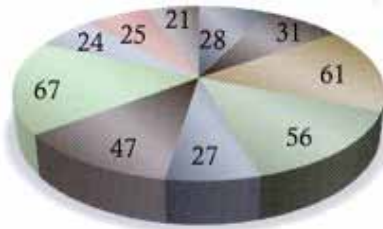


Demographics

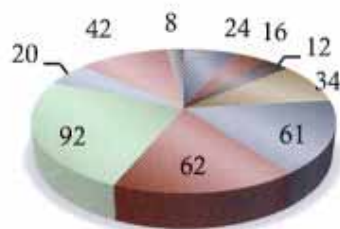
B-Tech



Dual Degree



M-Tech



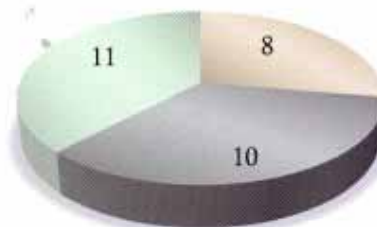
MBA



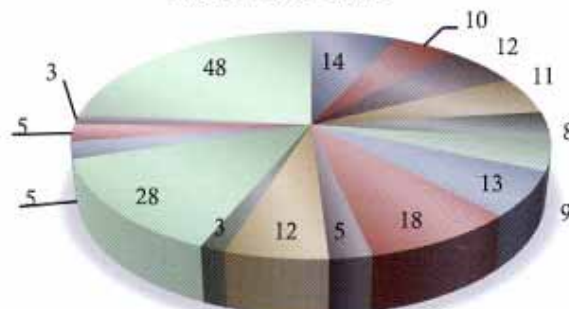
M.Sc



MA



MS & PhD



AE AM BT CH CY CE CS ED EE MS MA ME MM NA PH Devt.Studies Economics English

Academics

Known for its well-rounded academic curriculum, IIT Madras is a Centre for talented students to pursue academic excellence in their fields through a healthy interaction with globally acclaimed faculty. The courses of study are organized on semester programmes. Conferences, symposia, workshops and extramural lectures are regularly organized in the institute, which attract scholars all over the world and present the students with an opportunity to interact with them. Some of the salient features of the academics at IIT Madras are highlighted here.

Departmental and Institute Electives

Knowledge of one field applied into another field



leads to innovative solutions. IIT Madras encourages this by allowing students to take up electives and/or audit courses of their interest in departments other than their core area of specializations. Courses in Humanities and Management Sciences are also

offered to broaden their perspectives. The courses strengthen the fundamental concepts through assignments, presentations and seminars.

Laboratory and Workshop Training

As part of the curriculum, students are provided hands-on training in the state-of-the-art laboratories and workshops of IIT Madras, thus providing a practical perspective to their imagination.

Summer Internships

Pre-final year students of the B.Tech, Dual Degree and MBA programmes undergo summer internships in leading organizations as part of their curriculum. This enables them to get an exposure in tackling live problems that occur in the working of an industrial entity. These internships along with various industrial visits keep the students informed about the latest industrial practices. The concerned departments and student representatives coordinate internships. The students will be available for summer internships from May-July. Recruitment for summer internship will commence in September 2012. You can contact the Academic Affairs Secretary at aas@smail.iitm.ac.in for more details.

Minor Streams

IIT Madras offers minor degrees in various fields, essentially aimed at giving a broad perspective of the respective field. It includes three fundamental courses in the area, to be done through three semesters. The areas in which Minor degrees are offered are given below.

Biomedical Engineering
Development Policy
Economics
English Studies
Foundations in Physics
From Molecules to
Materials : Structure,
Dynamics and Functions
Industrial Engineering
Innovation and Social
Entrepreneurship
Management
Materials Technology
Mathematics for
Computer Science
Ocean Technology
Operations Research
Systems Engineering

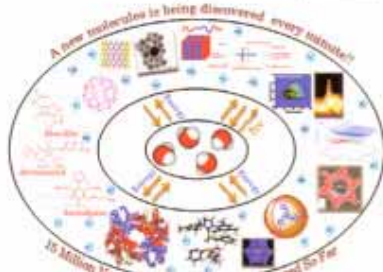


Research & Development

IIT Madras makes active efforts in promoting Research and Development through various academic programmes run by the departments and sponsored programmes funded by national organizations and industries. IIT Madras has produced the highest number of patents in the last five years.

