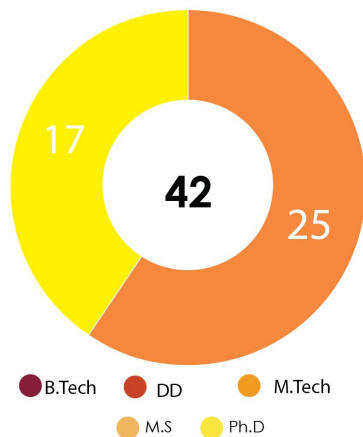18

● M.A ● Ph.D

Department of Management Studies

The Department of Management Studies was established in the year 2004. Apart from its traditional M.B.A programme, the department boasts itself by offering a one-of-a-kind masters (M.S) program as well as a doctoral program (Ph.D) at the research level.It also offers an executive MBA program for middle and senior-level executives and M.S (Entrepreneurship).The department has several domains viz Operations,Finance, HR & OB,Information Systems, Marketing, and Integrative Management. A M.S/Ph.D research scholar,apart from acquiring knowledge in various management disciplines, 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.

8
8
73
65

● M.B.A ● M.S ● Ph.D

Department of Mathematics

The department of Mathematics offers programs of M.Tech in industrial mathematics and Scientific computing, M.Sc and PhD, by providing the foundation in computational mathematics that is crucial to the education of engineering students and 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 cutting-edge technologies. The Department also offers cross-disciplinary opportunities through electives

17
42
25

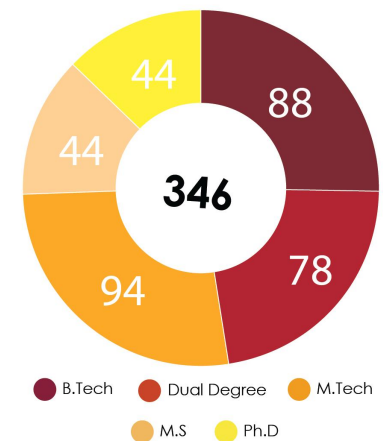● B.Tech ● DD ● M.Tech
● M.S ● Ph.D

Department of Mechanical Engineering

The Mechanical Engineering Department of IIT Madras is one of the oldest and one of the biggest Departments of the institute. The departmental activities can be categorized into 3 major streams, namely Design, Manufacturing and Thermal Engineering.
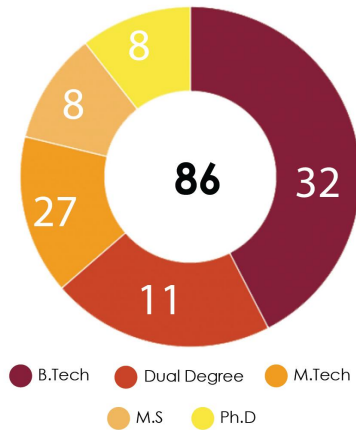With 9 equipped laboratories and over 40 distinguished faculty members, IITM gives students the opportunity to pursue their interest in this domain.Students are provided exposure to both academia and industry through their final year projects and industrial training internships.

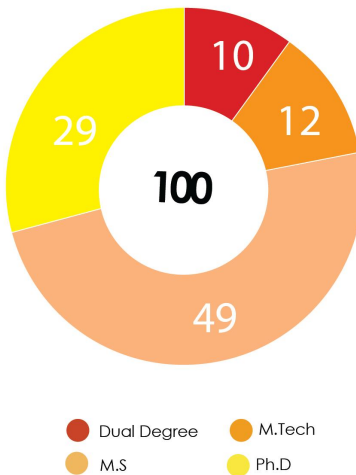The department offers B.Tech, Dual Degree, M.Tech, M.S and Ph.D programs

44
44
88
346
94
78

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

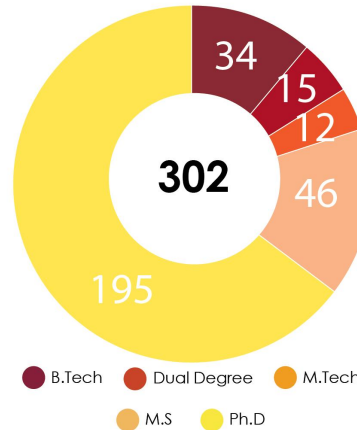## Department of Metallurgical and Materials Engineering

The Department of Metallurgical and Materials Engineering offers B.Tech, Dual Degree, M.Tech, M.S & Ph.D. programs and draws in faculty's expertise in a variety of areas like materials technology, iron and 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, biomaterials, and additive manufacturing are also covered through the course.

