**About MIT Aurangabad:**

MIT, Aurangabad a pioneer "NAAC A" graded institute in Marathwada region is imparting undergraduate and postgraduate degree in faculty of Engineering & Technology. The institute is affiliated to Dr. Babasaheb Ambedkar Marathwada University (BAMU), Aurangabad and is approved by AICTE, Delhi and DTE Maharashtra. Institute is also recognised by UGC, New Delhi 2f and 12B status as well as by Department of Science and Industrial Research (DSIR), Ministry of Science and Technology, Government of India as a **Science and Industrial Research Organization (SIRO).**MIT has been empanelled under **Unnat Maharashtra Abhiyan,** a project by Ministry of Higher and Technical Education, Government of Maharashtra and also associated with **Unnat Bharat Abhiyan**, a flagship programme of Ministry of Human Resource Development (HRD), Government of India. MIT has rich infrastructure in terms of laboratory equipment ,workshop machines and tools, Modern Computer Center and digital Library with large number of titles and volumes in each discipline. MIT has experienced and highly qualified faculty members with more than 65 faculty members having doctorate qualification from reputed universities from India and abroad.MIT has developed strong linkages between industry, government & non-government organizations. MIT is a pioneer in establishing mutually beneficial triangular partnership among academic institutions, industry and government organizations. MIT has been associated with hundreds of companies' for imparting students training and placement.

**About Plastic & Polymer Engineering Department:**

The Department of Plastic and Polymer Engineering is one of the prestigious departments in the institution commenced in 2001 and currently having one Undergraduate Programme in Plastic & Polymer Engineering. The course is interdisciplinary in nature which enables our students suitable for different industrial domains like automotive, molded products, commodity products, paints, adhesives, textiles, etc. The well-structured course provides strong fundamentals as well as updated knowledge in diversified fields of application of polymers. The department has dedicated faculty members including 4 doctorates and well-developed laboratories with modern sophisticated instruments.

To create industry friendly atmosphere in academia, in 2017, we have established one **micro enterprise as M-CIP (MIT-Centre for Industrial Relevance in Polymer Science and Technology)** and besides to promote research activities, we have recently established another new **research centre MIT-CAMRT(MIT-Centre for Advanced Materials Research and Technology)**by aiming the implication of wider and innovative research ideas which may have to change the life of common people in a positive manner on local issues by developing alternative solutions, creating innovative multipurpose products at cheaper cost. Our students are also given exposure to the infrastructure of the centre to apply their technical knowledge through earn and learn scheme. Our faculty members and students are actively involved in research and innovation in the field of material science and technology. To date more than 75 research publications in reputed international journals with highest impact factor of 10.652, 2 books, 16 book chapters with reputed international publishers and 7 patents are under the credit of the faculties of our department. Recently under our research centre, we have received one **DST Nanomission, DST, New Delhi** funded major research project with the sanctioned **grant of Rs.73.98 lakhs** for the development of new generation eco-friendly nano-adsorbent for wastewater remediation.

We have national and international collaboration with reputed institutions and industries like ICT, Jalna, CSIR-National Environmental Engineering Research Institute (NEERI), Nagpur, Tomsk University, Russia, Amil, and Shimadzu to enrich our academic as well as research activities globally. Our faculty members are working independently or in collaboration in different emerging areas. Our students are provided opportunities to be the part of such projects and explore innovative ideas in different areas of both academic research and industrial applications.The students of the department enjoy the opportunities to avail hand-on experience in cutting-edge sophisticated research instruments as well as large scale manufacturing machineries for enhancement of technical skill.