Academic Research Programmes

These relate to research work undertaken by individual faculty or specific research groups in each department running academic programmes leading to M.S or Ph.D degree. Research is carried out by scholars admitted to the programmes of study under the guidance of the faculty in each department.



For further information, you can contact the Research Affairs Secretary at ras@iitm.ac.in

Sponsored Research

Organizations at the national level and industries sponsor specific programs of research by funding projects undertaken by the faculty. Sponsored projects allow for new resources to be created in a department and often permit staff employed for the project to register for academic degrees in the institute. Industrial Consultancy provides for faculty and staff of the institute to undertake specific assignments for the industry, which may include project design, testing and evaluation or even training in new areas of industrial development.

Industrial Consultancy and Sponsored Research (ICSR) at IIT Madras coordinate all Sponsored Research and industrial consultancy activities in the institute. More information can be found at <http://www.icandst.iitm.ac.in>.

Student Projects

All B-Tech, Dual Degree, M-Tech, M.Sc., MS and Ph.D students undergo a project under the guidance of a faculty member for the completion of their degrees. These include basic development and application oriented research projects. With many of these projects being industry sponsored, they provide both students and faculty an opportunity to tackle live problems and pursue research in their field of interest.

IIT M Research Park

Being the first of its kind in India, the IITM Research Park is modeled along the lines of successful research parks at Stanford and MIT. It is a pioneering effort to facilitate collaborative research and development between the industry and IIT Madras to provide an impetus to innovation and nurture entrepreneurship.



Companies with a strong research and innovation focus are assisted in setting up a base in the Park to leverage the expertise and infrastructure available at IIT Madras. Students are in turn encouraged to take up projects and internships with these companies thus providing them with a golden opportunity of being involved in the latest and the most advanced industrial research. More details about the IITM Research Park can be found at <http://respark.iitm.ac.in>

Campus & Infrastructure

IIT Madras has been setup on 250 hectares of natural reserve in 1959 in collaboration with the German government. Since then IIT Madras has



developed to possess excellent infrastructure benefitting both student development and cutting-edge research. India Today Magazine, with regard to the resources offered to students, which are exceptional, has ranked the institute No.1 in infrastructure amongst all engineering colleges in the country.

The Central Library of IIT Madras houses around 2 million books and subscribes to over 1000 journals, while the Student Activities Centre is the biggest air-conditioned auditorium in Chennai. The Centre for Innovation provides work-environment and resources to promote technical endeavors, and has assisted in design and prototyping of several commercially viable products. High computing facilities set up in many places of campus expose students to state-of-the-art simulation and CAD



resources. Multiple agencies have set up their centers of regional excellence at IIT Madras, developing an impressive set of research facilities, which are considered the best in this part of India. The Institute Sports Complex, complete with a gymnasium and indoor sports facilities, is one of many steps to ensure extra-curricular activities such as sports and literary events are a commensurate impetus in contrast to academic amenities.

Extra curricular and activities

IIT-M with a plethora of extra-curricular activities provides its students with various opportunities to develop their social, communication and managerial skills outside of the classroom, with the intention of producing well rounded and skilled students. These events are a learning experience outside of the classroom, enabling them to discover and achieve their talents and potential. Alumni often claim that lessons learnt through these activities come most in handy and last the longest.

Shaastra (www.shaastra.org) is the annual technical festival of IIT Madras. It plays host to more than 20,000 engineering students across India. The event is very popular owing to the innovative competitions, workshops, lectures and demos organized during the 5-day event. Shaastra also holds the unique distinction of being the first student-managed event in the world to earn the ISO 9001:2008 certifications for implementing a Quality Management System.



Campus & Infrastructure

Saarang (www.saarang.org)



Saarang is the annual cultural festival organized and hosted by IIT Madras. Debate, dramatics, music competitions and professional shows are the mainstay of Saarang. More than 30,000 college students across the country attend the festival each year.