Department of Ocean Engineering

Established as the Ocean Engineering Center in the year 1977, it was upgraded to an academic department in the year 1982. The department is equipped with world class unique experimental facilities. The department has a strong association with the industry 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), M.S and Ph.D programmes.

Department of Physics

The Department of Physics at IIT Madras consists of 47 faculty members with diverse research interests. Apart from the B.Tech in Engineering Physics, the other programs in the department are the B.S and M.S 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 the 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.

IDDD

Advanced materials and Nanotechnology

This programme aims at equipping students with an understanding of the fundamental science behind advanced materials and also training them with the practical tools and techniques of fabrication (materials and devices). The Curriculum is designed with the understanding that the modern field of Advanced Materials and Nanotechnology is based on the exchange of ideas between sciences and Engineering branches which includes synthesizing novel materials which encompass a wide range of fields like Energy generation and storage materials, batteries, microelectronic devices, magnetic materials, water purification, high strength materials, sustainable plastics, sensors, etc.

Biomedical Engineering

The students are trained in fundamental engineering sciences as well as application-oriented skills in specific areas of biomedical engineering. The students are provided with four major streams of biomedical engineering such as biomaterials, bioinstrumentation, image and signal processing, and medical physics and enable them to explore diverse fields of biomedical engineering matched to the skills acquired as part of their UG curriculum. It enables the students to emerge as an excellent fit for application-oriented product development.

Computational Engineering

The students are facilitated with the development of Engineering Analysis and design tools for solving Complex Engineering problems. It provides knowledge about the computational field which facilitates the design and development of systems and devices with ease. Students are provided with the computational skillset of understanding algorithms and deployment of suitable data structures along with the tools and techniques from high-performance computing which facilitates efficient computation and code parallelization.

Data Science

The program brings together all aspects of technology required for gathering, storing, analyzing and understanding data. This includes storage technology, distributed computing, data-driven modeling, data analytics and mining, visualization, security. This is again a highly demanded interdisciplinary program. The curriculum has a core component that covers the fundamental theoretical concepts and tools required. The areas of application of data science include Business Analytics, Business logistics, including supply chain optimization, Finance, Bioinformatics, and natural sciences, etc.
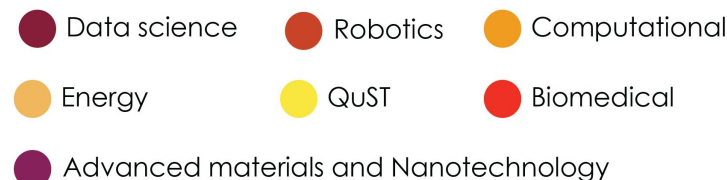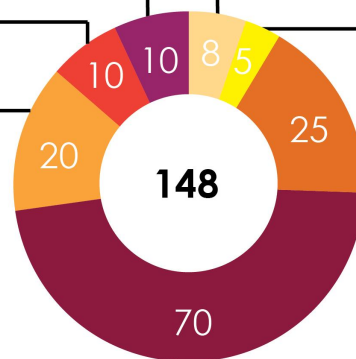
Energy Systems

The programme equips the student with the necessary skills to deal with the fast-evolving energy-related technologies. Under this course, the students specialize in Principles of Thermal Energy Conversions, Renewable Energy Technology, Materials for energy conversion, and Technology and Energy Economics. Students can also specialize in any final utilization of Energy. The application is focused on thermal power plants and coal combustion, nuclear reactors, material synthesis, fuel cell technologies and supercapacitors, solar, wind, geothermal and biofuels, pricing, taxation, energy markets, the economics of various types of sources, climate change, and policy aspects.

