



ADARSH MANAGEMENT INSTITUTE OF INDIA

M.Tech in Plastic Engineering

Course Name: M.Tech Plastic Engineering

Duration: 2 Years

Eligibility: B.E./B.Tech./B.Sc., Engg. (4 years) in Mechanical / Chemical / Production / Polymer / Plastics Engineering / Technology (or) M.Sc. in Polymer Science / Chemistry with polymer specialization.

First Semester	Second Semester
1. Mathematics for Plastic Technology 2. Plastics Materials 3. Additives and Compounding 4. Elective - I 5. Elective - II 6. Plastic Processing Project – I 7. Plastic Product / Tool Design Project	8. Plastics Testing Technology 9. Plastics Composite Technology 10. Mould Manufacturing Technology 11. Elective – III 12. Elective - IV 13. Plastics Processing Project – II
Third Semester	Fourth Semester
1. Elective – V 2. Elective – VI 3. Elective – VII 4. Project (Phase – I)	5. Project (Phase II)
Electives - I	Electives - II
1. Plastics Processing Technology 2. Plastics Packaging Technology 3. Coatings Science and Technology	4. Plastics Characterization Techniques 5. Physics and Rheology of Polymers 6. Advanced Plastics Processing Technology
Electives - III	Electives - IV
1. Plastics Characterization Techniques 2. Physics and Rheology of Polymers 3. Advanced Plastics Processing Technology	4. Polymeric Nanocomposites 5. Thermoplastic Elastomers 6. Secondary Processing Techniques
Electives - V	Electives - VI
1. Bio-Degradable Plastics 2. Plastics Waste Management 3. Research Methodology	4. Polymer Blends and Alloys 5. Bio-Medical Plastics 6. Intellectual Property Rights
Electives - VII	
1. Total Quality Management 2. Industrial Economics and Costing 3. Principles of Management	