CFI (cfi.iitm.ac.in)

The Centre for Innovation is the student lab funded by IIT Madras Alumni. CFI is equipped with state of the art technology and aims at fostering the creative minds of the students. Established with the motto of "Walk in with an idea, walk



out with a product", CFI has been the site of various student projects undertaken in the past, some of which have received international acclaim and awards such as International Aerial Robotics Competition (IARC), Robocon.

Tech-Soc

Tech Soc, short for Technical Society, organizes competitions at the Intra-Institute level throughout the year with the purpose of challenging the students' technical prowess and applying their learnings practically. The hands-on problems posed often inspire and motivate students think innovatively and act collectively.

Sports (www.sports.iitm.ac.in)

Sports occupy the pride of place in the hearts of students on campus, with students competing in Inter-IIT tournaments, inter-hostel events



(Schroeter; Dean's Trophy) and inter-collegiate events through the year. Lessons in teamwork and enthusiasm are often learnt on the field.

Lit Soc

Popularly referred to as Lit-Soc, The Literary Society at IITM plays host to a wide-variety of events such in music, dramatics, dance and fine arts among others, with the intention of honing the talents of the students. These events enrich the lives of the students by providing them a platform to showcase and develop their skills and abilities.

IITians bag first place in global event

DC CORRESPONDENT
CHENNAI

A team of 12 students from the biotechnology department in Indian Institute of Technology Madras have won three prizes at the Hong Kong genetically engineered machines competition.

The IIT team was also awarded a special prize for BioBrick, in recognition of its efforts to convert the gene into a ready-to-use genetic Lego-brick.

Prof Mukesh Doble, pro-

fessor of bioengineering and drug design, IIT Madras, who supported the project said borrowing a gene from a marine microbe, the IIT team gave E. coli the ability to generate energy from sunlight. Proteorhodopsin is a protein that uses light to drive protons across the bacterial membrane, charging up the cell like a battery. Using the techniques of synthetic biology, the team inserted the proteorhodopsin gene into E. coli, a bacterium that lives in the human gut and

sugar as a food source. The new "designer bacteria" was able to grow rapidly



even when sugar became scarce. Technologies like this might allow computers to directly control living cells, using light as the communication medium.

This project is one of the 18 that got selected to represent Asia at the worldwide IGEN championship. Over 50 teams from Europe, Americas, and Asia will compete at this event, which will be held at MIT Boston, in November.

Over 40 teams from across Asia participated in the Hong Kong regional

division. In addition, the team also won a gold medal and a safety commendation.

The IIT-M Biotech team includes 12 undergraduate students. Avaneesh T. Chaitra P. Kousik S. Sonia Abhishek Varun Chokshi, Srinath De. Chetan Govind Nayan Jain, Mulla Padai Vinay Lathi, Vivek Parthasarathy. A team of faculty, including head of the department Prof Mukesh Doble helped the Shrikumar Suryanarayan, an alumnus of IIT Madras.

IIT-M gets award for highest no. of patents in five years

TIMES NEWS NETWORK

Chennai: The Indian Institute of Technology-Madras has secured the award for the educational institution or university securing the highest number of patents in the last five years.

The institute has received 78 patents during the period. The award was instituted by the Confederation of Indian Industries in collaboration with the department of industrial policy and promotion and

work together with the institute faculty towards development of new products. The institute has definite policy guidelines with how it is

Five-member IIT team wins gold at MIT event

Karthika Gopalakrishnan | New

Chennai: Five students of IIT-Madras, an international competition has begun to award prizes to teams that have been able to win a gold medal in the 'Food or Energy' track of the 2014-2015 International Genetically Engineered Machines (iGEM) competition.

Pradyot, one of the team members, said the team members are already busy with their coursework. In the project, the IIT-M team used E. coli bacteria, used to produce insulin, to produce a sweetener. The team carried out the production of dairy



Pradyot with the robot

IIT's copycat robot

GAUTAM SUNDER

DECCAN CHRONICLE

What we have seen in movies such as iRobot, and Terminator, something we

balls and put them in separate baskets. When I point towards the basket, the robot mimics my action," said Pradyot. "We've done all this using a Microsoft Kinect. This pattern can be used in

say a word, only a demonstration is enough. Dr Ravindran was our guide who helped us in this project."