Quantum Science and Technology

This course specializes the students on quantum computation and quantum information, Experimental techniques for quantum computation and metrology, quantum electronics and lasers, and optical signal processing and quantum communication given the interest in quantum computing and information. The applications include secure communications, highly sensitive measurement methods, and creating computing power that far exceeds today's supercomputers.

Robotics

This program in Robotics has its focus on Design, Analysis, and Application development (new system development). The students expertise in Basic robotic technologies, Kinematics, dynamics, and control of Industrial and field/service robots, Sensing, perception, planning, and control applied to autonomous robots, Application of Artificial Intelligence, Neural Networks, and Reinforcement learning in Robotics, Hardware systems, and controllers used in robotics, Design of robotic systems for new applications.

Chart center: 148

Chart values: 10, 10, 8, 5, 25, 70, 20

Legend:
- Data science
- Robotics
- Computational
- Energy
- QuST
- Biomedical
- Advanced materials and Nanotechnology

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.

Link to Research Scholar Portal :

http://scholars.iitm.ac.in

2858	Full Time PhD Students
67	Part Time PhD Students
105	Patents Published
47	Patents Granted
580	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
- 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

Cocurricular Activities

CENTRE FOR INNOVATION (CFI)

"Walk in with an idea, and walk out with a product".

Centre for Innovation (CFI) is the 'Student Lab' at IIT Madras. The industrious student innovators are connected, coached, and supported to nourish their skills and ideas to fully fledged projects going on to compete in National and International Competitions. Some of the Technical Clubs, students are involved in include:

- 3D Printing Club
- Aero Club
- Astronomy and Physics Club
- Computer Vision and Intelligence Club
- Electronics Club
- iBot Club
- Sahaay
- Programming Club
- Product Design Club
- Team Envisage
- Web-Ops & Blockchain Club

Techsoc -Technical Society is the go to place for anyone to kickstart ones Tech journey. The way we do it is through Inter Hostel Competition(IHC)- 'Year Long Inter Hostel competition that also becomes a path to represent IITM in Inter-IIT tech meet' and NET(Next Emerging Technology) - 'events that take an individual through the process of real-life problem solving.

RAFTAAR

FORMULA BHARAT 2021: Team Raftar Formula Racing from CFI came overall first in the competition, continuing the legacy from the previous year. The team scored the first rank in engineering design and eighth rank in business model.

ABHIYAAN

INDY AUTONOMOUS CHALLENGE: Team Abhiyaan cleared the first 3 rounds for the INDY Autonomous challenge and succeeded in reaching Hackathon 4 in which multi-vehicle test runs were held in racing scenarios. The team also came first in the social media challenge of INDY Autonomous Challenge.

AVISHKAR

EUROPEAN HYPERLOOP WEEK: EHW is an international Hyperloop event that will bring together the most competitive part of prototype construction, with the part of visibility and conferences. Team Avishkar Hyperloop has submitted their first application for competition and has qualified for the further rounds.

iGEM

IGEM - DTU DENMARK AND UNIVERSITY OF ROCHESTER: iGEM team collaborated with DTU Denmark, which participated in the iGEM competition 2020. The team helped in doing public engagement for their project by designing a comic strip on introduction to fungi and connecting them with companies that work with A.niger in India. The team also collated a list of signal peptides in 5 species related to A.niger for their drylab team. The team also collaborated with the University of Rochester and BITS Goa for the Accessibility Project as an extension of the iGEM team's Language project.

ANVESHAK

After placing 5th and 8th respectively in the Indian Rover Challenge 2020 and the qualifying round of the University Rover Challenge 2021, Team Anveshak ventured into online competitions in the last academic year. We placed 7th in the Indian Rover Design Challenge 2020 and 12th in the International Mars Hackathon 2021, amongst competing teams from many countries. We also placed 4th in the qualifying round of the European Rover Challenge 2021 Remote Version in our very first attempt.