# Facilities at M-CIP MIT-Centre for Industrial Relevance in Polymer Science and Technology


Shop Floor at M-CIP


Shop Floor at M-CIP


Training of Students at M-CIP


Training of Students at M-CIP


Roto-moulding machine


Stretch Blow Moulding Machine


CNC Machine

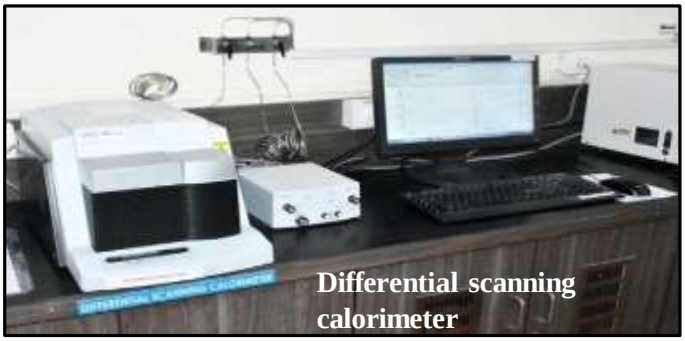

Fortus 450- 3D printer


Dentist Printer


Fortus F120- 3D Printer

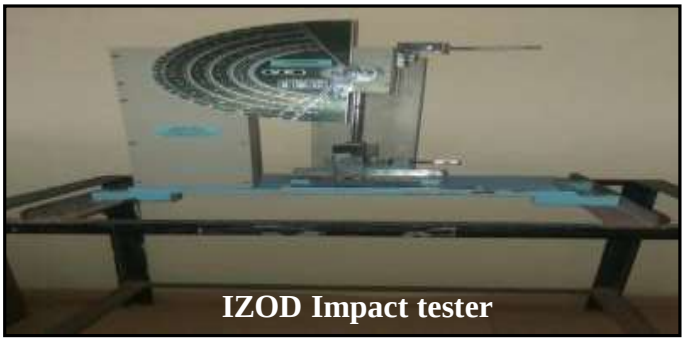
**Facilities at the research Centre "MIT-Centre for Advanced Materials Research and Technology"**











## Training Programs and awards

**6 Day FDP on "Advanced analytical testing and characterization"**
**(2nd July - 7th July 2018)**

**4 day workshop on "Analytical Testing & Characterization "**
**(31st August – 3rd September 2015)**

**6 day training programme for students "Fourier Transform Spectrophotometer"**
**(1st - 6th February 2016)**

**6 day training programme for students "Fourier Transform Spectrophotometer"**
**(21st - 26th February 2017)**

**Devidasrao Ashtaputre Memorial Prize 2016-17 (Satish Chopade)**

**Devidasrao Ashtaputre Memorial Prize 2016-17**

**Devidasrao Ashtaputre Memorial Prize 2017-18 (Prathamesh Trivedi)**

**Devidasrao Ashtaputre Memorial Prize 2018-19 (Vikram Mane)**

## Outline of Academic Journey of Students and carrier prospects

❖**Admission (First Year)**

➢**Induction**

❖**Admission (Direct second year/ lateral entry)**

➢ **Induction**

❖ **Courses**

✓Theory
✓Practical
✓Elective
✓Open elective
✓Audit
✓Online courses (NPTEL/ Swayam) [Optional]

❖ **Courses and modes of teaching-learning**

➢**Theory**

✓Classroom (Chalk-board/ presentation/ videos etc.)
✓Online teaching module (Moodle) [Optional]
✓Guest lecturers [Optional]
✓Industrial visit [Optional]
✓Workshop/ short term training [Optional]

➢**Tutorial**

➢**Practical**

✓Hands-on experiments
✓Virtual lab [Optional]

➢**Project work**

✓Minor project
✓Project
✓Industry-sponsored project (GIZ/ MASSIA etc.) [Optional]

➢**In-Plant training (Final year-Second semester)**

❖**Performance evaluation**

➢**Theory**

✓Class tests
✓Assignment
✓Seminar presentation
✓Spot and surprise test
✓End semester examination

➢**Practical and Term-work**

✓Attendance
✓Lab report submission
✓Viva (Internal and external)