Pradyot said that his team's human-robot interactive exercise has opened up a world of possibilities. "Machines will treat us as



IIT-Madras flips the code by making a robot that is less robotic and more human

IN
THE
NEWS

Placement Procedure

Placements at IIT Madras are organized and conducted by the Placement Office with assistance from students. Arrangements for pre-placement talks, written/online tests, GDs and interviews (video conferencing could be made available too). The recruitment process is as follows:

- ◆ Companies or organizations or institutions interested in recruiting students from IIT Madras are requested to register their intent with the placement office before 30th September by filling and submitting the Employer Registration Form (ERF), along with a softcopy of their pre-placement interaction material.
- ◆ The companies are requested to conduct pre-placement talk from mid August to end of October and written/online tests before end of November. Slots for the same would be allotted based on mutual convenience and availability.
- ◆ The internal date allotment committee, comprising of professors, students and other staff, convenes to decide campus interview dates for all registered companies. This information is conveyed to them by the 5th of November.
- ◆ The Placement interviews start from 1st December.
- ◆ An online portal will be available to all registered companies to access resumes of the interested students.
- ◆ By the end of the scheduled day of campus interviews, the company is required to submit a list of final selected students.
- ◆ At the end of the selection process, the company is required to send offer letters to the Placement Office who will then hand it over to the concerned students. Such letters should reach The Placement Office before end of March. Students would be available to join the company from July onwards after the completion of their course formalities.



Previous Recruiters

3DPLM Software Solutions Ltd

3S Capital

A

A*STAR, Data Storage Institute - Scientis-Large

AAS Technologies Pvt Ltd

ABB Limited

Absolute Data Research and Analytics

Adobe Systems India Pvt Ltd

Airbus Engineering India Ltd

Allseas India Engineering Services

Altair Engineering India Pvt Ltd

Amada Soft India Pvt Ltd

Amagi Media Labs

Amazon Development Centre

American Express India Pvt Ltd

American Mega Trends

AMET University

Amrita University

Analog Devices

Ansys Fluent

Aptina India Pvt Ltd

Aquatech Systems (Asia) Pvt Ltd

ARGA Investment Management

Arista Networks

ARM Embedded Technologies Pvt Ltd

Ashok Leyland Ltd

Atkins Global

Atoms Online Services Pvt Ltd

B

B-ABLE

Bank Bazaar

Bank of America

Bank of India

BeeHyv Software Solutions

BGR Energy Systems Ltd

Bharathi Shipyard

Biocon

Blue Star India

BOCI

Bosch Limited

Breakthrough Management Group

Broadcom Communications

Brocade

C

CA Technologies

Cadence Design System

CAE Simulation Technologies Pvt Ltd

Capital One Services

Capitallq

Carborundum Universal

Caterpillar India Pvt Ltd

CD-adapco India Pvt Ltd

Cengrs Geotechnica Pvt Ltd

Centre for Development of Telematics - (C-DOT)

Chronus Software India Pvt Ltd

Chrysler India Automotive Private Limited

Cisco Systems India Pvt Ltd

Citibank NA

Citicorp Services India

Citrix R&D India

Cognizant Technology Solutions

Commvault Systems India Pvt Ltd

CoreEL Technologies (I) Pvt Ltd

Coromandal International Limited

Cosmic Circuits

COSMOL Multiphysics Pvt Ltd

Credit Suisse

Cummins India

Cypress Semiconductors

D

Deep Value Technologies

Defence Research & Development Organisation

Dell International Services Pvt Ltd

Deli R & D

Deloitte

Deutsche Bank Group

DevFactory

Dhruv EPC Solutions Pvt Ltd

Directi

Dsquare Solutions

Dunia Finance LLC

E

Easy Commerce

Eaton Technologies

EcoLogic Technologies (P) Ltd

Educational Initiatives

Efficient Frontier Technology India Pvt Ltd

Previous Recruiters

eGain Communications
EGIS India Consulting Engineers Pvt Ltd
Elgi Equipments Ltd
embedUR Systems (I) Pvt Ltd
Embrace Technologies
Energo Engineering Project Ltd
Engineers India Ltd
EPIC
Ericsson India Global Services
Essar Group
Evalueserve
Exeter Group Inc
EXL Service