ANALYTICS CLUB

This Club serves as the stepping stone to Analytics, connecting all students interested in Data Crunching to acquire necessary Statistical and Computational skills to draw meaningful conclusions from Data. They provide opportunities for students to pursue their interest in analytics through projects, workshops, lectures by prominent personalities from the industry and weekly sessions regardless of prior knowledge or experience.

CASE CLUB

Case Club IITM was established in 2021 with a vision to improve the problem-solving culture in the institute. The club believes that the essence of solving cases is way beyond preparing for consulting interviews and is necessary to develop a structured thought process and thus become an efficient problem solver. The club aims to incorporate this essential 21st-century skill in students through its various initiatives and activities ranging from mini-courses to unique case competitions to webinars and much more

FINANCE CLUB

It is a student-run initiative that provides a perfect platform for students to hone the skills required to make a mark in the Financial Sector. Hosts of various webinars and keynote lectures where renowned speakers such as Harsh Patel, Mr.Sandeep Das, WazirX and DStreet Games, a startup founded by IITM alumni, help participants get updated with the current scenario of the financial world, educated about the nuances of Investments and Financial Markets, handle a virtual portfolio and identify current career opportunities in this sector.

SHAASTRA

A student-run annual technical festival which is the first such event in the world to be ISO 9001:2000 certified for implementing a Quality Management System. Shaastra is the annual technical festival of IIT Madras. A plethora of events, hackathons, competitions, summits, lectures, video conferences, exhibitions and workshops are held over a span of 4 days. Many eminent academicians, industry leaders, scientists & innovators visit Shaastra to deliver lectures and introduce students to the cutting-edge research happening in various fields across the world.

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 only one of its kind amongst college festivals. It includes enthusiastic participation in Choreo, Debate, Dramatics, Music, Professional Shows, to name a few, by more than 50000 college students across the country.

SPORTS

Here at IITM we value the importance of good health and have a good sporting culture with inter hostel shroeters and institute wide tournaments with active participation from students side . There is a sports organising committee run by students with specific clubs for each sport IITM has shown top level performance in Inter IIT and winning championship for the past few years.

180 DC

Branch of the Globally acclaimed university-based consulting organization engaging in fields of Ed-Tech, Women's Health, Sanitation, AI for Good and Sustainable Development among others.

MEDIA BODIES OF IITM

The 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. T5E's readership includes students, faculty, alumni, the press and the general public.

Chennai 36

Chennai36, with the motto 'Connect. Converse. Convey', is the Student-Alumni blog of IIT Madras that strive to connect with all the members of the IIT-M fraternity and promote the exchange of ideas, experiences, be it Placements, Interns, Graduate Studies, Exciting Research, or life in Insti in general.

SOCIAL ENDEAVORS

Enactus

One of the chapters of global Enactus network based out of IITM collaborating with industry leaders like KPMG and Flying Cobbler for innovative social interventions.

Avanti

Proud Recipients of Stanford BASES Social E-Challenge and Pan IIT Alumni India initiative, broadening education to students from low-income families.

IVIL

A student run organisation serving as a platform to discuss issues regarding the issues of the socially underprivileged.

ShARE

Student - run Management Consulting chapter providing business consultancy to globally acclaimed firms. ShARE students work on real coorporate cases and are trained by ex-consultants from BCG and McKinsey.

Entrepreneurship in IIT Madras

E-CELL

ECell imbues the spirit of entrepreneurship in students and faculty community from various colleges across India, inspiring and encouraging them to take on entrepreneurial challenges and assist them in their efforts to launch and run business ventures.

It has a plethora of yearlong events like Conclaves, Keynotes, Industry-defined Problems, B-Planning Competitions and Workshops.

Its annual entrepreneurship fest, E-Summit is is going to be the first student-run ISO Certified Entrepreneurship Event from this year on as well.

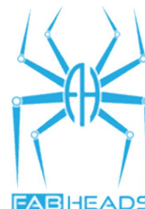## The Centre for Social Innovation & Entrepreneurship

CSIE works with institutes like Tata Institute of Social Sciences, CIIE of IIMA, Centre for Innovation in Public stems (Hyderabad), the UN Global Compact and the Ateneo School of Government (Philippines) Research providing the first steps of social entrepreneurship to students.

