

# ANNA UNIVERSITY MIT CAMPUS



**DEPARTMENT OF RUBBER AND PLASTICS TECHNOLOGY  
(DST-FIST, DST-PURSE SPONSORED DEPARTMENT)**

**BROCHURE (2022-2023)**

<https://mitindia.edu/en/rpt-home>

## ANNA UNIVERSITY

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Anna University was established on September 4th, 1978, to provide higher education in Engineering, Technology, Architecture, and Applied Sciences that are relevant to the society's current and projected needs. It fosters collaboration between the academic and industrial communities in addition to promoting research and disseminating knowledge gained from it. The University Grants Commission recognized Anna University as a "University with Potential for Excellence" for its expertise in Research & Development activities. In the National Institutional Ranking Framework (NIRF) 2022 by MHRD, Anna University ranks 22nd (overall), 20th position in University category respectively.

## MADRAS INSTITUTE OF TECHNOLOGY CAMPUS

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Madras Institute of Technology was established in 1949, by Shri.C. Rajam to offer post graduate Diploma programmes in unconventional engineering courses such as Aeronautical, Automobile, Electronics and Instrumentation Engineering. Adding on to this, MIT introduced Production Technology and Rubber Technology in the years 1977 and 1988 respectively. MIT has played a very significant role in Aeronautical and Automobile sectors on all grounds by launching our own satellite to Space (ANUSAT) and being the constant performer in SAE - Supra and Baja with a number of shields to our credit (also an ally to SAE ISS).



## DEPARTMENT OF RUBBER AND PLASTICS TECHNOLOGY

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The department was established in 1988 as "Rubber Technology," as a division of Production Technology and attained department status in 2000. The Rubber and Plastics Technology department offers a four-year B.Tech programme in Rubber and Plastics Technology, a two-year M.Tech programme in Rubber Technology, and a Ph.D programme in Rubber and Plastics Technology. The RPT department provides in-depth knowledge of both rubber and plastics, making the course unique from the rest. Our graduates will be able to synthesize polymers, Formulate, design, process and test plastics, rubber and polymer products which provides them a competitive edge in the areas of Plastics, Rubbers and Composites Technology.



## PROGRAMS

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### B. Tech., Rubber and Plastics Technology

Department provides a conducive environment for frontier Education & Research in Polymer Technology to meet the growing needs of the industry and society.

Course Component	%	Course Component	%
Basic science courses	18	Elective courses	11
Engineering Sciences	18	Open Electives	3
Humanities and Social Science	8	Interpersonal and Communication Skills	8
Core courses (Rubber and Plastics)	34		

### M. Tech., Rubber Technology

An interdisciplinary program predominantly with UG mechanical engineering graduates. The courses offered include Polymer Science, Rubber Product Design, Advanced Characterization Techniques, Finite Element Analysis, Thermoplastic Elastomer, Tyre Technology, Composites, etc.

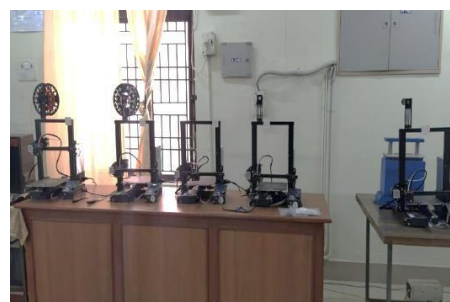
## FACILITIES

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Our curriculum imparts high technical knowledge and practical skills to become a demand-based solution provider in the field of Rubber and Plastics Technology. With the help of nearly ₹ 1 Crore worth of equipment for compound characterisation, we are provided with adequate laboratories. The laboratories available are,

- POLYMER SCIENCE LAB
- PLASTICS PROCESSING LAB
- RUBBER PROCESSING LAB
- COMPUTER-AIDED DESIGN LAB
- MOULD AND DIE DESIGN LAB
- RUBBER AND PLASTICS TESTING LAB
- COMPOSITES LAB
- SPECIALIZED LAB TRAINING IN CENTER OF EXCELLENCE

with highly equipped machineries like RPA, UTM, Mooney viscometer, MDR, Digital MFI tester, Kneader, compression molding machine, Two roll mill, extruder, Horizontal and Vertical Injection Molding machine, DIN abrasion tester, moisture analyze, etc.



## STUDENT ACTIVITIES AND ACHIEVEMENTS

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- Every year, we organize "ELASTOPLAZ," a national level symposium that includes a variety of technical and non-technical events over the course of two days.
- Students also participate in industrial trainings and internships in order to gain industry experience.
- During their study period, our students also work on various projects within the institute under the supervision of experienced Professors, as well as with industries, providing hands-on experience with real-life problems.
- Our students have participated in the MITACS Globlink Research Internship in Canada and the Immersion Program at James Cook University in Singapore.

## OUR ALUMNI

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### In Industries:

Solvay (Brussels)  
Henkel (Germany)  
Shell (The Netherlands)  
Yokohama OHT  
CEAT Tyres  
Apollo Tyres  
MRF Tyres  
Michelin  
Goodyear Tyres  
JK Tyres  
L&T India Ltd.  
Saint-Gobain India Pvt Ltd.  
SRF Ltd  
Mahindra & Mahindra Ltd  
Devi Polymers Pvt Ltd.  
LUCAS-TVS Limited  
TVS Tyres  
Exxon Mobil  
Ucal Polymers

DuPont, Mumbai  
TVS Group  
Reliance Industries Ltd.  
NOCIL Chemicals Ltd.  
Bollhoff Fastenings Ltd.  
FENNER India  
Harita TVS  
Ray chem  
Welspun India  
Jayashree Polymers  
Devashish Polymers  
TPI Composites  
Hyundai Motor  
3M  
SABIC  
HCL Technologies  
Motherson  
Hydro S&S Ltd  
DuPont Chemicals



### In Reputed Universities:

University of Florida  
KTH Royal Institute of Technology  
University of Waterloo  
Technische University  
University of Alberta  
Ecole Polytechnique  
Loughborough University  
University of Massachusetts Lowell  
Maastricht University  
Nanyang Technological University  
Shibaura Institute of Technology  
University of Arizona  
IISc  
IITs  
IISERs



## CONTACT US

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