F
Fabtech Projects & Engineers Ltd
Facebook
Finisar Malaysia Sdn Bhd
Flextrade Systems Inc
Flipkart Online Services
Flow Traders Asia Pvt Ltd
Flytxt Mobile Solutions
Fluidyn India
FMC Technologies India Pvt Ltd
Freescale Semiconductor India Pvt Ltd

G
Galaxy Surfactants
GE - John F Welch Technology Centre
GE Health Care
General Motors Technical Centre
Geodesic Limited
Geometric Limited
Global Analytics India
Global Scholar
GlufTrade.com
Goldman Sachs
Google India Pvt Ltd

H
HCL Technologies
Hero Motocorp Ltd
Hewlett Packard
Hindustan Aeronautics Limited
Hiranandani Group of Companies
Honda R & D Co Ltd
HPCL
Hyundai Motor India

I
IBM India Pvt Ltd
ICRA Management Consulting Services
iNautix India Pvt Ltd
Indian Navy
Indian Oil Corporation Ltd
Indian Register for Shipping
Indian Space Research Organisation
Indix Internet India Pvt Ltd
Infoaxe, Inc USA
Infosys Ltd
Infotech Enterprises
InMobi
Intel India
Intel Mobile Communications India Pvt Ltd
ITC Ltd
Intergraph Consulting Pvt Ltd
iRunway India Pvt Ltd
ISB (CAF) Centre for Analytical Finance
Itaas India Pvt. Ltd
Ittiam Systems Pvt Ltd
IVY Comptech Pvt. Ltd

J
Jindal Steel and Power Ltd
JMN Investments Research (P) Ltd
Jones Lang LaSalle
Juniper Networks India Pvt Ltd
K
K L University
Kalinga Institute of Industrial Technology
Kalki Communication Technologies
Khitchdee
KLA Tencor Software India Pvt Ltd
KPMG Management Consulting
KRDS Software Development Pvt Ltd
Krishnatheja Educational Institutions

L
L & T Construction
Lanxess India Pvt Ltd
Larsen & Toubro
Latent View Analytics
Lera Technology Pvt Ltd
Leslie E. Robertson Associates Consulting Ltd
Limberlink Technologies
Lotus Environments
LoudCloud Systems

Previous Recruiters

Lovely Professional University

LSI Logic

Lucid Software Ltd

M

M.N.Dastur & Co (P) Ltd

Maas360 (by Fiberlink)

Mahindra & Mahindra

Mahindra 2 - Wheelers Ltd

Marvell Asia Pte Ltd

Marvell India

Mazagon Dock Ltd

Mckinsey & Company, Inc

Mecon Limited

MediaTek - HR Powers

Mewar University

Microsoft India

Mishra Dhatu Nigam Ltd

Mobilemotion Technologies Pvt Ltd

Modine Thermal Systems

Morgan Stanley

Mphasis India Ltd

Mu Sigma Business Solutions

Myntra Designs Pvt Ltd

N

Nalco Technology Centre -

National Commodity & Derivatives Exchange

National Instruments - R&D

Navya Biologics Pvt Ltd

NetApp

NIIT University

Nomura Services

Novartez International

NTPC Limited

NTT Communications Corporation

NVIDIA

O

Oceaneering International Services Ltd

Oil & Natural Gas Corporation Ltd (ONGC)

Open-Silicon Inc

Oracle - Applications Dev Group

Oracle - Server Tech Group

Oracle - Systems

P

PayPal India (a subsidiary of eBay Inc)

Philips Electronics India Ltd

Pipavav Defence and Offshore Engg Co.