NIRMAAN

Nirmaan focuses on product development and encourages entrepreneurial ideas by providing seed funding for the startups led by students. It assists those with an idea on every step involved in converting the idea into a full fledged incubated startup. It acts as a platform for series of conferences and networking opportunities with top notch entrepreneurs and venture capitalists.

Nirmaan has seen over 20 groups pass through the program in various business domains including edu-tech, agri-tech, consumer products and advanced technology solutions with some raising over 1 Million USD till date.

Merkel Haptics (first haptics company in India exclusively for touch related technologies, pioneer in providing 3D touch technology solutions).

Ather Energy is the brainchild of IITM graduates Tarun Mehta & Swapnil Jain , a startup that unveiled a smart, electric scooter, named the S340 that became India's first Electric scooter.

IITM Research Park

The IIT Madras Research Park is a national pioneering effort to catalyze collaborative research between industry and academia and enable technological innovation and nurture entrepreneurship. It houses the R&D and innovation wings of industry majors engaged in collaborative research and technology transfer with the faculty. The major incubation cells under the IITMRP are:

Incubation Cell - IC

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 and reach a stage where they can scale-up their ventures further.

Rural Technology and Business Incubator (RTBI)

The RTBI uses business incubation as a strategy and methodology for rural and social development through capacity building, income generation and services and has since incubated over 30 companies. These ventures are leading dissemination of world class technology to solve some of rural India's most difficult problem such as power,water and education.

Bio - Incubator

With the objective of fostering Indian biotech innovation and entrepreneurship, it aims to help startups develop globally competitive products and attain commercialization. It falls under the purview of IIT Madras Incubation Cell (IITMMIC).

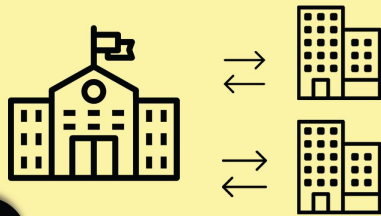Currently houses 12 start-up companies in the frields ranging from Bio fertilizers to Bio Informatics.

Past Recruiters

Placement Procedure

REGISTRATION

The office sends invitations to companies along with relevant links. Companies interested in recruitment are to register with Placement Office via the online portal of Training and Placement Office.

1

ONLINE ERF

Companies fill in all the required fields of the Employer Registration Form (ERF). ERF once accepted and opened to students cannot be modified.

2
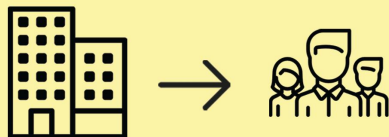
PORTAL VISIBILITY TO STUDENTS

Companies can access the resumes of interested students in the online portal. If interested, companies can conduct pre-placement talks in campus. Pre placement talks are subject to availability of slots.
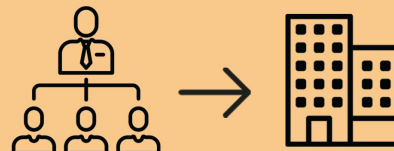
3

TEST PROCEDURE

Written or Online tests can be conducted by the companies up until November. The student representatives will help the companies in finding a slot of mutual convenience and availability.

4

SLOTTING FOR INTERVIEW

An internal Date Allotment committee comprising faculty, students and other state members decide campus interview dates of all registered companies.

5

INTERVIEW PROCEDURE

Placements interviews start on December 1st, 2021. Companies are required to submit the number of selected students to the Placement Office by the end of each slot. Companies can also submit a waitlist if desired. Offer letters are to be sent to the Placement Office before the end of March.

6

Placement Team

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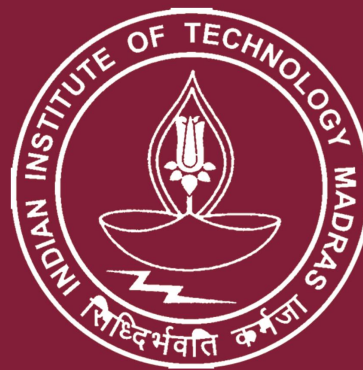
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