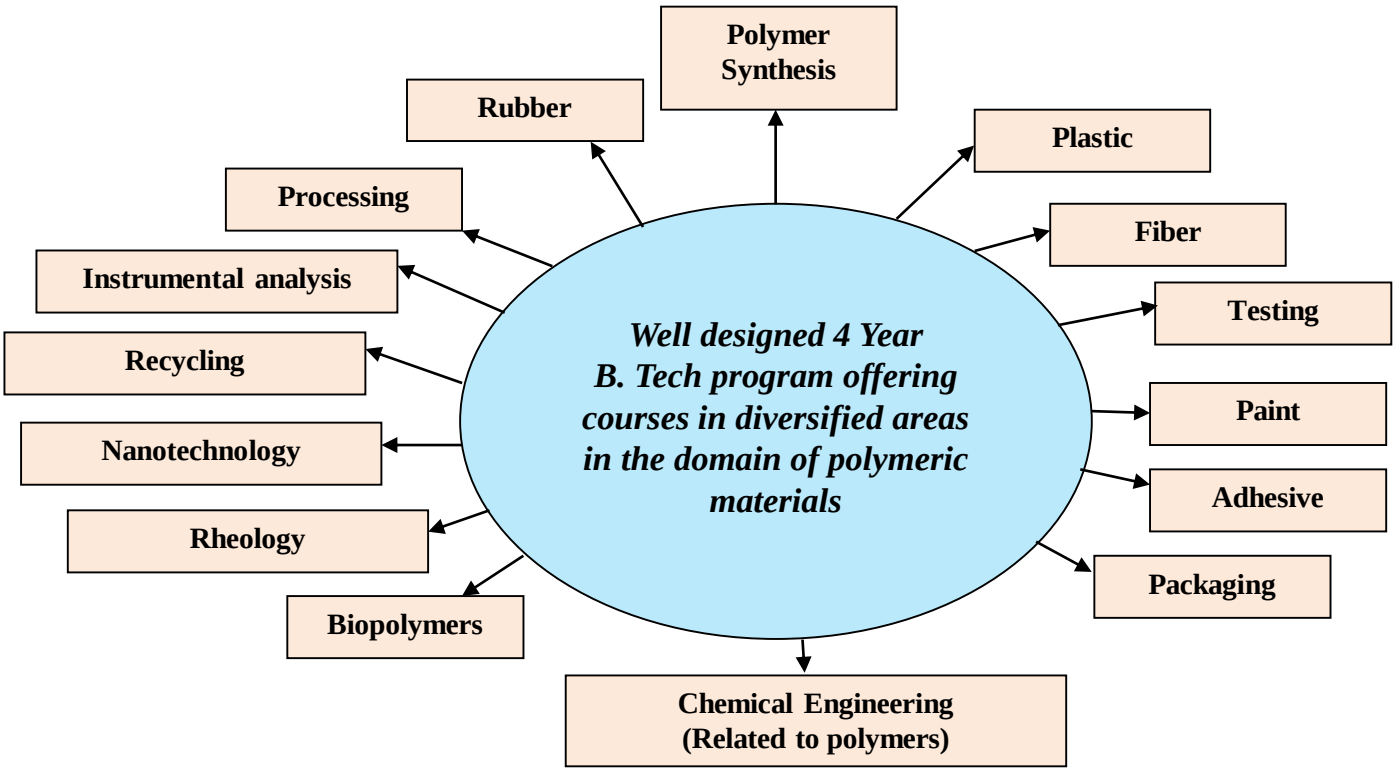
➢**Project and In-plant training**

✓Review/ seminar (Internal and external examiner)
✓Report submission

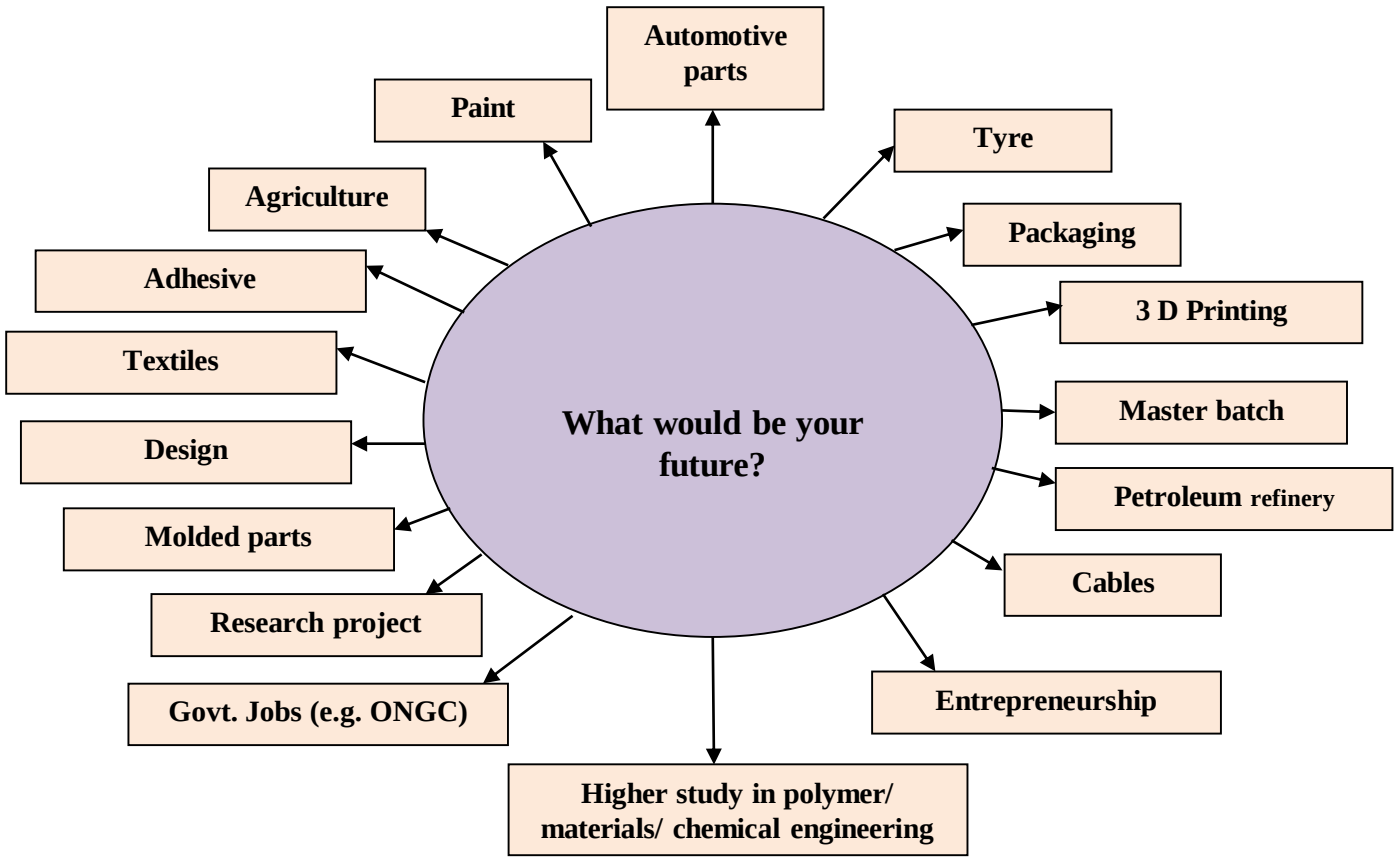
➢**Co-curricular activities**

✓Participation in conferences
✓Participation in presentation and exhibition contests (Avishkar, Techno-MIT etc.)
✓Participation in quiz contests
✓Volunteer to organize conferences/ workshops
✓E-magazine (Contribute and organize)

# CURRICULUM OVERVIEW




# FUTURE PROSPECTS




**For more details of the institute and department, you can visit following links:**

https://btech.mit.asia/plastic-polymer-engineering , http://m-camrt.mit.asia/ , http://m-cip.mit.asia

*Principal's address for our institute:* https://www.youtube.com/watch?v=pz8zib6dbZw

*HOD's address* https://www.youtube.com/watch?v=Mp3r8MOTTak

*MCIP:* https://www.youtube.com/watch?v=MlaEzyL7fQ4

*Women empowerment under MCIP Earn and learn scheme:* https://www.youtube.com/watch?v=fUXWR46dNZI

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**Stay Safe!**

**Stay Healthy!**

**Keep Learning!**