Pocket Gems

Polaris Software

Polycom Technology (R&D) Centre

Power Research & Development Consultants

PowerGrid Corporation of India

Pramati Technologies

Pratap University Jaipur

Pricewaterhouse Coopers

Prokarma Softech India Pvt Ltd

Pyrogreen Energy Pvt Ltd

Q

Qualcomm India Ovt Ltd

Quest Global

R

Rajiv Gandhi University - RGUKT

ReaMetrix India Pvt Ltd

Redpine Signals

Reflexis Systems India Pvt Ltd

Reliance Industries Ltd

Renault Nissan Technology

Renen Power Technologies Pvt LTD

Reubro International

Robert Bosch Engineering

Rockwell Automation

Roof For Two

S

S N Bhohe & Associates Pvt Ltd

Sabre Travel Technologies

Safran Engineering Services India

Saipem India Projects Ltd

Samsung Heavy Industries India Pvt Ltd

Samsung India Software Operations

Sandisk India Device Design Centre

Sankhyaa Learning Pvt Ltd

Saroj Educational Group

Schlumberger Asia Services Ltd

Schneider Electric

Scope International India

Securities Performance Algorithms

Senao Networks - HR Powers

Sharada University

Previous Recruiters

Sharif Metals International Sharjah U.A.E
 Shell Technology Centre Bangalore
 Shiv Nadar University
 Shimizu Corporation
 SIMO Education India Pvt Ltd
 SK Bikes (P) Ltd
 SKF India Ltd
 Snam Alloys Pvt Ltd
 Snapdeal.com
 SocialSoft
 Soma Enterprise Limited
 Sony Corporation
 Sourcebits Technologies
 SourceHOV
 South India Surgicals Ltd (SISCO)
 Sri City (P) Ltd
 ST - Ericsson India Pvt Ltd
 Strand Life Sciences
 Strata Geosystems (India) Pvt Ltd
 Strata Retail and Technology Service Pvt Ltd
 Subros Ltd
 Sumitomo Chemical Co. Ltd.
 SunTec Business Solutions
 Suryagen Renewable Energy Pvt Ltd
 Symantec Software India Pvt Ltd
 System Insights

T

Taiwan Semiconductor Manufacturing Co
 Target Corporation
 Tata Consultancy Services
 Tata Consulting Engineers
 Tata Motors
 Tata Power
 Tata Steel
 Tavant Technologies India Pvt Ltd
 Teach for India
 Technip India Ltd
 Texas Instruments India Pvt Ltd
 The Boston Consulting Group
 The Murugappa Group
 Thejus Engineering College
 Time Tooth Technologies Pvt Ltd
 Timken India Manufacturing

Toshniwal Systems and Instruments Pvt Ltd
 Tower Research Capital India
 Transocean Inc
 Trianz
 Tribi Systems
 TVS Motor Company Ltd

U

UBS Verity Knowledge Solutions
 UEM Group
 Unisys Global Services India
 United Breweries Ltd
 UoP - Honeywell India Pvt Ltd

V

VEM Technologies
 Verizon Data Services India Pvt Ltd
 Vignan University
 VizExperts
 VJ Coresoft
 Vmware
 Volvo Aero India

W

Waterjet Germany Pvt Ltd
 Webfluenz Intelsys Pvt Ltd
 Welspun Group
 Whirlpool of India
 WhizRx Inc
 Wipro Technologies
 Wockhardt Ltd
 Works Applications Co. Ltd
 WorldQuant India
 WSP Consultants India Ltd

X

Xilinx India Technology Services

Y

Y Media Labs
 Y2CF Digital Media Pvt Ltd
 Yahoo! Software Development Pvt Ltd

Z

Zebec Marine Consultants & Services
 Zeus Numerix Pvt Ltd
 ZS Associates India Pvt Ltd
 Zynga Game Network India Pvt Ltd

Recruiters Speak

With so many good students to select, I felt like a child in a candy shop.

- Dr. Tarsem S, MD, Caterpillar India Ltd.

We simply find a wonderful talent pool out here at IIT Madras and exactly the kind of talent that HUL wants.

- Mr. Anji dutt, Hindustan Unilever.

IIT Madras showcases innovation, that's what we are looking for and that is why we recruit here at IIT Madras, to see innovation.

- Ms. Chitra Sood, Microsoft.

We greatly value our relation with IITM because it enhances the brand equity of our recruitment process phenomenally.

- Mr. Subramaniam, TCS



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